# Connecting the World to Stroke Science



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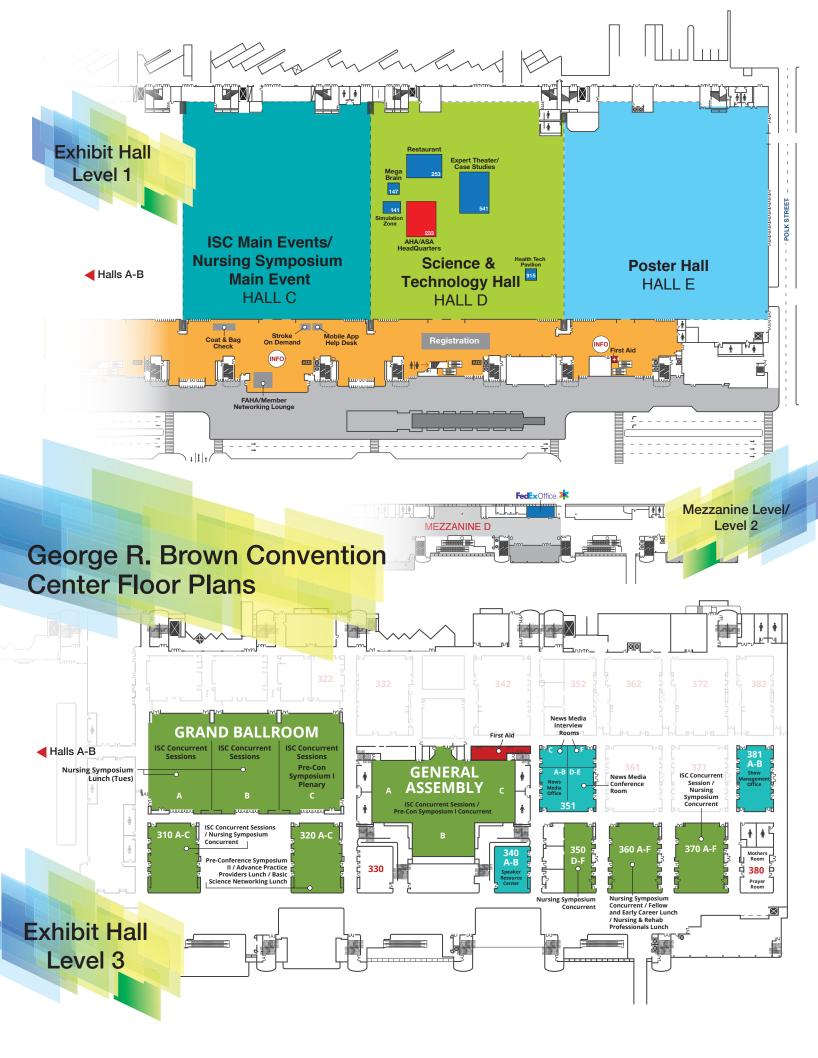
Stroke Nursing Symposium: February 21 ISC Pre-Conference Symposia: February 21 International Stroke Conference: February 22-24 Houston, Texas strokeconference.org



**Final** Program

**Education. Inspiration. Illumination.** 

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#### State-of-the-Science Stroke Nursing Symposium

Pre-Conference Symposium II: Bridge Over Troubled Water: Issues in Translational Stroke Research

HALL

SCIENCE AND TECHNOLOGICASE STUDIES THEATER

CE AND TECHNOLOGY Studies Theater

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#### **International Stroke Conference 2017**

Advance Practice Providers' Luncheon

Roundtable Luncheon

Career/Stroke Leader

Early

**TECHNOLOGY** 

AND

SCIENCE and

#### Debate

8:00 AM

Neuroimaging for Acute

#### Symposia

Detection and Management of Delayed Cerebral Ischemia: Navigating Through the Fog

Redefining the Continuum of Stroke Care for Working Age Adults

#### **Oral Abstracts**

Cerebral Large Artery Disease Oral Abstracts I Clinical Rehabilitation and Recovery Oral Abstracts I Emergency Care/Systems Oral Abstracts I

Nursing Oral Abstracts

#### VCI Mini-Symposium **Emotional Disturbances**

#### after Stroke Symposia

The Implications of SPRINT and the New Hypertension Guidelines on Clinical Practice and Future Research Sickle Cell Disease and Stroke across

#### the Lifespan Junior Investigator Session

Oral Abstracts Acute Endovascular Treatment Oral Abstracts Acute Neuroimaging Oral Abstracts I

Basic and Preclinical Neuroscience of Stroke Recovery Oral Abstracts I

#### MAIN EVENT I

AHA's CEO Welcome **AHA Presidential** 

**TECHNOLOGY** 

**BREAK / SCIENCE AND** 

SHORT BREAK / SCIENCE AND TECHNOLOGY HAL

Address ISC Program Chair Welcome

David G Sherman Lecture

Late-Breaking Science Oral **Abstracts** 

MAIN EVENT II

Thomas Willis

Lecture

Late-Breaking

Science

Oral Abstracts

#### **VCI Mini-Symposium**

Post-stroke Cognitive Impairment: New Clinical and Experimental Therapeutic Insight

#### **Symposia** What Explains Poor

Outcomes in Acute Stroke Despite Good Reperfusion? New Models of Stroke

Rehabilitation: Lessons from Recent Global

#### **Oral Abstracts** In-hospital Treatment

Oral Abstracts Preventive Strategies Oral Abstracts

Community/Risk Factors Oral Abstracts I

Experimental Mechanisms and Models Oral

#### Symposia Beyond the Brain

Systemic Effects of Stroke Burden of Stroke in the Americas

Genetic Discoveries Are Finally Yielding Novel Treatments for Stroke: The Dawn of the Genomic Era for Stroke

Multimodality Treatment for Arteriovenous Malformations

# VCI Mini-Symposium Vascular Cognitive Impairment Oral Abstracts

**Oral Abstracts** Diagnosis of Stroke Etiology Oral Abstracts I

Health Services, Quality Improvement, and Patient Centered Outcomes Oral Abstracts I

POSTER TOUR

REGULAR POSTER

#### **International Stroke Conference 2017**

#### Symposia

Molecular Neuroimaging for Translational Stroke

Increasing Access to Mechanical Thrombectomy for Acute Stroke

#### Debate Debates in ICH

Oral Abstracts Clinical Rehabilitation and

THURS • FEB

Recovery Oral Abstracts II Diagnosis of Stroke Etiology Oral Abstracts II Emergency Care/Systems Oral Abstracts II

Vascular Malformations Oral Abstracts

#### **CED Talks** brovascular Education and Discovery)

Decision Making for Reperfusion Therapies in Acute Stroke

Pre-hospital Systems of Care to Improve tPA Treatment Rates and Speed: Telemedicine and Mobile Stroke Units

Implementation of Acute Stroke Therapies Worldwide: Status Possibilities and Obstacles

Oral Abstracts II

Intracerebral Hemorrhage

# **Symposia**

# Oral Abstracts

Treatment Oral Abstracts II Community/Risk Factors

Experimental Mechanisms and Models Oral Abstracts I Oral Abstracts I

# AND TECHNOLOGY

SHORT BREAK / SCIENCE

# Acute Endovascular

**TECHNOLOGY** 

SCIENCE AND

#### Game of Strokes -Ouiz Session

Rehab Professionals Luncheon

**Jursing and** 

AND TECHNOLOGY HALL

SCIENCE

LUNCH

**Basic Science Networking Luncheon** 

Symposia Advanced Neuroimaging Methods for Stroke Recovery

Continuum of Stroke Care: Forging the Chain of Stroke Treatment, Recovery, and Secondary Prevention

Antithrombotic Therapy Specific to Races/Regions (in the NOAC Era)

#### Late-Breaking Science Oral **Abstracts**

**Oral Abstracts** Basic and Preclinical Neuroscience of Stroke

Recovery Oral Abstracts II Health Services, Quality Improvement, and Patient Centered Outcomes Oral

#### Symposia Stroke Risk and

Outcomes in People of African Ancestry

**Emerging Novel** Functions for Proteases in Vascular-neurobiology

Potential Role of Magnetic Resonance Vessel Wall Imaging for Intracranial Vasculopathy

Prevention and Management of Stroke in the Oldest Old

Interventions to Enhance Global and Regional Stroke Outcomes Stroke Guidelines Session

> **Oral Abstracts** Pediatric Stroke Oral Abstracts

PROFESSOR-LED **POSTER TOUR** (60 MINS)

#### **International Stroke Conference 2017**

#### Symposia

Clinical and Basic Perspectives on the Role of Physical and Cognitive Activity and Neural Progenitors in Stroke Recovery (the ASA-Bugher Collaborative Studies)

Inflammation and Intracranial Aneurysms Vertebro-basilar Artery Occlusive Disease Anticoagulation Tests

Reversal Strategies and Antidotes in Patients Treated with Vitamin K Antagonists and Direct Oral Inhibitors

#### **Oral Abstracts** Acute Neuroimaging Oral

Abstracts II Acute Nonendovascular Treatment Oral Abstracts

SAH and Other Neurocritical Management Oral Abstracts

#### Symposia

Neuroprotection in the Reperfusion Era

Large Multicenter Hospital based Stroke Registry Study: What We Can Learn

Engineering for Stroke Science

#### **Oral Abstracts** Aneurysm Oral Abstracts Cerebral Large Artery

Disease Oral Abstracts II Intracerebral Hemorrhage Oral Abstracts II Vascular Biology in Health and Disease

Oral Abstracts

MAIN EVENT III **Crossfire Debates** William M Feinberg Lecture **Late-Breaking Science Oral Abstracts ISC Program Chair's Closing** Remarks



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INTERNATIONAL STROKE

strokeconference.org

Acute Endovascular Treatment	Acute Neuroimagi		nendovascular eatment	Aneu	ırysm	Neuros	and Preclinical cience of Stroke Recovery	Cer	ebral Large Artery Disease	Clinical Rehabilitation and Recovery
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Community/Risk Factors	Diagnosis of Stro Etiology	ke Emergenc	/ Care/Systems		Mechanisms lodels	Improven	Services, Quality nent, and Patient- red Outcomes	In-h	ospital Treatment	Intracerebral Hemorrhage
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Stroke Risk and Outcomes in People of African Ancestry Thurs, 3:30 pm - 5:00 pm General Assembly A						based Stro What Fri, 8:45	alticenter Hospital- bke Registry Study: We Can Learn 5 am - 10:15 am and Ballroom C			
Nursing	Pediatric Stroke	Preventive Strate	gies Neu	and Other procritical progement	Vascular B Health and	iology in Disease	Vascular Cogn Impairmen		Vascular Malformations	Non-category Specific Sessions
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		Prevention and Management of Stro the Oldest Old Thurs, 3:30 pm - 5:0 Grand Ballroom	ke in 10 pm							Stroke Guidelines Session Thurs, 3:30 pm - 5:00 pm Grand Ballroom C

The American Heart Association/American Stroke Association is grateful to the members of the International Stroke Conference 2017 Program Committee for their dedication and leadership provided throughout the year in planning the program.

#### **Program Committee**

Bruce Ovbiagele, MD, MSc, FAHA, Chair

Miguel A Perez-Pinzon, PhD, FAHA, Vice Chair

Catherine M Amlie-Lefond, MD

Craig Anderson, MD, PhD

Kyra J Becker, MD, FAHA, Past Chair

Jun Chen, MD, PhD

Colin Derdeyn, MD, FAHA, Stroke Council Chair

Andrew Ducruet, MD

Nina Gentile, MD

Richard Harvey, MD

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Elaine T Miller, PhD, RN, CRRN, FAHA, FAAN

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Gustavo Saposnik, MD, MSc, FAHA, FRCPC

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Magdy Selim, MD, PhD, FAHA

Amytis Towfighi, MD

Kazunori Toyoda, MD, PhD, FAHA, FESO

Georgios Tsivgoulis, MD

Roland Veltkamp, MD

Max Wintermark, MD, MAS, MBA

Midori Yenari, MD, FAHA

For a complete list of ISC abstract graders, please go to strokeconference.org/programming.

#### Dear Colleague:

This is a very exciting time in the field of cerebrovascular disease. The rate of discovery of new diagnostic and therapeutics for stroke has never been greater. Our program emphasizes basic, clinical and translational sciences as they evolve toward a better understanding of stroke pathophysiology with the goal of developing more effective therapies. Stroke systems of care, quality and outcomes are also key parts of the conference.

The International Stroke Conference 2017 provides unique opportunities to meet and network with colleagues from around the world with wide-ranging research interests and expertise in stroke prevention, diagnosis, treatment and rehabilitation. For 2017, we anticipate more than 4,500 professional attendees, as well as exhibitors displaying new stroke products and services. We are truly dedicated to the international nature of this conference with attendees, presenters and faculty coming from all corners of the world.

The 2017 program offers three specialized pre-conference symposia: the State-of-the-Science Stroke Nursing Symposium; the ISC Pre-Conference Symposium I: Stroke in the Real World: Thinking from the Heart — Management of Cardiac Disease to Improve Stroke Outcomes which will focus on the management of cardiac disease in order to improve stroke outcomes; and the ISC Pre-Conference Symposium II: Bridge Over Troubled Water: Issues in Translational Stroke Research. The main days of the ISC include invited symposia; debates; oral scientific abstract presentations; scientific abstract posters; and special lectures on recent advances and state-of-the-science technologies.

The Council on Cardiovascular and Stroke Nursing has planned another extraordinary pre-conference symposium. The symposium 2017 program will include topics in: facilitating admission, progression, and discharge for stroke; evidence-based strategies for preventing stroke and stroke complications; collaborations to improve quality of life across the care continuum; and strategies for assessing and managing cognitive, emotional and sleep issues related to stroke.

The ISC 2017 Pre-Conference Symposium I: Stroke in the Real World: Thinking from the Heart – Management of Cardiac Disease to Improve Stroke Outcomes highlights scientific advances in cerebrovascular disease while emphasizing their application in the real world. This year's symposium will focus on the management of cardiac disease in order to improve stroke outcomes. Topics addressed this year are: should interventional cardiologists be doing endovascular procedures in acute stroke; what lessons can neurologists learn from cardiac trials on lysis vs endovascular procedures; should we be closing PFOs; left atrial appendage closure or stroke prevention in atrial fibriallation; what are the indications for prolonged monitoring of AF and whether duration matters; understanding the use of antiplatelet and triple therapy use in cardiology; what is the best approach to the use and selection of novel anticoagulants from both a cardiology and neurology perspective; and monitoring anticoagulation in patients with NOACS from both a cardiology and neurology perspective. There will also be a series of challenging breakout sessions.

The ISC 2017 Pre-Conference Symposium II: Bridge Over Troubled Water: Issues in Translational Stroke Research was designed to discuss the challenges and opportunities in moving basic science research into efficacious and well-designed clinical trials. This half-day symposium brings together leading stroke researchers across the basic and clinical spectrum to discuss potential avenues for improvement in pre-clinical modeling, utilizing human samples to bridge the translational gap, and sharing experiences in successful translation to clinical trials. Examples from research in ischemic stroke, vascular dementia, and intracerebral hemorrhage will be discussed. In addition, speakers will address the new NIH requirements for rigor and transparency in the efforts to improve reliability of preclinical research discoveries and experiences in successful academic-industry partnerships in stroke therapy trials. We will conclude the session with a networking reception to allow for informal discussions on topics of interest to participants in greater depth and allow for opportunities for junior investigators to interact with senior stroke investigators with clinical and basic expertise.

The main days of ISC will have more than 1,500 presentations of exhilarating special symposia, compelling debates and stimulating abstract presentations which will focus on numerous topics from 21 stroke-related categories. Sessions in clinical categories will center on community risk factors; emergency care; acute neuroimaging; acute endovascular and acute nonendovascular treatment; clinical rehabilitation and recovery; and health services, quality improvement, and patient-centered outcomes. Sessions in basic science categories focus on vascular biology in health and disease; basic and preclinical neuroscience of stroke recovery; and experimental mechanisms and models. Further specialized topics include pediatric stroke; intracerebral hemorrhage; nursing; preventive strategies; vascular cognitive impairment; aneurysms; subarachnoid hemorrhage; neurocritical care; vascular malformations; and ongoing clinical trials.

This year, not only will you have the opportunity to experience exceptional education and network with more than 4,500 cerebrovascular research and practice experts from around the globe, you will also have the chance to experience the many multi-cultural aspects and warm southern hospitality of sunny Houston, Texas!

Thank you for joining us for this exceptional and illuminating event. For the most current conference and programming information, please download the ISC Mobile Meeting Guide app or visit strokeconference.org and the online program planner. And don't forget to mark your calendar for ISC 2018, a bit earlier than usual, January 24 – 26, 2018 in beautiful Los Angeles, California!

#### Bruce Ovbiagele, MD, FAHA

Chair, International Stroke Conference 2017 Program Committee

International Stroke Confe	rence 2017 Program Committee Conflict of Interest Disclosure Table
COMMITTEE MEMBER	CONFLICT OF INTEREST
Bruce Ovbiagele	Research Grants; Significant; NIH U01 NS079179, U54 HG007479, R25NS098999, R21TW010479, R21NS094033.
Miguel Perez-Pinzon	Research Grants; Significant; NIH/NINDS R01 NS45676-08, NIH/NINDS R01 NS34773-15, NIH/NINDS 1R21NS098896-01, 5R01NS073779-04, AHA/ASA-Bugher Foundation. Employment; Significant; University of Miami Miller School of Medicine.
Catherine Amlie-Lefond	None.
Craig Anderson	Honoraria; Modest; Boehringer Ingelheim and Takeda. Advisory Board; Modest; Medtronic and Astra Zeneca. Employment; Significant; The George Institute for Global Health. Research Grant; Significant; National Health and Medical Research Council (NHMRC) of Australia.
Jun Chen	Honoraria; Modest; Lectures at other universities. Research Grant; Significant; Federal Grant (none from commercial resources).
Colin Derdeyn	Ownership Interest; Modest; Pulse Therapeutics.
Andrew Ducruet	Consultant/Advisory Board; Modest; Medtronic.
Nina Gentile	Research Grant; Modest; NIH.
Richard Harvey	Research Grant; Modest; Acorda Therapeutics, SPR corporation. Research Grant; Significant; Nexstim Corporation. Consultant/Advisory Board; Significant; St. Judes Medical, Nastec Corp, Phagenesis Corp.
Judy Huang	None.
Walter Kernan	None.
Louis Kim	Grant; Modest; Volcano Inc. Ownership Interest; Modest; Spi Surgical Inc. Consultant/Advisory Board; Modest; Microvention Inc. Consultant/Advisory Board; Modest; Aesculap Inc. Research Grant; Significant NIH/NINDS, RO1 grant.
Eng Lo	None.
Elaine Miller	None.
Thanh Nguyen	Consultant/Advisory Board; Modest; Cerevasc. Consultant/Advisory Board; Modest; Penumbra DSMB. Other; Modest; Boston Biomedical.
Alejandro Rabinstein	None.
Jonathan Rosand	Consultant/Advisory Board; Modest; Pfizer. Research Grant; Significant; NIH.
Tatjana Rundek	None.
Gustavo Saposnik	None.
Julie Schneider	Research Grant; Modest; UH2 NS100599-01 (MPI: Schneider, Arfanakis), R01AG042210 (Schneider), R01AG043379 (Buchman), R01AG040039 (Arvanitakis), RF1AG022018 (Barnes), R01AG054058 (Bennett), P30AG010161 (Bennett), R01AG017917 (Bennett), K01AG050823 (James). Expert Witness; Modest; National Hockey Leauge. Consultant Advisory Board; Modest; Navidea biopharmaceutical, Eli Lily Inc, Genetech
Magdy Selim	Research Grant; Significant; NIH/NINDS, AHA Collaborative Sciences Award.
Amytis Towfighi	None.
Kazunori Toyoda	Other Research Support; Modest; Behringer Company. Research Support; Modest; Brystol MS. Speakers Bureau; Moderate; Behringer, Brystol MS, Bayer, Daiichi-Sankyo, Phizer. Research Grant; Significant; Japan Agency for Medical Research and Development.
Georgios Tsivgoulis	None.
Roland Veltkamp	Honoraria; Modest; Bayer, Boehringer, Daiichi Sankyo, BMS, Pfizer, Roche, St Jude Medical, Bayer. Ownership Interest; Modest; Bayer. Consultant/Advisory Board; Modest; Bayer, Biogen, Boehringer Ingelheim, Daiichi sankyo, BMS, Pfizer, Amgen, Biogen, Sanofi. Research Grant; Significant; Bayer, Boehringer Ingelheim, Daiichi Sankyo, BMS, Pfizer.
Max Wintermark	Research Grant; Modest; NIH/NINDS 1 U01 NS087748-01. Research Grant; Significant; NIH/NINDS 1 U01 NS086872-01
Midori Yenari	Research Grant; Significant; Dept of Veterans Affairs. Research Support; Significant; Calicimedica
Kyra Becker	Consultant/Advisory Board; Modest; Biogen. Other; Significant; ICON Medical Imaging. Research Grant; Significant; NINDS.

This table represents the relationships of program committee members which may be perceived as actual or reasonably perceived conflicts of interest as reported on the Disclosure Questionnaire which all members of the program committee are required to complete and submit. A relationship is considered to be "Significant" if (a) the person receives \$10,000 or more during any 12 month period, or 5% or more of the person's gross income; or (b) the person owns 5% or more of the voting stock or share of the entity, or owns \$10,000 or more of the fair market value of the entity. A relationship is considered to be "Modest" if it is less than "Significant" under the preceding definition.

The American Stroke Association would like to acknowledge the following companies for their generous support of the International Stroke Conference Education Programming:

#### **Avizia**

Boehringer Ingelheim Pharmaceuticals Inc.

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St. John Health System

Stryker Neurovascular

Tenet Health System – Sunrise Neurology

**Wolters-Kluwer** 

(As of January 18, 2017)

#### International Stroke Conference

International Stroke Conference February 22 – 24 George R Brown Convention Center Houston, Texas

#### **Program Description**

The International Stroke Conference is the world's premier meeting dedicated to the science and treatment of cerebrovascular disease. This 2½-day conference features more than 1,500 compelling presentations that emphasize basic, clinical and translational sciences as they evolve toward a better understanding of stroke pathophysiology with the goal of developing more effective therapies.

Clinical Sessions focus on community risk factors; emergency care; acute neuroimaging; acute endovascular and acute nonendovascular treatment; diagnosis of stroke etiology; cerebral large artery disease; in-hospital treatment; clinical rehabilitation and recovery; and health services, quality improvement, and patientcentered outcomes. Basic Science Sessions focus on vascular biology in health and disease; basic and preclinical neuroscience of stroke recovery; and experimental mechanisms and models. Further specialized topics include pediatric stroke; intracerebral hemorrhage; nursing; preventive strategies; vascular cognitive impairment; aneurysms; subarachnoid hemorrhage; neurocritical care; vascular malformations; and ongoing clinical trials. Presentations on these topics attract a wide range of healthcare professionals and investigators including adult and pediatric neurologists; neurosurgeons; neuroradiologists and interventional radiologists; physiatrists; emergency medicine specialists; primary care physicians; hospitalists; nurses and nurse practitioners; rehabilitation specialists; physical, occupational, and speech therapists; pharmacists; and basic researchers spanning the fields of cerebrovascular function and disease.

#### **Learning Objectives**

At the conclusion of the International Stroke Conference, participants should be able to:

- Identify recent advances in basic models of stroke and their translation to clinical research
- Evaluate recent advances in the diagnosis, treatment, prevention and rehabilitation of cerebrovascular disease.
- Analyze new and ongoing advances in clinical research through late-breaking science and ongoing clinical trials sessions.
- Discuss new research, treatments and interventions with scientists and investigators working in all areas of cerebrovascular disease.
- Interpret the rapidly changing areas within the stroke spectrum such as emerging
  options for the diagnosis and treatment of acute stroke, mechanisms of stroke
  recovery, and the impact of vascular cognitive impairment.
- Appraise the diverse challenges presented by cerebrovascular disease to specific populations, including ethnic and racial minorities, women, children, and developing communities.

#### Abstracts - International Stroke Conference and Nursing Symposium

Abstracts from the International Stroke Conference 2017 and the Nursing Symposium 2017 will be published as an online-only supplement to the February 2017 issue of *Stroke* at http://stroke.ahajournals.org. Late-Breaking Science and Ongoing Clinical Trials abstracts will be available online on the ISC Web site at strokeconference.org.

#### **Joint Accreditation Statements**

The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team.

#### AMA Credit Designation Statement - Physicians

The American Heart Association designates this live activity for a maximum of 24.50 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### AAPA Credit Acceptance Statement - Physician Assistants

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*<sup>TM</sup> from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 24.50 hours of Category I credit for completing this program.

#### AANP Credit Acceptance Statement - Nurse Practitioners

American Academy of Nurse Practitioners (AANP) accepts *AMA PRA Category 1 Credit*™ from organizations accredited by the ACCME.

\*AMA Credit must be claimed within 6 months of attendance. Credit will no longer be available to claim after August 24, 2017

#### **ANCC Credit Designation Statement - Nurses**

The maximum number of hours awarded for this CE activity is 24.50 contact hours.

\*\*ANCC Credit must be claimed within 6 months of attendance. CME/CE will no longer be available to claim after August 24, 2017

#### **Disclosure Policy**

All persons who develop and/or control educational content in CME/CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CME/CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

#### **Legal Disclaimer**

The International Stroke Conference is a scientific and educational meeting for the purpose of exchanging and discussing research results and scientific developments in the field of cerebrovascular disease. Accordingly, the American Heart Association/ American Stroke Association cannot and does not offer any assurance or warranty of the accuracy, truthfulness or originality of the information presented at the conference.

#### **Embargo Guidelines**

International Stroke Conference 2017 abstracts, lectures and presentations are embargoed for release at the date and time of presentation or time of AHA/ASA news event. Late-Breaking Science abstract results are embargoed for release at the date and time of the first Late Breaker in the session in which the abstract is scheduled. Ongoing Clinical Trials abstracts are embargoed for release at the date and time of the Ongoing Clinical Trials Poster Session start time. Information may not be released before the scheduled presentation time. Written embargoed information cannot be shared with anyone but one-on-one embargoed media interviews can be conducted as long as the reporter agrees to abide by the embargo policy.

#### **General Information**

#### **AHA Research Funding Opportunities**

The American Heart Association is proud to fund research related to cardiovascular disease and stroke; much of this research is presented as abstracts at AHA's scientific conferences including the International Stroke Conference. The Association supports research in clinical, basic and population sciences. The AHA is and always has been a strong supporter of stroke research. Over the past 5 years, the AHA has funded over \$71 million in research closely related to stroke and another \$92 million in broadly stroke-related research. Proposals for stroke research funding are reviewed by experts in the field, with fundability determined by peer review criteria, not by science focus. For more information about our funding opportunities and upcoming application deadlines, please visit our Web site at my.americanheart.org/fundingopportunities.

#### **American Stroke Association HeadQuarters**

Get information on professional education, consumer awareness activities, quality improvement programs, professional membership opportunities, and scientific publications. Make ASA HeadQuarters your headquarters throughout the conference.

Location: Booth 233 (in the Science and Technology Hall, Hall D) Hours: Wednesday and Thursday, 10:00 am – 4:00 pm

#### American Stroke Association - Join Together To End Stroke

The American Stroke Association has launched *Together* to End Stroke™, sponsored nationally by Covidien, to teach all Americans that stroke is largely preventable, treatable and beatable. Through *Together* to End Stroke, the ASA is focusing its efforts across the entire stroke continuum of care in the areas of prevention, acute treatment, and post-stroke rehabilitation by providing tools and resources for consumers and health care professionals, an online digital strategy, national branding and messaging, local grassroots events and multicultural outreach. We need your help spreading this message to your patients and networks. Visit the ASA HeadQuarters Booth (Hall D, Booth 233). To receive updates on stroke, advocacy and new resources, go to StrokeAssociation.org/signup. Let's work *Together* to End Stroke.

#### Badges

Name badges must be worn **at all times** in the George R Brown Convention Center. A \$20 cash-only fee will be charged for badge reprint or replacement. Photo ID is required.

Your badge holds your contact information and can be used to request information from exhibitors and to access the Communication Center.

#### **CME/CE Credit**

You have two ways to complete your conference evaluation and claim your CME/CE credits for the conference, pre-conference symposia and/or nursing symposium:

- Stop by the Communication Center, which is located in the Hall D Concourse, Level 1 in Registration.
- 2. Visit learn.heart.org from any computer with internet connection.

For both options:

- Sign in with your Professional Education Center user name and password at learn.heart.org. If you do not have an account, please create one.
- Find the courses that you attended under the "Course Catalog" tab and select to enroll
- · Complete the evaluation and claim your credit.

Learners are strongly encouraged to claim CME/CE credit within 30 days of activity completion.

For assistance please contact our National Support Center at 1-888-242-2453 or e-mail learn@heart.org.

International attendees may obtain an attendance verification form at one of the self-service terminals in Registration, located in the Hall D Concourse, Level 1.

CME/CE Credit will no longer be available to claim for this activity after August 24, 2017.

#### **Conference Bags**

A complimentary conference bag will be available to registered attendees of the International Stroke Conference, Nursing Symposium and the Pre-Conference Symposia at Registration, located in the Hall D Concourse, Level 1 of the George R Brown Convention Center. Supplies are limited and are based on a first come, first served availability.

#### **Dining/Concessions**

On Wednesday and Thursday, concessions will be available in the Science and Technology Hall, Hall D. Concessions, including coffee and other beverages, will be available for purchase for the duration of the conference throughout the Convention Center.

#### **Exhibits/Science and Technology Hall**

On Wednesday and Thursday, visit the Science and Technology Hall in Hall D, where cerebrovascular products and services will be featured.

Exhibit Hours: Wednesday 10:00 am - 4:00 pm Thursday 10:00 am - 4:00 pm

#### Infants/Children in the Science and Technology Hall

Children over 6 months and under the age of 18 years will not be allowed in the Science and Technology Hall. Infants under the age of 6 months will be allowed in the Science and Technology Hall during exhibit hours only. For reasons of insurance liability and safety, however, infants must be held at all times. Strollers and infant carriers will not be allowed. The parent must sign a liability waiver at the Registration Desk before taking the infant into the Science and Technology Hall. Badges will be marked to reflect that permission has been given for the infant to be carried into the Science and Technology Hall.

#### Infants/Children in the Session Rooms and Poster Hall

Because of limited seating capacity and the highly technical nature of the program, children and infants are **not** allowed to attend presentations.

For safety reasons, children and infants are **not** permitted in the Poster Hall.

#### **Exhibitors**

A comprehensive listing of exhibitors and their products and services can be found in *Stroke News*, the Mobile Meeting Guide app and at strokeconference.org/exhibits.

#### **Guests of Speakers**

Guest badges will be available at Registration for immediate family members of speakers and must be returned after the presentation. Guests are not eligible for CME/CE credits.

#### **Hotel Questions**

A Housing Desk is located in Registration, in the Hall D Concourse, Level 1 of the George R Brown Convention Center and will be open during regular registration hours.

#### **International Attendees**

International attendees may obtain an attendance verification form at one of the self-service terminals in Registration, located in the Hall D Concourse, Level 1 of the George R Brown Convention Center.

#### **Loss of Badge Credentials**

The American Heart Association/American Stroke Association reserves the right to revoke or deny attendance of any registered participant, speaker, exhibitor, news media reporter, or photographer of presentations or activities at AHA/ASA scientific conferences and meetings.

#### **Medical Emergencies**

The First Aid Stations are located opposite Hall E, Level 1 and behind General Assembly C, Level 3 of the George R Brown Convention Center. An AED is available. Please report emergencies to the nearest security guard or the Show Office, Room 381 A-B on Level 3 of the George R Brown Convention Center.

#### **Multimedia Products/Services**

The following multimedia products/services are available at the George R Brown Convention Center.

AHA/ASA Scientific Statements and Practice Guidelines – Download the Stroke journal iPad app for free to access the iPad supplement of the AHA/ASA Scientific Statements and Practice Guidelines. This special supplement is free to access for everyone. Included in the annual collection is the most frequently cited cardiovascular and stroke stats reference – the AHA Statistical Update. More information is available at the American Stroke Association's HeadQuarters Booth 233. Hall D.

**Communication Center** – Convenient computer stations are available for attendees to leave and retrieve conference messages, access the internet, search for other attendees, print airline boarding passes, and claim CME/CE credit. It is located in the Hall D Concourse, Level 1 in Registration.

*E-Posters* – A different way for attendees to view poster presentations. Posters presented during the International Stroke Conference will be available during the meeting electronically at work stations in the Poster Hall (Hall E, Level 1) and at strokeconference.org. Attendee login is required.

**Mobile Meeting Guide** – For on-the-go access to meeting information, download the AHA Mobile Meeting Guide App by searching "AHA Events" in the App Store or Google Play. Helpful staff is available in Registration, Hall D Concourse, Level 1, to answer questions.

**Online Program Planner** – Create a personal itinerary by searching the International Stroke Conference by specialty, author, keyword, title, session or category at strokeconference.org.

**Posters: QR Codes** – In addition to traditional poster boards at the International Stroke Conference 2017, Digital Acumen also offers a way for attendees to download information directly from a poster onto their smart phones and tablets. It's called a QR code, and it's simple to use. Just download a QR code reader from the App Store or Google Play on your phone (we recommend QR Reader) and then scan the code on the poster. You will then have a link to view the poster online as well as the author's contact information in order to ask questions.

**Science News from ISC** – Visit strokeconference.org/sciencenews for official AHA/ ASA news coverage of the science presented at the 2017 meeting including: exclusive video interviews, presentation slides and audio, summary slides, news releases, and more.

**Wireless Internet** – Complimentary WiFi will be located throughout the George R Brown Convention Center.

#### **News Media**

From Feb 21-24, for media interviews, news conferences or inquiries about news releases, contact News Media Headquarters, Room 351 A-B on Level 3.

#### **No Smoking Policy**

American Heart Association/American Stroke Association policy prohibits smoking in convention center meeting rooms, the Poster Hall and the Science and Technology Hall. We appreciate your cooperation.

#### Photography and Audio/Video Recording

No person may record any portion of the AHA Scientific Sessions, scientific conferences, and the AHA/ASA International Stroke Conference, whether by video, still or digital photography; audio; or any other recording or reproduction mechanism. This includes recording of presentations and supporting A/V materials and of poster presentations and supporting poster materials.

Additionally, science information shared by investigators during a meeting is confidential and often unpublished data. Taking photos of or recording the content of meeting room slides is also prohibited, and is considered intellectual piracy and unethical. Attendees who ignore this policy will be asked to leave the educational session and are at risk of losing their badge credentials.

The American Heart Association (AHA) will take photographs and video during its conferences and may display, reproduce and/or distribute them in AHA educational, news or promotional material, whether in print, electronic or other media, including the AHA website. Your registration for an AHA conference is your grant to AHA the right to use your name, image and biography for such purposes as well as any other purpose. All photographs and/or videos become the property of AHA.

#### **Power To End Stroke**

Power To End Stroke is an education and awareness campaign that embraces and celebrates the culture, energy, creativity and lifestyles of African-Americans. It unites people to help make an impact on the high incidence of stroke within their communities.

Power To End Stroke encourages physicians, nurses and other medical professionals to join the mega community of faith leaders, community organizations and business leaders in an effort to save the lives of millions.

Learn more at http://powertoendstroke.org/events-ets.html.

#### Registration

**Onsite Registration Hours** – Onsite registration will take place in the Hall D Concourse, Level 1 at the George R Brown Convention Center during the days and hours listed below:

 Tuesday, Feb 21
 6:30 am - 5:00 pm

 Wednesday, Feb 22
 6:30 am - 5:00 pm

 Thursday, Feb 23
 6:30 am - 5:00 pm

 Friday, Feb 24
 6:30 am - 12 Noon



We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us to serve you better.

**Registration Refund/Cancellation Policy** – Registrants who cancel must request a refund of fees paid in writing. Cancellation requests received at Convention Data Services by Jan 31, 2017, midnight EST will be processed, less a \$75 administrative fee. No refunds will be issued until 7–15 days post-event. No refunds will be made after Jan 31, 2017. Purchased meal tickets are non-refundable. Refunds will not be granted for no-shows after the conference. **No refunds will be issued onsite.** 

*Important:* If you must cancel your registration, you cannot transfer it to someone else, nor can you substitute another person's name for your name. A name change is a cancellation.

**Please note:** The American Heart Association/American Stroke Association shall not be liable for cancellation of the International Stroke Conference caused by labor strikes, or threats of strikes or disputes, civil disorders, fires, weather conditions, or other acts of God, acts of war, acts of terrorism, government regulation, or for any damages or losses resulting from such cancellation.

#### **Restaurant Reservations**

Visit the Information Booth in the Hall E Concourse, Level 1, for information and reservations at the many fine restaurants in Houston and to pick up city attraction guides and brochures.

#### Safety

Inappropriate behavior or undesirable conduct, including, but not limited to, verbal or physical abuse, whether threatened or performed, will not be permitted or tolerated.

You must wear your name badge at all times in the convention center. Be sure to remove your badge when you leave the convention center or your hotel room.

#### **Sessions Seating**

Session seating is on a first-come, first-served basis. According to fire code, a session must and will be closed if the room fills to capacity. Infants and children are **not** permitted in session rooms.

For safety reasons, children and infants are **not** permitted in the Poster Hall.

#### **Speaker Resource Center**

The Speaker Resource Center is located in Room 340 A-B, Level 3 of the George R Brown Convention Center. All oral presentations will be in electronic format. Speakers are required to submit their presentations to the Speaker Resource Center at least 12 hours before session start time. All speakers must check in at Room 340 A-B at least two hours before session start time to review their presentations for technical and format issues.

Last-minute submissions disrupt the flow of sessions and will not be allowed. Any presenter who fails to submit his/her presentation in a timely manner will be prohibited from speaking.

The Speaker Resource Center has technicians available to assist presenters and is open during the following times:

 Tuesday, Feb 21
 6:00 am - 5:30 pm

 Wednesday, Feb 22
 6:00 am - 5:30 pm

 Thursday, Feb 23
 6:00 am - 5:30 pm

 Friday, Feb 24
 6:00 am - 12 Noon

#### **Simulation Zone**

Learn in the Simulation Zone. Test your stroke knowledge, skills and critical thinking in AHA's hands-on, interactive Simulation Zone. Don't miss seven new and different educational offerings by 3 different providers each day in the Science and Technology Hall.

 Wed, Feb 22:
 12:00 / 12:30 / 1:00 / 1:30 / 2:00 / 2:30 / 3:00

 Thurs, Feb 23:
 12:00 / 12:30 / 1:00 / 1:30 / 2:00 / 2:30 / 3:00

**Body Interact:** Body Interact is an immersive training platform that virtualizes acute and chronic medical conditions. Experts will facilitate realistic user experiences with a life-like patient, complete with dynamic monitoring, dialoguing, diagnostic testing, drugs, intervention options and performance debriefing.

**Neurovr:** NeuroVR<sup>TM</sup> is the world's most advanced virtual reality neurosurgery simulator. With lifelike renderings of brain tissue, blood vessels and tumors, realistic sounds and tactile feedback, learners will have the opportunity to practice open cranial and endoscopic brain surgery skills and procedures in a realistic training environment. NeuroVR offers more than 30 training modules covering essential skills through advanced procedures.

**Apollo:** Apollo is a technologically advanced mannequin based high-fidelity simulator that uses pre-programmed Simulated Clinical Experiences containing evidence-based training scenarios designed to immerse learners in a clinical environment. The APOLLO simulation sessions at ISC will include acute stroke and other neurovascular conditions and will provide learners with the opportunity to experience a life-like clinical experience.

#### Stroke $OnDemand^{TM}$

Miss a session? Experience every session just as if you had been in the room by purchasing Stroke OnDemand™ Premium, a comprehensive digital video library of this year's meeting online and on a portable DVD. Convenient online and mobile viewing on your iPad, iPhone and Android Device. Purchase at the Stroke OnDemand™ booth in the Hall C Concourse, Level 1. Buy onsite and save \$100.

Please note only presentations that have been approved by the speakers will be included.

#### Get With The Guidelines®-Stroke and Target: Stroke<sup>SM</sup>

Get With The Guidelines-Stroke is the American Heart Association and American Stroke Association's in-hospital quality improvement program focused on improving stroke care by providing medical teams tools and resources to increase adherence to the latest scientific treatment guidelines. Target: Stroke is a Get With The Guidelines-Stroke initiative that aims to improve acute ischemic stroke care by reducing door-to-needle times for eligible patients being treated with IV tPA. Stop by our booth in HeadQuarters (Booth 233) or visit Heart.org/GWTGStroke to learn more about the programs.

#### **Transportation**

There are two main airports in Houston: Bush Intercontinental Airport (IAH) to the north of downtown, and William P Hobby Airport (HOU) to the south. Both connect Houston to over 120 domestic and 72 international non-stop destinations.

#### **Bush Intercontinental Airport (IAH)**

Located about 20 miles from Downtown Houston

- Taxi: All destinations within Houston city limits are charged according to the zone
  or meter rate, whichever is less. The approximate fare from IAH to the downtown
  area is \$52.
- Supershuttle: For fare quotes and reservations, go to www.supershuttle.com.

- Courtesy Vans: Various hotels and lodgings offer courtesy vans to their properties. You can use the courtesy telephones in the baggage claim area to request a pick-up.
- Public Metro Buses: The public bus route 102 serves IAH and downtown locations. Service runs Monday through Sunday, from approximately 5 am until midnight. To check schedules and plan your trip, go to ridemetro.org.

#### William P Hobby Airport (HOU)

Located about 11 miles south of Downtown Houston.

- Taxis: Taxis are available at Curb Zone 3 outside of the baggage claim area in the lower level. All destinations within Houston city limits are charged according to the zone or meter rate, whichever is less. The approximate fare from HOU to the downtown area is \$26.
- Supershuttle: For fare quotes and reservations, go to www.supershuttle.com.
- Courtesy Vans: Various hotels and motels offer courtesy vans to their properties.
   You can use the courtesy telephones in the baggage claim area to request a pick-up.
- Public Metro Buses: The public bus route 88 serves HOU and downtown locations. Service runs Monday through Saturday, from approximately 6 am until 11 pm. To check schedules and plan your trip, go to tripplanner.ridemetro.org

Uber services both of the city's main airports at designated pick up spots.

#### **Rental Cars**

To obtain the special AHA/ASA rates, please contact the following:

 National Car Rental: 877-222-9058 Reference contract ID #XZ09D02 • Enterprise: 800-261-7331 Reference contract ID #XZ09D02

There is a large selection of car rental companies located just a short walk from the main terminal in the rental car facility. Contact MacNair Travel for special rates at 202.640.5831 or by e-mail at dmackanick@macnairtravel.com.

#### **Ground/Public Transportation in Houston**

Rail System: METRORail offers convenient and accessible service. You can purchase a day pass for use on METRORail and METRO buses for just \$3 a day. For route and fare information, go to www.ridemetro.org/pages/rail.aspx.

**Bus System:** METRO offers several types of bus service in Houston. Local service runs mostly on city streets, stopping at every other corner along its route. One-way fare is \$1.25. For more information, go to www.ridemetro.org/Pages/SchedulesBusRail.aspx.

Taxis: \$6 Cab Fare Anywhere Downtown. The City of Houston has authorized a flat taxi fare of \$6 for all trips in the downtown area. This \$6 fare will apply anywhere within the Central Business District, bounded by Interstate 45, Interstate 10 and US 59. The fare, in addition to increased downtown taxi stands, provides an easy alternative to driving to lunch, business meetings and activities throughout the downtown area. No surcharges will apply to the fare, which can accommodate multiple riders under the \$6 total rate.

Would you rather have the taxi come to you? Here are the numbers you need:

Fiesta Cab Co. (713) 225-2666
Liberty Cab Co. (713) 695-6700
Lone Star Cab Co. (713) 444-4444
Yellow Cab Houston (713) 236-1111

Jitney Service: The Wave — a hybrid between a taxi, limo and public bus — is a jitney service that shuttles users around Houston's primary nightlife areas, including Midtown, Montrose, Downtown, Uptown, Rice Village and the Washington Avenue corridor. There are a number of ways to catch the wave: along its route, call to see when and where the Wave will be arriving, or pick it up at a designated free parking lot (southwest corner of Houston and Memorial Pkwy, and at Pizzitola's on Shepherd).

**Greenlink Buses:** Free transportation in Downtown Houston. Multiple buses operate in Downtown Houston Monday through Friday, 6:30 am to 6:30 pm, about 7-10 minutes apart. This Green route spans 2.5 miles with 18 stops and connects Metro transit stops, the convention corridor, hotels, restaurants, shopping and entertainment. Another route, the Orange route, operates on Thursday and Friday from 6:30 pm to midnight, Saturdays from 9 am to midnight, and Sunday from 9 am to 6 pm.

Greenlink buses stop at popular downtown destinations including GreenStreet, George R. Brown Convention Center, Discovery Green, Main Street Square, City Hall and the Central Library and connects to Metro Park & Ride services and to the Main Street MetroRail line.

#### Parking

The George R Brown Convention Center shares a joint parking garage with the Hilton Americas located on Avenida de las Americas.

#### Twitter



Use Twitter to tweet your questions/comments during the meeting or just talk about what is happening at ISC 2017. Use hashtag: #ISC17.

#### Venue

#### Houston, Texas

America's fourth-largest city is a cosmopolitan destination, filled with world-class dining, arts, hotels, shopping and nightlife. Take a stroll through the historic Heights, spend the day exploring the Museum District, or head down to Space Center Houston. Later on, grab a bite in one of dozens of award-winning restaurants, or hang out with the cool kids on Washington Avenue. There's always something to do in this Southern hospitality meets urban chic city. Come explore YOUR Houston!

#### **Web Resources**

#### HealthJobsPLUS for Professionals

This is a Job Placement Service that can be found online at strokeconference.org (HealthJobsPlus) or at the Communication Center, located in the Hall C Concourse, Level 1 in Registration.

#### learn.heart.org

This Web site is where healthcare professionals can complete the conference evaluation and claim CME/CE credits for ISC, the Pre-Conference Symposia and the Nursing Symposium.

#### Online Itinerary/Program Planner

Create a personal itinerary by searching the International Stroke Conference by specialty, author, keyword, title, session or category at strokeconference.org.

#### professional.heart.org

Professional Heart Daily is the American Heart Association/American Stroke
Association's powerful internet resource for healthcare professionals devoted to the
fight against cardiovascular disease and stroke. A few minutes of your time might
get you a great timepiece – an Apple Watch! Visit the Professional Heart Daily (PHD)
booth (#233) to earn a chance to be one of two lucky prize winners. For a second
chance to win – and fun giveaway items – take a brief quiz about PHD, the leading
online resource for CV and stroke professionals.

#### StrokeAssociation.org

The American Heart Association/American Stroke Association Web site provides information on AHA/ASA resources and programs for professionals and consumers. Stroke warning signs, advocacy news, practice enhancement tools and more can be found on this site.

#### StrokeAssociation.org/resources

The Stroke Resource Center is the American Stroke Association's new tool to deliver stroke information beyond mainstream media approaches. By providing the general public and healthcare providers with trusted stroke information at the click of a button, we intend to increase awareness that stroke is largely preventable, treatable, and beatable and drive action among Americans to reduce the overall impact of stroke. Visit the site to obtain free printable patient education materials.

#### strokeconference.org

This Web site offers healthcare professionals anytime, anywhere access to all aspects of the annual meeting. Visit the site to learn about products and services exhibited at the International Stroke Conference and keep up with the latest news from the meeting as it happens. Plus, get access to pertinent meeting tools and information including: an online itinerary/program planner, registration and housing information, final programming, important conference deadlines, and link to the Professional Education Center to access the overall evaluation and claim your CME/CE credit. All of this and much more can be found at strokeconference.org.

#### WiFi

WiFi is available throughout the convention center.

#### STROKE COUNCIL ACTIVITIES

#### Wednesday, Feb 22, 12:10 pm – 1:30 pm, Room 361 A-F Fellow and Early Career/Stroke Leader Roundtable Luncheon

Conference attendees must register for this luncheon. Tickets are \$25 and seating is limited

One of the most exciting and motivating experiences for early career professionals is connecting with a successful leader who can provide meaningful mentorship and guidance. This lunch will provide an informal forum for new connections to be made between early career professionals and leaders in stroke. Special efforts have been made to ensure a memorable and worthwhile activity for all attendees. This luncheon is open only to students and early career registrants (those who have completed training in the last five years or those in the first five years after faculty appointment.)

#### Facilitator: Sean I Savitz, MD, FAHA, Houston, TX

#### **Table Moderators/Leaders:**

#### **Acute Stroke**

Karen C Johnston, MD, FAHA, Charlottesville, VA

#### Neurointervention

Muhammad Shazam Hussain, MD, FRCPC, Cle veland, OH

#### Neurointervention

Tudor G Jovin, MD, Pittsburgh, PA

#### Neurointervention

Sandra Narayanan, MD, Detroit, MI

#### NINDS / Director of Division of Clinical Research

Clinton B Wright, MD, MS, Bethesda, MD

#### **NINDS / Epidemiology and Trials**

Claudia Moy, PhD, Bethesda, MD

#### Nursing

Kenneth Reichenbach, MSN, CRNP, Allentown, PA

#### Stroke Basic Science / Immunology

Lauren Sansing, MD, MS, New Haven, CT

#### **Stroke Genetics**

Daniel Woo, MD, MS, Cincinnati, OH

#### Stroke Imaging

David S Liebeskind, MD, FAHA, FAAN, Los Angeles, CA

#### Stroke Journal

Karen L Furie, MD, Boston, MA

#### **Stroke and Neurocritical Care**

Alexander Flint, MD, PhD, Redwood City, CA

#### **Stroke Quality Improvement**

#### Stroke Prevention

Marc I Chimowitz, MD, FAHA, Charleston, SC

#### Stroke Prevention

Hooman Kamel, MD, New York, NY

#### Stroke Prevention

Shyam Prabhakaran, MD, Chicago, IL

We would like to thank Dr. Pooja Khatri for her time and effort in planning this Early Career Luncheon.

# Wednesday, Feb 22, 12:10 pm – 1:30 pm, Room 320 A-C Advance Practice Providers' Luncheon

Conference attendees must register for this luncheon. Tickets are \$25 and seating is limited.

#### **Introduction: Expanding APP Roles & Opportunities**

Anne Alexandrov, PhD, RN, CCRN, NVRN-BC, ANVP-BC, AGACNP-BC, FAAN

#### From PSC to CSC: Becoming a Comprehensive Stroke Center

Joanna Yang, DNP, ACNP-BC, FNP-BC, ANVP-BC

#### **Preparing for CSC Re-Certification**

Michelle Whaley, MSN, CNS

#### **Measuring APP Role Impact**

Natalie Hall, MSN, RN, NP-C

#### **APPs in Neurocritical Care**

Sarah Livesay, DNP, RN

#### APP Scholarship: The APP as Researcher, Presenter and Author

Anne Alexandrov, PhD, RN, CCRN, NVRN-BC, ANVP-BC, AGACNP-BC, FAAN

#### **Establishing and Maintaining an APP Outpatient Stroke Clinic**

Christina Condon, MSN, NP-C

#### **Establishing and Maintaining an APP Outpatient Stroke Clinic**

Sarah Lycan, NP

#### Fellowship Training in Stroke: Is it Necessary?

Michelle Starr, PA-C, ANVP-BC

#### **Advanced Neurovascular Certification: Is it Necessary?**

Dana Reiner Beenstock, MSN, RN, ANVP-BC, NVRN-BC

### Administrative Support for APP Resources: Demonstrating Return on Investment

Debbie Hill, FAHA

### Time & Position Management: Learning to Say "NO" While Maintaining Role Value

Kate Al-Hafian, NP

### APPs as Stroke Coordinators – Balancing Patient Care and Program Development

Fern Cudlip, MSN, RN, ANVP-BC, NVRN-BC

#### **APPs in Interventional Neuroradiology**

Abbigayle Doerr APN, FNP-BC, ANVP, SCRN

#### **Establishing International Neurovascular APP Role Consensus**

Wendy Dusenbury, DNP, APRN, FNP-BC, CNRN, ANVP-BC

#### Working Together with Fellow and Resident Physicians in the Hospital Setting

Kate E Klein, MS, ACNP-BC, RN, CCRN

Melissa Ellis, DNP, MSN, ACNP-BC, RN, CCRN

### We would like to thank Krista Jordan for her time and effort in planning this Advance Practice Providers' Luncheon.

#### Wednesday, Feb 22, 6:45 pm, Poster Hall, Hall E Stroke Council Annual Business Meeting

All Stroke Council Members are welcome and encouraged to attend.

The Stroke Council will hold its Annual Business Meeting on Wednesday, February 22 from 6:45~pm-7:30~pm in the George R Brown Convention Center, Poster Hall, Hall E. Remain in the Poster Hall after the poster sessions to enjoy refreshments, hear the latest council news, network with your peers and participate in informative roundtable discussions.

Stroke Council Chair: Colin P Derdeyn, MD, FAHA

# Thursday, Feb 23, 12:10 pm - 1:30 pm, Room 361 A-F Nursing and Rehabilitation Professionals Luncheon

Conference attendees must register for this luncheon. Tickets are \$25 and seating is limited

The Stroke Council's Nursing and Rehabilitation Professions Committee will hold an interdisciplinary roundtable luncheon welcoming nurses, social workers, physical therapists, occupational therapists, speech/swallowing therapists, physiatrists, neurologists, psychologists and others involved in stroke care.

Moderators: Claranne P Mathiesen, MSN, BSN, RN, CNRN, Stroudsburg, PA Sue Pugh, RN, MSN, CRRN, CNRN, CNS-BC, CBIS, FAHA, Baltimore. MD

#### Individualized Electronic Care Plans and Performance Measures for Comprehensive Post-acute Stroke Care

Pamela Duncan, PT, PhD, FAPTA, FAHA, Winston-Salem, NC

Christina Condon NP, MSN, Winston-Salem,

Sarah Lycan NP, MSN, Winston-Salem,

Barbara Lutz, PhD, RN, CRRN, APHN-BC, FAHA, FNAP, FAAN, Wilmington, NC

Janet Prvu Bettger, ScD, FAHA, Durham, NC

We would like to thank Claranne Mathiesen, Michelle Camicia, and the Nursing and Rehabilitation Professions Committee for their time and effort in planning this luncheon.

# Thursday, Feb 23, 12:10 pm – 1:30 pm, Room 320 A-C Basic Scientists Networking Luncheon

Conference attendees must register for this luncheon. Tickets are \$25 and seating is limited.

We would like to thank Raghu Vemuganti for his time and effort in planning this luncheon.

#### AWARD INFORMATION

The International Stroke Conference 2017 is pleased to offer awards for investigators in stroke-related research. Selected awardees will present and be acknowledged at the International Stroke Conference.

#### **David G Sherman Lecture**

This award was established in honor of David G Sherman, MD, a prominent stroke physician and an internationally recognized leader and researcher in stroke prevention and treatment. The award recognizes lifetime contributions to the investigation, management, mentorship and community service in the stroke field.

#### Wednesday, Feb 22, 11:00 am, Hall C

**David G Sherman Lecture:** 

# With a Little Help from My Friends: Seeking Consistent and Persuasive Evidence

E Clarke Haley, Jr, MD, FAHA, Charlottesville, VA

#### **Thomas Willis Lecture**

This award was established in honor of Thomas Willis, a prominent physician credited with providing the first detailed description of the brain stem, the cerebellum and the ventricles, with extensive hypotheses about the functions of these brain parts. The award recognizes contributions to the investigation and management of stroke – basic science.

#### Thursday, Feb 23, 10:35 am, Hall C Thomas Willis Lecture:

#### Brain Damage and Repair after Intracerebral Hemorrhage

Jaroslaw Aronowski, PhD, FAHA, Houston, TX

#### William M Feinberg Award for Excellence in Clinical Stroke

The International Stroke Conference 2017 Program Committee accepted nominations for the 2017 William M Feinberg Award for Excellence in Clinical Stroke. This award recognizes significant contributions to the investigation and management of clinical research in stroke.

#### Friday, Feb 24, 11:33 am, Hall C

William M Feinberg Award for Excellence in Clinical Stroke:

#### **Big Pictures and Small Vessels**

Steven M Greenberg, MD, PhD, FAHA, Boston, MA

#### **Stroke Research Mentoring Award**

This annual award recognizes the outstanding achievements in the mentoring of future generations of researchers in the field of cerebrovascular disease. Award recipients will be individuals who have actively engaged in sustained efforts aimed at the mentoring of trainees in the field of stroke.

#### Wednesday, Feb 22, 8:45 am, Room 310 A-C Stroke Research Mentoring Award

Louise McCullough, MD, PhD, FAHA, Houston, TX

#### Stroke Rehabilitation Award

Rehabilitation after stroke is an essential part of stroke recovery and helps to enhance and restore functional ability and quality of life to stroke survivors. This award encourages investigators to undertake or continue research and/or clinical work in the field of stroke rehabilitation and submit an abstract to the International Stroke Conference.

Wednesday, Feb 22, 7:00 am, Clinical Rehabilitation and Recovery Oral Abstracts I, General Assembly C

Stroke Rehabilitation Award:

A Phase IIb Double-blind, Randomized, Placebo Controlled Study of GSK249320 for Stroke Recovery (8)

Steven C Cramer, MD, Irvine, CA

#### Stroke Care in Emergency Medicine Award

The International Stroke Conference is pleased to present the Stroke Care in Emergency Medicine Award. This award is open to investigators at all levels who are an AHA/ASA member and submit an abstract in the Emergency Medicine category to the International Stroke Conference.

Wednesday, Feb 22, 7:00 am, Emergency Care/Systems Oral Abstracts I, **Grand Ballroom B** 

Stroke Care in Emergency Medicine Award:

Long Term Outcomes of Intravenous Glyburide in Patients 70 Years of Age or Under: Subgroup Analysis From the Phase II GAMES-RP Study of Patients with Large Hemispheric Infarction (15)

Kevin N Sheth, MD, New Haven, CT

**Mordecai Y T Globus New Investigator Award**This award recognizes Dr. Mordecai Y T Globus' major contributions to research in cerebrovascular disease, and his outstanding contributions to the elucidation of the role of neurotransmitters in ischemia and trauma; the interactions among multiple neurotransmitters; mechanisms of hypothermic neuroprotection; and the role of oxygen radical mechanisms and nitric oxide in brain injury. To be eligible for this award, you must submit an abstract to the International Stroke Conference.

Wednesday, Feb 22, 9:57 am, Basic and Preclinical Neuroscience of Stroke Recovery Oral Abstracts I, General Assembly B

Mordecai Y T Globus New Investigator Award in Stroke:

**Endothelial-targeted Overexpression of Heat Shock Protein 27 Ameliorates** Rapid Blood Brain Barrier Impairment and Improves Long Term Outcomes After Ischemia and Reperfusion (49)

Yejie Shi, MD, PhD, Pittsburgh, PA

#### Robert G Siekert New Investigator Award in Stroke

In recognition of Dr Robert G Siekert, founding chairman of the American Heart Association's International Conference on Stroke and Cerebral Circulation, this award encourages new investigators to undertake or continue stroke-related research. To be eligible, you must submit an abstract to the International Stroke Conference.

Wednesday, Feb 22, 2:18 pm, Community/Risk Factors Oral Abstracts I, General Assembly B

Robert G Siekert New Investigator Award in Stroke:

APOE Genotype Modifies the Effect of Blood Pressure on Long-term Clinical **Deterioration Following Intracerebral Hemorrhage (54)** 

Alessandro Biffi, MD, FAHA, Boston, MA

#### **NEW! Vascular Cognitive Impairment Award**

Understanding and preventing cognitive impairment due to cerebrovascular disease is one of the highest priorities for patients and a key step to improving brain health. This award encourages investigators to undertake or continue research or clinical work in the field of vascular cognitive impairment and submit an abstract to the International Stroke Conference.

Wednesday, Feb 22, 4:06 pm, Vascular Cognitive Impairment Oral Abstracts, Room 310 A-C

**Vascular Cognitive Impairment Award:** 

Nutrition and Cognitive Decline Over 21-years: Results from the Atherosclerosis Risk in Communities Study (ARIC) (95)

Jennifer L Dearborn, MD, New Haven, CT

#### **Stroke Basic Science Award**

The International Stroke Conference is pleased to present the Stroke Basic Science Award. This award is open to investigators at all levels who are an AHA/ASA member. The research must be considered basic or translational science and it must be laboratory-based. Applicants must submit an abstract in one of the appropriate categories to the International Stroke Conference.

Friday, Feb 24, 8:45 am, Vascular Biology in Health and Disease Oral Abstracts, General Assembly C

Stroke Basic Science Award:

Pericytic Laminin Regulates Blood-Brain Barrier Integrity in an Age-Dependent Manner (218)

Yao Yao, PhD, Duluth, MN

#### **ISC Junior Investigator Travel Grants**

The International Stroke Conference 2017 Travel Grants for Junior Investigators encourage and support the efforts of early career investigators in cerebrovascular disease research and encourage participation in the International Stroke Conference by providing travel funds to attend the International Stroke Conference 2017, present research in oral or poster format, and engage in discussion with senior investigators.

Application for travel grants for ISC 2018 will take place during the ISC 2018 abstract submission process. You must submit an abstract for ISC 2018 to be eligible to apply for a travel grant.

The International Stroke Conference 2017 Program Committee would like to thank the AHA/ASA's Stroke Council for their very generous contribution to the ISC 2017 travel grants.

#### NOMINATIONS FOR ISC 2018 AWARDS

#### Nominations for ISC 2018 Awards

ISC staff will begin accepting nominations for the named ISC awards on Wednesday, February 22, 2017. The deadline to submit nominations for the Feinberg, Sherman, Willis and Mentoring Awards is Wednesday, June 21, 2017. Please go to strokeconference.org/awardsandlectures for more information about each of these awards.

Please note that you must be a FAHA to be eligible for these awards.

Applications for the abstract-based awards will occur during the abstract submission process, May 10 - August 1, 2017.

#### **FAHA Application Submission and Deadlines**

The Stroke Council considers applications for AHA Fellowship during the spring and fall of each year. Applications must be received through the Council Awards Application System by 5:00 pm Central Time on December 1 for the spring review cycle and by 5:00 pm Central Time on June 1 for the fall review cycle. Applications received after the deadline dates will be held until the next review cycle. New FAHA are notified after they are elected at the annual business meeting.

#### **POSTERS**

#### **Professor-Led Poster Tours and Regular Poster Sessions**

During the ISC 2017 poster sessions, there will be both Professor-Led Poster Tours and Regular Poster Sessions. During the Professor-Led Poster Tours, leaders in the stroke field will take groups of conference attendees around 12 speaker-attended posters ordered by category. Each poster presenter will have approximately 2 minutes to present the highlights of his or her work, followed by 3 minutes for a Q&A from attendees. There are 10 different poster tours to select from during each Poster Tour Session.

To be a part of a Poster Tour, please turn to pg 50 and pg 82 in the Poster Abstracts section of the Final Program and decided which section/category of posters you would like to attend during each of the two Poster Tour Sessions. Five - ten minutes prior to the Poster Tour Session start time, simply go to the correspondingly numbered "Section" sign for that section/category of posters.

During the Regular Poster Sessions, poster presenters will stand by their poster for individual Q&A time with attendees; they will not give a formal presentation. These posters are separate and not a part of the Professor-Led Poster Tours. To see the posters in the Regular Poster Session, please turn to pg 57 and pg 89 in the Poster Abstracts section of the Final Program.

A map of the Poster Hall is available at the front of the Poster Abstracts Section; it will highlight the Professor-Led Poster Tour sections and the Regular Poster sections. Posters will be available for viewing in the Poster Hall (Hall E, Level 1) from 8:00 am – 6:45 pm on Wednesday, Feb 22 and Thursday, Feb 23. The speaker-attended poster sessions will take place at the following times:

Wednesday, Feb 22

Professor-Led Poster Tours 5:15 pm – 6:15 pm Regular Poster Session 6:15 pm – 6:45 pm

Thursday, Feb 23

Professor-Led Poster Tours 5:15 pm - 6:15 pmRegular Poster Session 6:15 pm - 6:45 pm

**FAHAs and Other Stroke Leaders** – please be sure to show your support for young investigators and attend the poster sessions.

Please note that for safety reasons, infants and children are not permitted in the Poster Hall.

Missed the poster presenter? Use your smartphone to view the poster information and listen to the author's pre-recorded discussion about the abstract. Throughout the Convention Center and in the Poster Hall, you will see black and white boxes called QR codes. Use your smartphone to scan these boxes and you'll have access to online audio and posters. Follow the directions below to download free software to your smartphone and enjoy this exciting feature.

Download the free app:

- 1. Visit www.scanlife.com on your smartphone.
- Download the free application (for almost all phones). iPhone users, go to the App Store and download app ScanLife.
- 3. Use the app to scan the code.

# Start Planning Now for the International Stroke Conference 2018 in Los Angeles, California!

#### **CALL FOR SCIENCE**

Thank you for attending the International Stroke Conference 2017. Please don't forget these important dates for the International Stroke Conference 2018 which will take place JANUARY 24-26, 2018:

#### **Submit Session Ideas**

Suggested Session Submitter Opens: Monday, Feb 20, 2017 Suggested Session Submitter Closes: Monday, March 20, 2017

#### **Submit Your Best Science for Consideration for ISC 2018**

Presenting your science at ISC offers you many benefits:

- International Impact: Media coverage from around the world resulted in more than 2 billion media impressions for ISC 2016.
- Network with Leaders in the Stroke Field: Attend ISC and discuss your findings with stroke research and practice experts from around the globe.
- Virtual Reach: The ISC reached nearly 5 million people via AHA social media channels
- Published Abstracts: Accepted ISC and Nursing Symposium abstracts will be published online on the Stroke journal Web site.
- Member Benefits: Member-rate abstract submission fee. Researchers and clinicians of any levels can apply for several abstract-based awards provided they are Members. Student, Trainee and Early Career Authors - please be sure to submit your abstract for award consideration including the Junior Investigator Travel Award Grants. Strokeconference.org/awardsandlectures

#### **Submit Abstracts**

Submission Opens: Wednesday, May 10, 2017 Submission Closes: Tuesday, Aug 1, 2017

# Submit Late-Breaking Clinical Trials\*, Late-Breaking Basic Science and Ongoing Clinical Trials Abstracts

Submission Opens: Wednesday, Sept 27, 2017 Submission Closes: Wednesday, Oct 25, 2017

\* There will be a \$250 submission fee attached to the Late-Breaking Clinical Trials abstract submissions.

The link to submit abstracts and/or session ideas can be found at strokeconference.org/submitscience on the opening date listed above.

In order to encourage a broad range of science and speakers, international authors and junior authors are strongly encouraged to submit abstracts for presentation.

#### Leaders, Legends, and Legacies in Stroke: In Memoriam

#### Henry J M (Barney) Barnett

February 10, 1922 - October 20, 2016

Degrees/Designations: MD, FRCP(C), FACP, CC

Specialty: Neurology

Medical School: University of Toronto

#### Institution(s):

- Chief of the Division of Neurology at Sunnybrook Medical Centre
- Chief of the Division of Neurology at The University of Western Ontario and Victoria Hospital
- Chairman of the Department of Clinical Neurological Sciences at Western University
- · Scientific Director, Robarts Research Institute;

#### **Notable Career Highlights:**

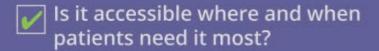
- Principal Investigator of the first randomized trial to show that aspirin reduced the risk of stroke; the NASCET (North American Carotid Endarterectomy Trial); and the EC-IC Bypass study (Extracranial–Intracranial).
- Editor of Stroke from 1982 to 1986.
- Founding Scientific Director of the Robarts Research Institute at the University of Western Ontario, London, ON, Canada.
- Founded the Department of Neurosciences at Sunnybrook Hospital (1967)
- Co-founded the world's first multidisciplinary Department of Clinical Neurological Sciences at the University of Western Ontario. (1969)
- Co-founded the Robarts Research Institute. (1986)
- Karolinska Award of Excellence in Stroke Research. (2008)
- Honorary degrees from the University of Western Ontario, Dalhousie University, Utrecht Universities and the New York Institute of Technology.
- Honorary Doctor of Science from Oxford University. (2012)
- Companion of the Order of Canada.
- Hundreds of publications include the standard stroke reference work: Stroke: Pathophysiology, Diagnosis and Treatment.

-	

# Is your patient education measuring up?









The HeartCare Channel, an educational resource of the American Heart Association/ American Stroke Association and The Wellness Network, can help you provide high quality video and print education

- accessible anytime, anywhere
- on heart failure, heart attack, stroke, atrial fibrillation, hypertension and more.





Visit ISC HeadQuarters Booth #233 or HeartCareChannel.com/MeasureUp to schedule a demo of the HeartCare Channel. Complete a demo by March 1 and be entered in a drawing to win one of 3 Fitbit activity trackers!







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Get the most out of your

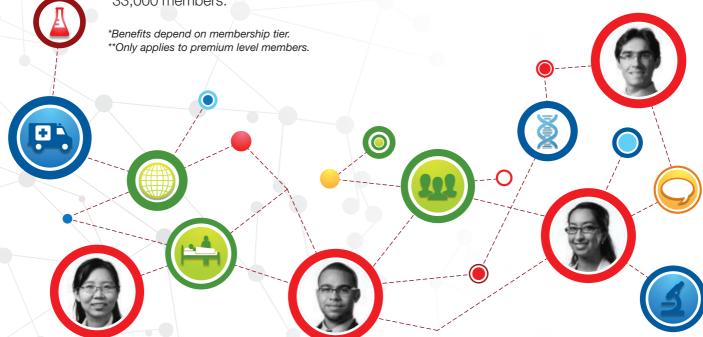
# Cardiovascular and Stroke Nursing Council Professional Membership

Benefits include:\*

- Access to all 11 online AHA scientific journals (full text)\*\*
- Countless networking opportunities with like-minded professionals
- The AHA research grant application fee is waived for members
- Endless opportunities to get involved in the AHA mission and to mentor others
- Benefits that extend beyond science so you can contribute to the AHA/ASA's mission of building healthier lives free of cardiovascular diseases and stroke.

Learn more about the CVSN Council at professional.heart.org/cvsncouncil.

Visit our staff at HeadQuarters Booth 233 to learn more about the CVSN Council and the benefits belonging to the AHA/ASA Professional Membership and our network of nearly 33,000 members.



Be a Difference Maker

Members are **where** it happens Join/Renew today!

#### State-of-the-Science Stroke Nursing Symposium 2017

Tuesday, Feb 21, 2017 George R Brown Convention Center Houston, TX

The American Heart Association/American Stroke Association is grateful to the members of the 2017 State-of-the-Science Stroke Nursing Symposium Program Committee for their dedication and leadership provided throughout the year planning the program.

#### **Program Committee**

Karen L Saban, PhD, APRN, RN, CNRN, Chair Dawn Aycock, BSN, MSN, PhD, Vice Chair Taura L Barr, PhD, RN Michelle Camicia, MSN, CRRN Jennifer Cohn, MSN, CNRN, FAHA, Immediate Past Chair Janice Hinkle, PhD, RN, CNRN (CVSN Liaison) Elaine T Miller, PhD, RN, CRRN, FAHA, FAAN (ISC Program Committee Liaison) Sue B Pugh, MSN, RN, CNRN, CRRN, CNS-BC, CBIS, FAHA Debbie Summers, RN, MSN, FAHA, ARNP (AANN Liaison)

#### **Program Committee's Conflict of Interest Information**

K L Saban: None.

D Aycock: Research Grant; Significant; NINR K01 funded SCORRE grant. T L Barr: Employment; Modest; CereDx Inc. Ownership Interest; Modest; CereDx inc. M Camicia: Research Grant; Modest; Rehabilitation Nursing Foundation, The Betty and Gordon Moore Foundation. Expert Witness; Modest; Rehabilitation hospital plaintiff and defense nurse expert. Consultant/Advisory Board; Modest; NIH Medical Rehabilitation Research Advisory Board, NQF Neurology Standing Committee J Cohn: Consultant/Advisory Board; Modest; Codman and Shurtleff, INC.

J L Hinkle: None E T Miller: None. S B Pugh: None. D R Summers: None.

Sponsored by the American Heart Association's Stroke Nursing Committee of the Council on Cardiovascular and Stroke Nursing and co-sponsored by the Preventive Cardiovascular Nurses Association.

For a complete list of Nursing Symposium abstract graders, please go to strokeconference.org/nursingsymposium.

#### **Symposium Description**

The State-of-the-Science Stroke Nursing Symposium is a can't miss forum designed to provide cutting-edge information for nursing, rehabilitation and other healthcare professionals who treat patients and families in all phases of stroke treatment from the emergency department through rehabilitation. The symposium will update and inform the audience about nursing issues along the continuum of stroke care (ischemic and hemorrhagic stroke management, rehabilitation and program development.) The goal of the program is to share innovative best clinical practices that have been developed to optimize patient outcomes throughout the stroke continuum of care. An exciting plenary program and stimulating break-out sessions are planned to meet educational needs for nurses, rehabilitation and healthcare professionals at various levels of skill

#### **Learning Objectives**

At the conclusion of the State-of-the-Science Stroke Nursing Symposium, participants should be able to:

- · Explain how to optimize community re-integration post-stroke
- Describe how to impact and improve communication for stroke patients
- Discuss facilitating admission, progression, and discharge for stroke including:
  - o Treatment delay for acute ischemic stroke both out-of-hospital and in-hospital
  - APRN-led stroke care across the continuum including ED, acute care and postacute program
  - AANN stroke nursing
- Demonstrate evidence-based strategies for preventing stroke and stroke complications including:
  - o Etiology, identification and diagnosis of cryptogenic stroke
  - Barriers to patient management and secondary prevention
  - Optimizing secondary prevention of stroke
  - o Promoting a healthy diet in patients and their family members following stroke

- Define collaborations to improve quality of life across the care continuum including:
  - Barriers and the need for support groups and return to work
  - Dysphagia screening past, present and future
  - Palliative care
- Apply strategies for assessing and managing cognitive, emotional and sleep issues related to stroke including:
- Delirium post-stroke
- Emotional disturbances after stroke: depression and emotionalism
- Screening for depression and obstructive sleep apnea (OSA) in stroke: why, what, where, and when

#### **Joint Accreditation Statements**

The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team.

#### **ANCC Credit Designation Statement - Nurses**

The maximum number of hours awarded for this CE activity is 7.00 contact hours.

\*\* ANCC Credit must be claimed within 6 months of attendance. CME/CE will no longer be available to claim after August 22, 2017.

#### Disclosure Policy

All persons who develop and/or control educational content in CME/CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CME/CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

Please note that there is a separate registration fee to attend the Nursing Symposium.

#### **TUESDAY, FEBRUARY 21**

For the most current program information and speakers, please go to the online Program Planner on strokeconference.org or download the ISC 2017 Mobile Meeting Guide app.

#### 8:00 am - 11:30 am

#### **Main Event**

Hall C

Moderators: Karen L Saban, PhD, APRN, CNRN, Maywood, IL Dawn Aycock, PhD, MSN, BSN, Atlanta, GA

8:00 Opening Remarks

Karen L Saban, PhD, APRN, CNRN, Maywood, IL

**Council Remarks** 

Deborah Chyun, PhD, RN, FAHA, FAAN, New York, NY

8:15 **Program Remarks** 

Janice L Hinkle, PhD, RN, CNRN, Washington, DC

**Optimizing Community Re-Integration Post Stroke** 

The Importance of Caregivers in Optimizing Community Re-Integration **Post Stroke** 

Tamilyn Bakas, PhD, RN, FAHA, FAAN, Cincinnati, OH

A Willing and Able Caregiver Will Optimize Community Re-Integration 8:45 Post Stroke: The Importance of Making This Evaluation Barbara Lutz, PhD, RN, CRRN, FAHA, Wilmington, NC

9:10 Community-Based Outpatient Stroke Rehabilitation Program Achieves Excellent Outcomes Including Return to Work, Driving, and Other **Rehab Outcomes** 

> Joan C Breen, MD, Bradford, MA Jeanne Andrusin, APRN, Bradford, MA

9:40 Discussion

#### 9:50 am - 10:05 am Short Break

10:05 - 11:30

"It's a Small World After All":

Nursing Speaking the Same Language in Stroke Care

10:05 Tower of Babel: The Era of Miscommunication Caryn Amedee, BSN, RN, Providence, RI

10:30 Enter the Translators: A Medical Communication Center Is Built Nelson Pedro, NREMT-P, Providence, RI

10:55 "We are Family": The Benefits of Improved Communication Patricia Carreiro, BSN, Providence, RI

11:20 Discussion

#### 11:30 am - 1:00 pm

**Lunch - Grand Ballroom A-B** *A boxed lunch will be provided.* 

#### 1:00 pm - 5:00 pm

Concurrent A - Room 370 A-F

Let's Go! Facilitating Admission, Progression, and Discharge for Stroke

Moderator: Barbara J Lutz, PhD, RN, CRRN, APHN-BC, FAHA, FNAP, FAAN, Wilmington, NC

1:00 - 2:00

**Treatment Delay for Acute Ischemic Stroke** 

1:00 Patient Out of Hospital Treatment Delay for Acute Ischemic Stroke Claudia Beal, PhD, Waco, TX

1:25 In-Hospital Treatment Delay for Acute Ischemic Stroke
Daiwai Olson, PhD, RN, CCRN, Dallas, TX

1:50 Discussion

2:00 - 2:45

APRN-Led Stroke Care Across the Continuum

2:00 ED and Acute Care

Michelle Whaley, MSN, Englewood, CO

2:20 Post-acute Program

Christina N Condon, MSN, NP-C, Winston Salem, NC

2:40 Discussion

#### 2:45 pm – 3:00 pm

**Short Break** 

Moderator: Janice L Hinkle, RN, PhD, CNRN, FAHA, Washington, DC

3:00 AANN Stroke Nursing: Conducting a Symphony of Care Lynn Hundley, MSN, RN, APRN, Louisville, KY Erin M Conahan, BSN, MSN, Allentown, PA

3:50 Discussion

4:00 Development of the Preparedness Assessment for the Transition Home After Stroke (PATH-s) Instrument
Michelle Camicia, Kaiser Fndn Rehabilitation Ctr, Vallejo, CA
Barbara Lutz, Univ of North Carolina-Wilmington, Wilmington, NC

4:15 RACE to Treat Stroke: The Results
Andrea M Korsnack, Univ of Toledo Medical Ctr, Toledo, OH

4:30 Process Implementation in the Emergency Department for the Treatment of Hemorrhagic Strokes Meredith Snyder, Univ of Colorado Hosp, Aurora, CO Kerri Jeppson, Univ of Colorado Hosp, Aurora, CO

4:45 Discussion

#### 1:00 pm - 5:00 pm

Concurrent B - Room 310 A-C

Defense! Defense! Evidence-Based Strategies for Preventing Stroke and Stroke Complications

Moderator: Taura L Barr, PhD, RN, Morgantown, WV

1:00 - 2:00

**Cryptogenic Stroke Diagnosis Impacts Patient Outcomes** 

1:00 Scope of the Problem: Etiology of Cryptogenic Stroke
Debbie R Summers. RN. MSN. FAHA. ARNP. Kansas City. MO

1:20 Identification and Diagnosis of Cryptogenic Stroke
Mary Amatangelo, MS, RN, ACNP-BC, CCRN, CNRN, SCRN, Boston, MA

1:40 Barriers to Patient Management and Secondary Prevention Patricia Lane, MBA, BSN, Midlothian, VA

2:00 Optimizing Secondary Prevention of Stroke
Dawn Kleindorfer, MD, FAHA, Cincinnati, OH

#### 2:45 pm – 3:00 pm

**Short Break** 

Moderator: Debbie R Summers, RN, MSN, FAHA, ARNP, Kansas City, MO

3:00 Promoting a Healthy Diet in Patients and Their Family Members following Stroke

Suzanne E Judd, PhD, Birmingham, AL

4:00 Effect of Intensive Systolic Blood Pressure Lowering on Hematoma Expansion in Patients with Intracerebral Hemorrhage: Analysis of Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) II Trial Adnan I Qureshi, Zeenat Qureshi Stroke Inst, El Paso, TX Mushtaq H Qureshi, Zeenat Qureshi Stroke Inst, El Paso, TX

4:15 Implementing NICE (Neurological Intensive Care Evaluation) NS5 in the CVICU to Identify Neurological Dysfunction More Rapidly in Post-Operative Cardiac Surgery Patients
Heidi Woessner, Piedmont Atlanta Hosp, Atlanta, GA

NS6

NS7

NS9

4:30 Born to Run: Advanced Practice Provider-Led Mobile Stroke
Unit Care Measures Up to Vascular Neurologists' Diagnosis
and Management
Anne W Alexandrov. Univ of Tennessee Health Science Ctr. Memphis, TN

Anne W Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN

4:45 Discussion

#### 1:00 pm - 5:00 pm

Concurrent C - Room 361 A-F

Go Team! Collaborations to Improve Quality of Life Across the Care Continuum

Moderator: Michelle Camicia, MSN, CCRN, Vallejo, CA

Hemorrhagic Stroke: Returning to Work and Support Groups Marissa DeJesus, Columbus, OH

2:00 Dysphagia Screening – Past, Present, Future Stephanie K Daniels, PhD, CCC-SLP, Houston, TX

#### 2:45 pm - 3:00 pm

**Short Break** 

NS<sub>1</sub>

NS3

Moderator: Elaine T Miller, PhD, RN, CRRN, FAHA, FAAN, Cincinnati, OH

3:00 Pallitive Care
Denise Verosky, MSN, RN, Pittsburgh, PA

4:00 Strategies for Enhancing Stroke Self-management
Among Older Stroke Survivors: A Mixed Methods Inquiry
Janet W Sit, The Chinese Univ of Hong Kong, Shatin, NT, Hong Kong
Ruth E Taylor-Piliae, The Univ of Arizona, Tucson, AZ

4:15 Male Caregivers Report Problems and Successes Caring for Wives/Partners
Linda L Pierce, The Univ of Toledo, Toledo, OH

Victoria Steiner, The Univ of Toledo, Toledo, OH

4:30 A Depression Screening Protocol for Acute Stroke Patients
a Quality Improvement Project
Celia A McIntosh, Rochester Regional Health, Rochester, NY

4:45 Discussion

#### 1:00 pm - 5:00 pm

Concurrent D - Room 350 D-F

Bring it On! Strategies for Assessing and Managing Cognitive, Emotional and Sleep Issues Related to Stroke

Moderator: Terrie Black, DNP, BSN, FAHA, Amherst, NY

1:00 Delirium Post-stroke Vanessa Gormley, Boston, MA

Jennifer O'Neill, Boston, MA

2:00 Emotional Disturbances after Stroke: Depression Maree Hackett, BA, MA, PhD, Sydney, Australia

2:15 Emotional Disturbances after Stroke: Emotionalism Smi Choi Kwon, PhD, RN, Seoul, Korea, Republic of

2:30 Discussion

#### 2:45 pm - 3:00 pm **Short Break** Moderator: Jennifer Cohn, MSN, RN, FAHA, Indianapolis, IN Screening for Depression and Obstructive Sleep Apnea (OSA) in Stroke: Why, What, Where, When Depression Screening: What Is the Best Tool and When Should It Be Performed? Kathy Bergeron, Newport, RI Should OSA Screening in Stroke Be The New Standard? 3:30 Joann Sarafin, RN, Providence, RI 4:00 Patients with Mild and Moderate Stroke Have Frequent, Severe. and Persistent Impairment in Information Processing Speed Susan Alderman, Univ of Texas-Houston, SON, Houston, TX Joshua Breier, Univ of Texas- Houston, SON, Houston, TX **Identifying Discharge Needs for Stroke Patients Using** 4:15 he Montreal Cognitive Assessment Melissa Angulo, Univ of Illinois Hosp and Health Sciences System, Chicago, IL 4:30 Arrhythmia and Polysomnography in Veterans with Ischemic Stroke

Maureen Hillmann, Univ of Illinois Hosp and Health Sciences System, Nursing-led Intervention to Improve Use of Prolonged

Sharon Bottomley, VA Connecticut Healthcare System, West Haven, CT Jason J Sico, VA Connecticut Healthcare System, West Haven, CT

For the most current program information and speakers, please go to the

#### Discussion

online Program Planner on strokeconference.org or download the ISC 2017 Mobile Meeting Guide app.

Start Planning Now for the State-of-the-Science Stroke Nursing Symposium and the International Stroke Conference 2018 in Los Angeles, California!

#### **CALL FOR SCIENCE**

Thank you for attending the State-of-the-Science Stroke Nursing Symposium 2017. Please don't forget these important dates for the State-of-the-Science Stroke Nursing Symposium 2018 and the International Stroke Conference 2018, which will take place JANUARY 23-26, 2018:

#### **Submit Session Ideas**

NS10

**NS11** 

**NS12** 

Submit your session suggestions for the Stroke Nursing Symposium 2018.

Suggested Session Submitter Opens: Monday, Feb 20, 2017 Suggested Session Submitter Closes: Monday, March 20, 2017

#### **Submit Your Best Science for Consideration for the Stroke Nursing** Symposium and the International Stroke Conference 2018

Presenting your science at ISC and the Stroke Nursing Symposium offers you many benefits:

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- · Network with Leaders in the Stroke Field: Attend ISC and the Nursing Symposium and discuss your findings with stroke research and practice experts from around the globe.
- Virtual Reach: The ISC and Stroke Nursing Symposium 2016 reached nearly 5 million people via AHA social media channels
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The International Stroke Conference includes a Nursing abstract category. You may submit nursing abstracts to both the Stroke Nursing Symposium and the International Stroke Conference. The same abstract may be submitted for both, but it can only be accepted for and presented at either ISC or the Stroke Nursing Symposium.

#### **Submit Abstracts**

Submission Opens: Wednesday, May 10, 2017 Submission Closes: Tuesday, August 1, 2017

#### Submit Late-Breaking Clinical Trials,\* Late-Breaking Basic Science, and Ongoing Clinical Trials Abstracts

Submission Opens: Wednesday, Sept 27, 2017 Submission Closes: Wednesday, Oct 25, 2017

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In order to encourage a broad range of science and speakers, international authors and junior authors are strongly encouraged to submit abstracts for presentation.



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#### Call for Abstracts:

May 10-Aug 1, 2017 (11:59 рм CDT)

Late-Breaking Clinical Trials, Late-Breaking Basic Science, and Ongoing Clinical Trials Abstract Submission: Sept 27–Oct 25, 2017

#### Housing & Registration Opens:

FAHA/VIP:

Members\*:

Nonmembers:

Sept 13, 2017

Sept 20, 2017

Sept 27, 2017

\*Must be an AHA/ASA Professional Member by Sept 20, 2017 to qualify for the opening of priority registration and housing.

#### Save up to \$1,160 on ISC 2018 registration fees!\*\*

#### Advanced Registration Deadline:

Jan 2, 2018



<sup>\*\*</sup>Registration savings depend on registration level and membership tier.



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Thank you for being a valued member of the American Heart Association/American Stroke Association (AHA/ASA)!

Stop by our Booth #233 onsite at ISC 2017 to discuss your benefits, renew your membership or learn about how to become a Fellow of the American Heart Association!

If you don't have a chance to stop by and would like to renew your membership, please go to professional.heart. org/membership and enter code AHJ022ZZ.

We look forwarding to providing you valuable science, networking, and resources in 2017!







# NH Stroke Scale

# an online CME/CE training program

This CME/CE online training program is designed for healthcare professionals to learn or review how to administer the NIH Stroke Scale for acute stroke assessment including demonstrating their continued mastery of this tool by successfully assessing a series of test scenarios. The NIH Stroke Scale is a critical component of acute stroke assessment.

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#### ISC Pre-Conference Symposium I

# Stroke in the Real World: Thinking from the Heart – Management of Cardiac Disease to Improve Stroke Outcomes

Tuesday, Feb 21, 2017 George R Brown Convention Center Houston, Texas

The American Heart Association/American Stroke Association is grateful to the members of the ISC 2017 Pre-Conference Symposium I Program Committee for their dedication and leadership provided throughout the year in planning the program.

#### **Program Committee**

Ted Wein, MD, FRCPC, FAHA, *Chair*Christie M Ballantyne, MD
Brett L Cucchiara, MD, FAHA
Gregg C Fonarow, MD, FAHA
Nicole R Gonzales, MD
James Grotta, MD
Mike Sharma, MD, MSc, FRCPC
Richard Smalling, MD, PhD, FAHA
Bruce Ovbiagele, MD, MSc, FAHA (*ISC Program Committee, Chair*)
Miguel A Perez-Pinzon, PhD, FAHA (*ISC Program Committee, Vice Chair*)

#### **Program Committee's Conflict of Interest Information**

**T Wein:** Research Grant; Modest; Astra Zeneca, Allergan Inc, Accorda. Speakers Bureau; Modest; Allergan Inc, BMS, Bayer, Boeringher Ingelheim. Other; Modest; Consultant Allergan Inc.

C Ballantyne: Consultant/Advisory Board; Modest; Abbott Diagnostics, Amarin, Amgen, Eli Lilly, Esperion, Ionis, Matinas BioPharma Inc, Novartis, Regeneron, Roche Diagnostic. Consultant/Advisory Board; Significant; Astra Zeneca, Boehringerh Ingelheim, Merck, Pfizer, Sanofi-Synthelabo. Research Grant; Significant; Abbott Diagnostic, Amarin, Amgen, Eli Lilly, Esperion, Ionis, Novartis, Pfizer, Regeneron, Roche Diagnostic, Sanofi-Synthelabo, NIH, AHA, ADA (all paid to Institution, not individual).

**B Cucchiara:** Research Grant; Modest; Bristol Myers Squibb. Consultant; Modest; Boehringer Ingelheim, Bristol Myers Squibb. Honoraria; Modest; UptoDate, Expert Witness.

**G Fonarrow:** Research Grant; Modest; PCORI. Research Grant; Modest; NIH. Employment; Significant; UCLA.

N Gonzales: Research Grant; Modest; NINDS, Clinical trial evaluating carotid revascularization (CAS or CEA) plus best medical management vs. best medical management only for patients with asymptomatic internal carotid artery stenosis, AGA Medical Corporation, RESPECT TRIAL: Randomized Evaluation of Recurrent Stroke, TIA, or Peripheral Embolism Comparing PFO Closure to Establish Current Standard of Care Treatment, Edwards Lifesciences LLC, The PARTNER II Trial: Placement of Aortic Transcatheter Valves, Edwards Life Sciences LLC, Partner 3 Trial: A prospective, Randomized, Controlled, Multi-center Study to Establish the Safety and Effectiveness of the Sapien 3 Transcatheter Heart Valve in Low Risk P.

**J Grotta:** Research Grant; Significant; AHA, PCORI, Genentech. Consultant/Advisory Board; Significant; Frazer Ltd, Stryker.

**M Sharma:** Other Research Support; Significant; Bayer, Bristol Myers Squibb, Behringer Ingelheim. Advisory Boards; Modest; AZ Therapies.

**R Smalling:** Research Grant; Significant; St. Jude. Consultant/Advisory Board; Significant; St. Jude.

**B Ovbiagele:** Research Grants; Significant; NIH U01 NS079179, U54 HG007479, R25NS098999, R21TW010479, R21NS094033.

M Perez-Pinzon: Research Grants; Significant; NIH/NINDS R01 NS45676-08, NIH/NINDS R01 NS34773-15, NIH/NINDS 1R21NS098896-01, 5R01NS073779-04, AHA/ASA-Bugher Foundation. Employment; Significant; University of Miami Miller School of Medicine.

#### **Symposium Description**

This Pre-Conference Symposium of the International Stroke Conference is designed to provide cutting edge information for healthcare professionals caring for patients with, or at risk for stroke. This one-day symposium highlights scientific advances in cerebrovascular disease while emphasizing their application in the real world. The symposium informs the audience about issues along the full continuum of stroke care and covers varied topics of interest to healthcare providers working in the emergency department, hospitalist settings, primary care, general neurology, pharmacies, and other stroke care arenas. This year's symposium will focus on the management of cardiac disease in order to improve stroke outcomes. Topics addressed this year are: should interventional cardiologists be doing endovascular procedures in acute stroke; what lessons can neurologists learn from cardiac trials on lysis vs endovascular procedures; should we be closing PFOs; left atrial appendage closure for stroke prevention in atrial fibriallation; what are the indications for prolonged monitoring of AF and whether duration matters; understanding the use of antiplatelet and triple therapy use in cardiology; what is the best approach to the use and selection of novel anticoagulants from both a cardiology and neurology perspective; and monitoring anticoagulation in patients with NOACS from both a cardiology and neurology perspective. There will also be a series of challenging breakout sessions. Participants will also have the opportunity to have an informal lunch with the faculty where questions or challenging stroke cases may be discussed.

#### **Learning Objectives**

After participating in this activity, participants will be able to:

- Theorize if interventional cardiologists should be doing endovascular procedures in acute stroke patients
- Discuss what lessons neurologists can learn from cardiac trials on lysis vs endovascular procedures
- · Question if we should be closing PFOs
- Describe left atrial appendage closure and if this is another treatment for stroke prevention in AF
- · Identify indications for prolonged monitoring and if duration matters
- Explain antiplatelet and triple therapy use in cardiology including clinical indications, complications and durations
- Document the approach to the use and selection of novel anticoagulants from both a cardiology and neurology perspective
- Describe monitoring anticoagulation in patients with NOACS from both a cardiology and neurology perspective
- · Discuss:
  - o How to safely discontinue antiplatelets/anticoagulants for procedures
  - o Common clinical dilemmas from both a cardiology and neurology perspective
  - How to manage asymptomatic carotid stenosis from both a cardiology and neurology perspective

#### **Joint Accreditation Statements**

The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team.

#### **AMA Credit Designation Statement - Physicians**

The American Heart Association designates this live activity for a maximum of 7.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### AAPA Credit Acceptance Statement - Physician Assistants

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credits*™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 7.50 hours of Category I credit for completing this program.

#### **AANP Credit Acceptance Statement - Nurse Practitioners**

American Academy of Nurse Practitioners (AANP) accepts *AMA PRA Category 1 Credit*™ from organizations accredited by the ACCME.

\*\* AMA Credit must be claimed within 6 months of attendance. Credit will no longer be available to claim after August 22, 2017.

#### **ANCC Credit Designation Statement - Nurses**

The maximum number of hours awarded for this CE activity is 7.50 contact hours.

\*\*\* ANCC Credit must be claimed within 6 months of attendance. CME/CE will no longer be available to claim after August 22, 2017.

#### **Disclosure Policy**

All persons who develop and/or control educational content in CME/CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CME/CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

Please note that there is a separate registration fee to attend the ISC Pre-Conference Symposium I.

#### **Tuesday, February 21**

Stroke in the Real World: Thinking from the Heart - Management of Cardiac Disease to Improve Stroke Outcomes

For the most current program information and speakers, please go to the online Program Planner on strokeconference.org or download the Mobile Meeting Guide app.

#### 9:00 am - 12:35 pm

Main Event - Grand Ballroom C

Moderators: James Grotta, MD, FAHA, Houston, TX Christie M Ballantyne, MD, Houston, TX

9:00 Howdy Y'All

Bruce Ovbiagele, MD, MSc, FAHA, Charleston, SC

Houston, We've Got a Problem: Should Interventional Cardiologist 9:05 Be Doing Endovascular Procedures in Acute Stroke? Pro Salman A Arain, MD, Houston, TX

Houston, We've Got a Problem: Should Interventional Cardiologist 9:15 Be Doing Endovascular Procedures in Acute Stroke? Con Raul G Nogueira, MD, Atlanta, GA

9:25 Rebuttal: Pro Salman A Arain, MD, Houston, TX

9:30 Rebuttal: Con Raul G Nogueira, MD, Atlanta, GA

9:35

This Ain't My First Rodeo: What Lessons Can Neurologists Learn from 9:50 Cardiac Trials on Lysis vs Endovascular Procedures

10:20

10:35 My Cow Died Last Night, So I Don't Need Your Bull: Should We Be Closing PFO's? Pro John Carroll, MD, Aurora, CO

10:45 My Cow Died Last Night, So I Don't Need Your Bull: Should We Be Closing PFO's? Con

10:55 Rebuttal: Pro John Carroll, MD, Aurora, CO

11:00 Rebuttal: Con

11:05 Q&A

11:20 Bless Your Heart: Left Atrial Appendage Closure - Another Treatment for Stroke Prevention in AF? Abhijeet Dhoble, MD, Houston, TX

11:40 Q&A

I'm Fixin to Find AF: Indications for Prolonged Monitoring and Does 11:55 **Duration Matter?** 

12:20 Q&A

#### 12:35 pm – 1:35 pm

Lunch

All Faculty (A boxed lunch will be provided.)

#### 1:35 pm – 2:15 pm

Main Event (cont) - Grand Ballroom C

Moderators: Nicole R Gonzales, MD, Houston, TX John Carroll, MD, Aurora, CO

Ready and Rarin' to Go: Antiplatelet and Triple Therapy Use in Cardiology: Clinical Indications, Complications and Durations Neil S Kleiman, MD, FACC, FSCAI, Houston, TX

2:05

#### 2:20 pm - 3:05 pm

**Concurrent Sessions** 

Concurrent IA - General Assembly A

Take the Bull by the Horns: How to Safely Discontinue Antiplatelets/ **Anticoagulants for Procedures** 

Colin Barker, MD, Houston, TX

Concurrent IB - General Assembly B

Sweeter than Heaven and Hotter than Hell: Common Clinical Dilemmas:

**Perspectives from Cardiology and Neurology** 

**Cardiology Perspective** 

Salman A Arain, MD, Houston, TX

**Neurology Perspective** 

Concurrent IC - General Assembly C

He's All Hat and No Cattle: Managing Asymptomatic Carotid Stenosis:

**Perspectives from Cardiology and Neurology** 

**Cardiology Perspective** 

**Neurology Perspective** 

Thomas G Brott, MD, Jacksonville, FL

#### 3:10 pm - 3:55 pm

Concurrent Sessions (Repeat)

Concurrent IIA - General Assembly A

Take the Bull by the Horns: How to Safely Discontinue Antiplatelets/

Anticoagulants for Procedures

Colin Barker, MD, Houston, TX

Concurrent IIB - General Assembly B

Sweeter than Heaven and Hotter than Hell: Common Clinical Dilemmas:

Perspectives from Cardiology and Neurology

Cardiology Perspective

Salman A Arain, MD, Houston, TX

**Neurology Perspective** 

Concurrent IIC - General Assembly C

He's All Hat and No Cattle: Managing Asymptomatic Carotid Stenosis:

Perspectives from Cardiology and Neurology

**Cardiology Perspective** 

**Neurology Perspective** 

Thomas G Brott, MD, Jacksonville, FL

#### 4:00 pm – 5:30 pm

Closing Main Event - Grand Ballroom C

Moderators: Nicole R Gonzales, MD, Houston, TX John Carroll, MD, Aurora, CO

You May All Go to Hell and I Will Go to Texas: Approach to the Use and Selection of Novel Anticoagulants: Cardiology Perspective Prakash Balan, MD, Houston, TX

You May All Go to Hell and I Will Go to Texas: Approach to the Use and Selection of Novel Anticoagulants: Neurology Perspective Valeria Caso, PhD, MD, FESO, Perugia, Italy

**Counterpoint: Cardiology** Prakash Balan, MD, Houston, TX

**Counterpoint: Neurology** 4:22 Valeria Caso, PhD, MD, FESO, Perugia, Italy

4:25

Don't Squat with Your Spurs On: Monitoring Anticoagulation in Patients with NOACS: Cardiology Perspective Mary Cushman, MD, MSc, FAHA, Burlington, VT

4:50 Don't Squat with Your Spurs On: Monitoring Anticoagulation in Patients with NOACS: Neurology Perspective David J Seiffge, MD, Basel, Switzerland

5:05

5:20 It's Time to Put the Chairs in the Wagon: Closing Remarks Bruce Ovbiagele, MD, MSc, FAHA, Charleston, SC

#### ISC Pre-Conference Symposium II

#### Bridge Over Troubled Water: Issues in Translational Stroke Research

Tuesday, Feb 21, 2017 George R Brown Convention Center Houston, Texas

The American Heart Association/American Stroke Association is grateful to the members of the ISC 2017 Pre-Conference Symposium II Program Committee for their dedication and leadership provided throughout the year in planning the program.

#### **Program Committee**

Louise D McCullough, MD, PhD, FAHA,  $\it Chair$  Lauren H Sansing, MD, MSTR

Bruce Ovbiagele, MD, MSc, FAHA (ISC Program Committee, Chair)
Miguel A Perez-Pinzon, PhD, FAHA (ISC Program Committee, Vice Chair)

#### **Program Committee's Conflict of Interest Information**

L D McCullough: None

L Sansing: Research Grant; Significant; NIH.

**B Ovbiagele:** Research Grants; Significant; NIH U01 NS079179, U54 HG007479, R25NS098999, R21TW010479, R21NS094033

M Perez-Pinzon: Research Grants; Significant; NIH/NINDS R01 NS45676-08, NIH/NINDS R01 NS34773-15, NIH/NINDS 1R21NS098896-01, 5R01NS073779-04, AHA/ASA-Bugher Foundation. Employment; Significant; University of Miami Miller School of Medicine

#### **Symposium Description**

This pre-conference event was designed to discuss the challenges and opportunities in moving basic science research into efficacious and well-designed clinical trials. This half-day symposium brings together leading stroke researchers across the basic and clinical spectrum to discuss potential avenues for improvement in preclinical modeling, utilizing human samples to bridge the translational gap, and sharing experiences in successful translation to clinical trials. Examples from research in ischemic stroke, vascular dementia, and intracerebral hemorrhage will be discussed. In addition, speakers will address the new NIH requirements for rigor and transparency in the efforts to improve reliability of pre-clinical research discoveries and experiences in successful academic-industry partnerships in stroke therapy trials. We will conclude the session with a networking reception to allow for informal discussions on topics of interest to participants in greater depth and allow for opportunities for junior investigators to interact with senior stroke investigators with clinical and basic expertise.

#### **Learning Objectives**

After participating in this activity, participants will be able to:

- Discuss clinical stroke syndromes and how to model these in the laboratory.
   Stress the importance of understanding clinical stroke and the challenges that face patients that will help determine relevant therapeutic targets in humans (quality of life and depression)
- Describe rigor, ensuring experimental plans model disease, and the new requirements for grant proposals
- Identify how to use human specimens in basic science research including biomarkers, mechanistic human work, and potential sources of samples for your research
- · Discuss vascular dementia and challenges of animal models
- · Determine how to move pre-clinical targets to clinical trials

#### **Joint Accreditation Statements**

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Please note that there is a separate registration fee to attend the ISC Pre-Conference Symposium II.

#### Tuesday, February 21

#### Bridge Over Troubled Water: Issues in Translational Stroke Research

For the most current program information and speakers, please go to the online Program Planner on strokeconference.org or download the Mobile Meeting Guide app.

#### 1:00 pm - 5:00 pm

Room 320 A-C

Moderators: Louise D McCullough, MD, PhD, FAHA, Houston, TX Lauren H Sansing, MD, MSTR, New Haven, CT

1:00 Discussing Clinical Stroke Syndromes and How to Model Patrick Lyden, MD, FAHA, Los Angeles, CA

2:00 O&A

2:10 Rigor and Reproducibility in Grant Applications: Overview of New NIH Guidelines

Francesca Bosetti, PharmD, PhD, Bethesda, MD

2:40 Q&A

2:50 Maximizing Translational Relevance: Incorporating Human Samples in Scientific Research

Lauren H Sansing, MD, MSTR, New Haven, CT

3:20 Q&A

3:25 Break

3:40 Vascular Dementia
Masafumi Ihara, MD, Osaka, Japan

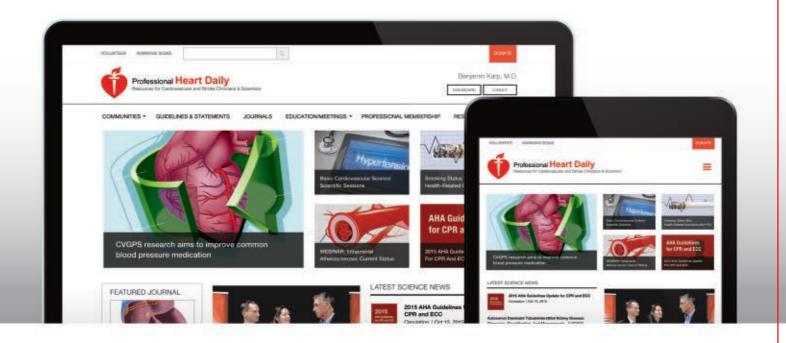
4:10 Q&A

**4:20** Moving Pre-clinical Targets to Clinical Trials Kevin N Sheth, MD, New Haven, CT

4:50 Q&A

5:00 Wine and Cheese Networking Reception 320 A-C Pre-Function Space


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A few minutes of your time might get you a great timepiece – an Apple Watch! Visit the Professional Heart Daily (PHD) booth (#233) to earn a chance to be one of two lucky prize winners. For a second chance to win — and fun giveaway items — take a brief quiz about PHD, the leading online resource for CV and stroke professionals.



# WEDNESDAY, FEB. 22

# TARGET: BP







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Changes to the programming have occurred since the Final Program wen please refer to the Mobile Meeting Guide app. To download the app, searc	t to print. For the current, most accurate programming information, ch "AHA Events" in the App Store or Google Play.

# Wednesday, February 22 (7:00 am – 8:30 am)

Category	SAH and Other Neurocritical Management	Nursing
Session Title	Detection and Management of Delayed Cerebral Ischemia: Navigating Through the Fog	Redefining the Continuum of Stroke Care for Working Age Adults
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly A	Grand Ballroom A
Moderator(s)	Robert Loch Macdonald, MD, PhD, FRCS(C), FAANS, FACS, Toronto, ON, Canada Stephan A Mayer, MD, FAHA, New York, NY	Amy Edmunds, MA,Comway, SC Souvik Sen, MD, MS, MPH, FAHA, Colombia, SC
7:00	Diagnosing DCI: How Useful Are Imaging Studies?  Jose I Suarez, MD, Houston, TX	(7:00) What the Numbers Say: Comparative Analysis of Stroke Epidemiology in Young Adults
7:15	Medical Management of DCI: Does Anything Work?	Virginia J Howard, PhD, FAHA, Birmingham, AL
	Michael Diringer, MD, Saint Louis, MO	(7:19) Quality Inpatient Care for Young Adult Stroke Survivors
7:30	Rescue Treatments for Refractory DCI: What Are the Options?	Mary Morrissett, RN, BSN, Richmond, VA
	Louis J Kim, MD, Seattle, WA	(7:38) Preparing Young Stroke Survivors for the Community and Return to Work
7:45	How Do I Diagnose and Manage DCI: A Case-based Debate (Panel Discussion)	Barbara Lutz, PhD, RN, CRRN, APHN-BC, FAHA, FNAP, FAAN, Wilmington, NC
		(7:57) Getting the Word Out: Engaging Young Adults at Risk for Stroke Gayenell Magwood, PhD, RN, FAAN, Charleston, SC
		(8:15) Discussion

Category	Acute Neuroimaging	Cerebral Large Artery Disease		
Session Title	Neuroimaging for Acute Stroke Revascularization (Debate)	Cerebral Large Artery Disease Oral Abstracts I		
Session Type	Debate	Abstract		
Room	Grand Ballroom C	General Assembly B		
Moderator(s)	Shyam Prabhakaran, MD, MS, Chicago, IL Pooja Khatri, MD, MSc, FAHA, Cincinnati, OH	Jose G Romano, MD, Miami, FL Randolph Marshall, MD, New York, NY		
7:00	Acute Stroke Imaging: Non-contrast CT in the ER Is More Than Enough Raul G Nogueira, MD, Atlanta, GA	(7:00) Dual Antiplatelet Therapy is More Effective for Multiple Acute Infarcts: Subgroup Analysis of Chance 1 Yilong Wang, Capital Medcal Univ, Beijing Tiantan Hosp, Beijing, China Yongjun Wang, Capital Medcal Univ, Beijing Tiantan Hosp, Beijing, China		
		(7:12) Tolerability and Medication Requirements of Aggressive Medical Management in SAMMPRIS 2 Chirantan Banerjee, Medical Univ Of South Carolina, Charleston, SC Tanya N Turan, Medical Univ Of South Carolina, Charleston, SC		
7:19	Non-contrast Head CT and CTA Source Images: Basics Never Go Out of Style Richard Aviv, MBChB, MRCP, Toronoto, ON, Canada	(7:24) Stent Placement Versus Best Medical Therapy for Symptomatic Intracranial Stenosis. A Meta-analysis of Randomized and Non-randomized Studies 3 Muhammad F Ishfaq, Zeenat Qureshi Stroke Inst, St Cloud, MN Adnan I Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN		
	Perfusion with Collateral Imaging Is a Must	(7:36) Statin Pretreatment and Microembolic Signal Burden in Patients with Acute Large-artery Atherosclerotic Stroke: A Dose-dependent Effect 4 Georgios Tsivgoulis, Attikon Univ Hosp, Univ of Athens, Athens, Greece Christos Krogias, St Josef-Hosp, Ruhr Univ, Bochum, Germany		
7:38	David S Liebeskind, MD, FAHA, FAAN, Los Angeles, CA	(7:48) Early Outcomes After Carotid Endarterectomy Compared to Carotid Artery Stenting for Carotid Stenosis in the National Surgical Quality Improvement Program Database 5  Mohammed K Alhaidar, Richard Amdur, Rami Algahtani, Dimitri Sigounas, Mohanad		
7:57	Imaging in Telemedicine and Mobile Stroke Units Lucas Elijovich, MD, Memphis, TN	Algaeed, Christopher R Leon Guerrero, George Washington Univ, Washington, DC  (8:00) Interim Report of the Weave Trial: First 102 Consecutive on Label Patients 6  Michael J Alexander, Cedars Sinai Medical Ctr, Los Angeles, CA Wengui Yu, Univ of California Irvine, Irvine, CA		
8:15	Discussion	(8:12) Higher Prevalence of High-t1w-signal Plaques on the Symptomatic Side in Patient with Recent Ischemic Stroke 7 Zhaoyang Fan, Cedars-Sinai Medical Ctr, Los Angeles, CA Debiao Li, Cedars-Sinai Medical Ctr, Los Angeles, CA		
0.10	การการากา	(8:24) Discussion		
Short Break (8:30 am – 8:45 am)				

# Wednesday, February 22 (7:00 am – 8:30 am)

Category	Clinical Rehabilitation and Recovery		
Session Title	Clinical Rehabilitation and Recovery Oral Abstracts I		
Session Type	Abstract		
Room	General Assembly C	For changes to the program	
Moderator(s)	Richard Harvey, MD, Chicago, IL Ladislav Pazdera, MD, Rychnov nad Kneznou, Czech Republic	made since the Final Program went to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest information), please check the online Program/Itinerary	
7:00	A Phase IIb Double-blind, Randomized, Placebo Controlled Study of GSK249320 for Stroke Recovery 8 Steven C Cramer, Univ of California, Irvine, Irvine, CA Thomas R Thompson, GlaxoSmithKline, Research Triangle Park, NC		
7:12	Diffusion Tensor Tractography Correlates of Post-Stroke Spasticity & Its Mitigation 9 Svetlana Pundik, Case Western Reserve Univ and Cleveland VA Medical Ctr, Cleveland, OH Janis J Daly, MR Gainesville DVA Medical Ctr, Gainsville, FL		
7:24	Neuroendocrine Dysfunction and Functional Disability Following Stroke 10 Lisa A Kreber, Ctr for Neuro Skills, Bakersfield, CA Charan K Singh, Ctr for Neuro Skills, Bakersfield, CA		
7:36	Targeted Training of a Motor-parietal Circuit Improves Its Behavioral Output 11 Steven C Cramer, Univ of California, Irvine, Irvine, CA Cristina V Lopes, Univ of California, Irvine, Irvine, CA		
7:48	Effect of Corticospinal Tract Injury on Motor Cortex Function and Connectivity After Stroke 12 Steven C Cramer, Univ of California, Irvine, Orange, CA Ramesh Srinivasan, Univ of California, Irvine, Orange, CA	Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the	
8:00	The Effect of Circadian Light on Depressive Mood in Post Stroke Patient During Admission for Rehabilitation 13  Anders West, Rigshospitalet Glostrup, Copenhagen Univ Hosp, Glostrup Copenhagen, Denmark  Helle Iversen, Rigshospitalet Glostrup, Copenhagen Univ Hosp, Glostrup Copenhagen, Denmark	ISC abstracts online in the Stroke journal.  The number listed immediately after the abstract's title is the abstract's presentation number.	
8:12	Effects of Lesion Laterality on Post-Stroke Motor Performance: An ENIGMA Stroke Recovery Analysis 14 Sook-Lei Liew, Univ of Southern California, Los Angeles, CA Paul M Thompson, Univ of Southern California, Los Angeles, CA		
8:24	Discussion		

Category	Emergency Care/Systems	Nursing
Session Title	Emergency Care/Systems Oral Abstracts I	Nursing Oral Abstracts
Session Type	Abstract	Abstract
Room	Grand Ballroom B	Room 310 A-C
Moderator(s)	Kevin Sheth, MD, New Haven, CT Andrew Asimos, MD, Charlotte, NC	Martha Power, FNP-C, Morgantown, WV Daiwai Olson, PhD, RN, CCRN, Dallas, TX
7:00	Long Term Outcomes of Intravenous Glyburide in Patients 70 Years of Age or Under: Subgroup Analysis From the Phase II GAMES-RP Study of Patients with Large Hemispheric Infarction 15  Kevin N Sheth, Yale Univ, New Haven, CT W Taylor Kimberly, Massachusetts General Hosp, Boston, MA	Satisfaction with the Stroke Caregiver Telephone Assessment and Skill-Building Kit 22  Tamilyn Bakas, Univ of Cincinnati Coll of Nursing, Cincinnati, OH Elaine T Miller, Univ of Cincinnati Coll of Nursing, Cincinnati, OH
7:12	A Discrete Event Simulation to Assess the Impact of EMS Routing Algorithms on the Number Needed to Route and Transport Time 16 Brittany M Bogle, Univ of North Carolina-Chapel Hill, Chapel Hill, NC Wayne D Rosamond, Univ of North Carolina-Chapel Hill, Chapel Hill, NC	Reducing Stroke Readmissions Utilizing a Home Care Based Transitions Coaching Program 23 Ann M Leonhardt Caprio, Univ of Rochester, Rochester, NY Curtis G Benesch, Univ of Rochester, Rochester, NY
7:24	Prehospital Deterioration During Transport by Emergency Medical Services for Stroke Patients: A Population-Based Study 17 Sabreena J Gillow, Univ of Cincinnati, Cincinnati, OH Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, OH	Helping to Educate Women About the Risk of Stroke (HER-Stroke): Initial Results from a Teaching Intervention 24 Amanda Dirickson, Univ of Texas Southwestern Medical Ctr, Dallas, TX Daiwai M Olson, Univ of Texas Southwestern Medical Ctr, Dallas, TX
7:36	External Validation of the RACE Scale After Its Implementation in the Stroke Code Protocol in Catalonia 18  Natalia Perez de la Ossa, Hosp Germans Trias i Pujol, Barcelona, Spain Antoni Dávalos, Hosp Germans Trias i Pujol, Barcelona, Spain	Mild Cognitive Impairment the New Risk Factor for Stroke? 25 Trudy Gaillard, Coll of Nursing, Cincinnati, OH Tamilyn Bakas, Coll of Nursing, Cincinnati, OH
7:48	Machine Learning Approach Identifies a Pattern of Gene Expression in Peripheral Blood Which Can Accurately Detect Ischemic Stroke 19 Grant C O'Connell, West Virginia Univ, Morgantown, WV Taura L Barr, CereDx Inc, Morgantown, WV	National Institute of Health Stroke Scale (NIHSS) Inter-rater Reliability and Confidence among NIHSS Certified Nurses: Implementation of a Standardized Patient Simulation 26  Kelly Trieglaff, Valparaiso Univ, Fort Wayne, IN
8:00	Specific Point-of-care Testing of Coagulation in Patients Treated with Non-vitamin K Antagonist Oral Anticoagulants Part I (SPOCT-NOAC I) 20 Florian J Härtig, Univ Hosp Tübingen, Tübingen, Germany Sven Poli, Univ Hosp Tübingen, Tübingen, Germany	The Georgia Stroke Curriculum (GSC): Provides Free Stroke Education to Healthcare Professionals 27 Katja Bryant, Northside Hosp, Atlanta, GA Susan Zimmermann, Aurora Bay Medica Ctr, Green Bay, WI
8:12	Can Telemedicine Replace an On-board Vascular Neurologist in Deciding about Tissue Plasminogen Activator Treatment? A Pre-Specified Substudy of the BEST-MSU Study 21  Tzu-Ching Wu, The Univ of Texas Health Science Ctr at Houston, Houston, TX James C Grotta, Memorial Hermann Hosp, Houston, TX	Virginia Stroke Coordinators Successfully Collaborate to Improve Door to  Needle Times and EMS Relationships 28  Heather Turner, Univ of Virginia Health System, Charlottesville, VA  Patricia Lane, Bon Secours Richmond Health System, Richmond, VA
8:24	Discussion	Discussion

# Wednesday, February 22 (8:45 am - 10:15 am)

Category	Acute Endovascular Treatment	Acute Neuroimaging
Session Title	Acute Endovascular Treatment Oral Abstracts I	Acute Neuroimaging Oral Abstracts I
Session Type	Abstract	Abstract
Room	Grand Ballroom B	General Assembly C
Moderator(s)	Hesham Masoud, MD, Syracuse, NY Osama Zaidat, MD, MS, FAHA, FAAN, Toledo, OH	Richard Aviv, MB, ChB, MRCP, Toronto, ON, Canada Seena Dehkharghani, MD, New York, NY
8:45	The Association Between General Anesthesia and Outcome of Endovascular Thrombectomy in Pooled Data From Five Randomized Trials 29  Bruce C Campbell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia Peter J Mitchell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia	Acute Stroke Evolution is in the Eye of the Beholder: Effects of Interrater Variability on Patient Selection and Outcomes in the Mr Witness (nct01282242)  Multicenter Thrombolysis Trial 36  Ona Wu, Massachusetts General Hosp, Boston, MA Lee H Schwamm, Massachusetts General Hosp, Boston, MA
8:57	Door-to-puncture and First Pass Times for Endovascular Thrombectomy: Predictors and Changes Over Time in GWTG-stroke 30 Bijoy K Menon, Univ of Calgary, Calgary, AB, Canada Eric E Smith, Univ of Calgary, Calgary, AB, Canada	ASPECTS and Stratified Outcomes After Endovascular Therapy in the Trevo Retriever Registry: Benefit in Low ASPECTS 37  David S Liebeskind, Neurovascular Imaging Res Core, Los Angeles, CA Raul G Nogueira, Emory Univ Sch of Med / Grady Memorial Hosp, Atlanta, GA
9:09	The Association Between Baseline Ischemic Core Volume and Benefit of Endovascular Thrombectomy in Pooled Data from Six Randomized Trials 31 Bruce C Campbell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia Peter J Mitchell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia	Brain CT Perfusion is Superior to Non-contrast CT Aspects in the Evaluation of Hyperacute Infarct Volume 38  Jelle Demeestere, John Hunter Hosp, Newcastle, Australia Christopher Levi, John Hunter Hosp, Newcastle, Australia
9:21	Per Protocol Versus Intent-to-treat Analysis in a Non-inferiority, Randomized Trial of the Safety and Efficacy of the Penumbra 3D Stent Retriever as an Adjunct to Aspiration in Acute Ischemic Stroke 32  Donald Frei, Swedish Medical Ctr, Englewood, CO Adnan Siddiqui, SUNY Univ at Buffalo & Kaleida Health, Buffalo, NY	CT Perfusion Selection May Lead to Better Clinical Outcomes Following Endovascular Therapy in Large Vessel Occlusion Stroke 39 Mehdi Bouslama, Emory Univ SOM, Atlanta, GA Raul G Nogueira, Emory Univ SOM, Atlanta, GA
9:33	The Impact Transfer Status, Level of Stroke Center Certification, and Hospital Thrombectomy Volume on the Outcome of Acute Ischemic Stroke Patients with Emergent Large Vessel Occlusion 33  Jason W Tarpley, Providence Southern California, Santa Monica, CA Elizabeth Baraban, Providence Brain and Spine Inst, Portland, OR	The Disappearing Core: Time to Re-think Irreversible Injury in This Era of Endovascular Therapy 40  Amie W Hsia, Medstar Washington Hosp Ctr, Washington, DC Lawrence L Latour, NIH, Bethesda, MD
9:45	A Decrease in Blood Pressure is Associated with Unfavorable Outcome in Patients Undergoing Thrombectomy Under General Anesthesia in the Mr Clean Study 34  Kilian M Treumiet, Academic Medical Ctr, Amsterdam, Netherlands Charles B Majole, Academic Medical Ctr, Amsterdam, Netherlands	Prognostic Value of Perfusion MRI in Patients with Transient Ischemic Attack or Minor Stroke 41 Hyunjin Jo, Samsung Medical Ctr, Seoul, Korea, Republic of Gyeong-Moon Kim, Samsung Medical Ctr, Seoul, Korea, Republic of
9:57	MR CLEAN Registry: A Post-trial Multicenter Registry of Intra-arterial Treatment for Acute Ischemic Stroke in the Netherlands 35 Ivo Jansen, Academic Medical Ctr, Amsterdam, Netherlands Charles Majoie, Academic Medical Ctr, Amsterdam, Netherlands	Blood Biomarkers Refect Tissue Viability in Acute Ischemic Stroke 42 Alejandro Bustamante, Inst de Recerca, Hosp Univri Vall d'Hebron, Barcelona, Spain Joan Montaner, Inst de Recerca, Hosp Univri Vall d'Hebron, Barcelona, Spain
10:09	Discussion	Discussion

Category	Vascular Cognitive Impairment	Pediatric Stroke	
Session Title	VCI Mini-Symposium: Emotional Disturbances After Stroke	Sickle Cell Disease and Stroke Across the Lifespan	
Session Type	Invited Symposium	Invited Symposium	
Room	Grand Ballroom A	General Assembly A	
Moderator(s)	Craig Anderson, MD, PhD, Sydney, NSW, Australia Nneka L Ifejika, MD, MPH, Houston, TX	Robert Adams, MD, MS, FAHA, Charleston, SC Nomazulu Dlamini, MBBS, Toronto, ON	
8:45	<b>Depression</b> Maree L Hackett, MA, PhD, Sydney, Australia	Cerebral Oxygen Metabolism in Sickle Cell Disease in Adults L C Jordan, MD, PhD, Nashville, TN	
9:04	<b>Emotionalism</b> Smi Choi-Kwon, PhD, RN, Seoul, Korea, Republic of	Age Dependence of Stroke Vulnerability in Sickle Cell Disease Kristin Guilliams, MD, St Louis, MO	
9:23	<b>Anger</b> Ricardo Jorge, MD, Houston, TX	Genetic Predictors of Stroke in Sickle Cell Jonathan Flanagan, PhD, Houston, TX	
9:42	SSRI Therapy in Stroke Patients: To Whom? Jong S Kim, MD, PhD, Seoul, Korea, Republic of	<b>To Transfuse or Not Transfuse</b> Monica Hulbert, St Louis, MO	
10:00	Discussion	Discussion	
Short Break (10:15 am – 10:30 am)			

# Wednesday, February 22 (8:45 am - 10:15 am)

Category	Basic and Preclinical Neuroscience of Stroke Recovery	
Session Title	Basic and Preclinical Neuroscience of Stroke Recovery Oral Abstracts I	Junior Investigator Session
Session Type	Abstract	Invited Symposium
Room	General Assembly B	Room 310 A-C
Moderator(s)	Michael Bennett, PhD, New York, NY Ruth Stetler, PhD, Pittsburgh, PA	Gregory Bix, MD, PhD, Lexington, KY TBD
	Neuroprotective Effects of Inhibition of α5β1 Integrin Following Experimental Stroke: A Dual Center Pre-Clinical Study 43  Danielle Edwards, Univ of Kentucky, Lexington, KY  Gregory J Bix, Univ of Kentucky, Lexington, KY	(8:45) Stroke Research Mentoring Award Louise McCullough, MD, PhD, FAHA, Houston, TX
8:45		(8:50) Collateral Enhancement with External Counterpulsation in Brain Ischemia (COLEEBRI) Esteban Cheng-Ching, MD, Dayton, OH
		(8:55) Discussant
8:57	Hdac3i Alleviated Ischemic Stroke Injury Through Modulating Aim2 Inflammasome and Microglia Polarization 44	(9:00) Q&A
0.37	Meijuan Zhang, Nanjing Drum Tower Hosp, Nanjing, China Yun Xu, Nanjing Drum Tower Hosp, Nanjing, China	(9:07) Advanced Neuroimaging to Predict Functional Outcomes After Ischemic Stroke Mark Etherton, MD, PhD, Boston, MA
0.00	IRF5/IRF4 Regulatory Axis Mediated Microglial M1/M2 Polarization After Ischemic Stroke 45 Abdullah A Mamun, Univ of Texas Health Science Ctr at Houston, Houston, TX Liu Fudong, Univ of Texas Health Science Ctr at Houston, Houston, TX	(9:12) Discussant
9:09		(9:17) Q&A
9:21	The Influence of Age and Stroke on Gut Inflammation and Microbiota 46  Javiera B Bravo-Alegria, , UTHealth, Houston, TX  Venugopal R Venna, UTHealth, Houston, TX	(9:24) Objective Pre-Hospital Diagnosis of Emergent Large-Vessel Occlusion to Reduce Time to Endovascular Therapy Sameer Sharma, MBBS, Cincinnati, OH
		(9:29) Discussant
	Age of Donor of Human Mesenchymal Stem Cells Drastically Affects Structural	(9:34) Q&A
9:33	and Functional Recovery After Cell Therapy Following Ischemic Stroke 47 Susumu Yamaguchi, Nagasaki Harbor Medical Ctr City Hosp, Nagasaki, Japan Takayuki Matsuo, Nagasaki Univ, Nagasaki, Japan	(9:41) RAPID STROKE (Rivaroxaban for Atrial Fibrillation Pilot Trial Assessing Optimal Treatment Delay After Stroke) Charlotte Zerna, MD, Calgary, AB, Canada
	Dysregulated Glucose Metabolism Pathway Specific Genes in Aged and	(9:46) Discussant
9:45	Post-stroke Rat Brains: Implicating Hexokinase 3 in Glucose Regulation 48 Umadevi V Wesley, Univ of Wisconsin, Madison, WI Robert J Dempsey, Univ of Wisconsin, Madison, WI	(9:51) Q&A
9:57	Endothelial-targeted Overexpression of Heat Shock Protein 27 Ameliorates Rapid Blood Brain Barrier Impairment and Improves Long Term Outcomes  After Ischemia and Reperfusion 49  Yejie Shi, Univ of Pittsburgh, Pittsburgh, PA  Jun Chen, Univ of Pittsburgh, Pittsburgh, PA	(9:58) The Diagnostic Value of Dual Energy CT Head in the Management of Acute Ischemic Stroke  Deepak Gulati, MD, Columbus, OH
		(10:03) Discussant
10:09	Discussion	(10:08) Q&A
10:09	DISCUSSION	

Category	Preventive Strategies			
Session Title	The Implications of SPRINT and the New Hypertension Guidelines on Clinical Practice and Future Research (an AHA/ASA and World Hypertension League Joint Session)	For changes to the program made since the Final Program went to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the ISC abstracts online in the Stroke journal.  The number listed immediately after the abstract's title is the abstract's presentation number.		
Session Type	Invited Symposium			
Room	Grand Ballroom C			
Moderator(s)	Daniel T Lackland, DrPH, PhD, Charleston, SC Philip B Gorelick, MD, MPH, FAHA, Grand Rapids, MI			
8:45	The Implications of SPRINT Results and Stroke Risks Clive Rosendorff, MD, PhD, New York, NY			
9:04	The Implications of the New Hypertension Guidelines on Stroke Risks Paul K Whelton, MD, FAHA, MSc, New Orleans, LA			
9:23	Remaining Questions for Future Research of Hypertension and Stroke Risks Adriana Conforto, MD, PhD, Sao Paulo, Brazil			
9:42	Implementing Hypertension Guidelines for the Reduction of Stroke Risks Robert Carey, MD, FAHA, Charlottesville, VA			
10:00	Discussion			
Short Break (10:15 am – 10:30 am)				

#### Wednesday, February 22 (10:30 am - 12 Noon)

Plenary Session		
Session Title	Opening Main Event	
Session Type	Plenary	
Room	Hall C	
Moderator(s)	Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC Miguel A Perez-Pinzon, PhD, FAHA, Miami, FL	
10:30	Welcome and Introduction of the AHA President Nancy Brown, Dallas, TX	
10:35	AHA Presidential Address Steven R Houser, PhD, FAHA, Philadelphia, PA	
10:45	ISC Program Chair Welcome Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC	
10:55	Introduction of the David G Sherman Lecture Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC	
11:00	David G Sherman Lecture: With a Little Help from My Friends: Seeking Consistent and Persuasive Evidence Elliot Clark Haley Jr, MD, FAHA, Charlottesville, VA	
11:20	Head Position in Stroke Trial: An International Cluster Cross-over Randomized Trial LB1 Craig S Anderson, George Inst Global Health, Sydney NSW, Australia On behalf of the HeadPoST Steering Committee, Investigators and Coordinators	
11:32	Aster Trial. Contact Aspiration Versus Stent Retriever Front Line for Recanalisation in Acute Cerebral Infarction LB2  Bertrand Lapergue, Foch Hosp Univ Versailles Saint Quentin en Yvelines, Suresnes, France  Michel Piotin, Dept of Diagnostic and Interventional Neuroradiology, Paris, France	
11:44	Prospective, Multi-Center Study of Flow Diversion for Small and Medium-Sized Aneurysms: Results of the Premier Trial LB3 Ricardo A Hanel, Baptist Neurological Inst, Jacksonville, FL David Kallmes, Mayo Clinic, Rochester, MN	
11:56	Closing Remarks Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC	

Short Break (12 Noon - 12:10 PM)

#### 12:10 pm - 1:30 pm

Science and Technology Hall (Exhibits) / Lunch Break Hall D

# Fellow and Early Career / Stroke Leader Round Table Luncheon Room 361 A-F

(Ticket required; seating is limited.)

Moderator: Sean I Savitz, MD, FAHA, Houston, TX

**Acute Stroke** 

Karen C Johnston, MD, FAHA, Charlottesville, VA

#### Neurointervention

Muhammad Shazam Hussain, MD, FRCPC, Cleveland, OH

#### Neurointervention

Tudor G Jovin, MD, Pittsburgh, PA

#### Neurointervention

Sandra Narayanan, MD, Detroit, MI

#### NINDS / Director of Division of Clinical Research

Clinton B Wright, MD, MS, Bethesda, MD

#### **NINDS / Epidemiology and Trials**

Claudia Moy, PhD, Bethesda, MD

#### Nursing

 ${\it Kenneth \ Reichenbach, \ MSN, \ CRNP, \ Allentown, \ PA}$ 

#### Stroke Basic Science / Immunology

Lauren Sansing, MD, MS, New Haven, CT

#### **Stroke Genetics**

Daniel Woo, MD, MS, Cincinnati, OH

#### **Stroke Imaging**

David S Liebeskind, MD, FAHA, FAAN, Los Angeles, CA

#### Stroke Journal

Karen L Furic, MD, Boston, MA

#### Stroke and Neurocritical Care

Alexander Flint, MD, PhD, Redwood City, CA

#### **Stroke Quality Improvement**

#### Stroke Prevention

Marc I Chimowitz, MD, FAHA, Charleston, SC

#### Stroke Prevention

Hooman Kamel, MD, New York, NY

#### **Stroke Prevention**

Shyam Prabhakaran, MD, Chicago, IL

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# Wednesday, February 22 (1:30 pm - 3:00 pm)

Category	Vascular Cognitive Impairment	Acute Endovascular Treatment
Session Title	VCI Mini-Symposium: Post-stroke Cognitive Impairment: New Clinical and Experimental Therapeutic Insight	What Explains Poor Outcomes in Acute Stroke Despite Good Reperfusion?
Session Type	Invited Symposium	Invited Symposium
Room	Grand Ballroom C	Grand Ballroom A
Moderator(s)	Shawn Whitehead, PhD, London, ON, Canada Philip M Bath, DSc, FMedSci, FRCP, Nottingham, United Kingdom	Michael D Hill, MD, MSc, FRCPC, Calgary, AB, Canada Thanh Nguyen, MD, FRCPC, Boston, MA
1:30	Progession of Cognitive Impairment after Stroke: New Insight from REGARDS  Deborah Levine, MD, MPH, Ann Arbor, MI	Patient Selection: Premorbid Function and Brain Reserve Alejandro Rabinstein, MD, Rochester, MN
1:49	Stroke Risk Factors and Cognitive Impairment: Bench to Bedside Costantino Iadecola, MD, FAHA, New York, NY	Patient Selection: Collateral Status Gregory W Albers, MD, Palo Alto, CA
2:08	Blood Brain Barrier Dysfunction and Cognitive Impairment Gary A Rosenberg, MD, Albuquerque, NM	Conscious Sedation vs General Anesthesia Waleed Brinjikji, MD, BS, Rochester, MN
2:27	Angiotensin Modulation and Post-stroke Cognitive Impairment: Experimental and Clinical Evidence Susan C Fagan, PharmD, FAHA, Augusta, GA	Other Modifiable Factors: Blood Pressure, Blood Sugar, Fever? Sebastian Koch, MD, Miami, FL
2:45	Discussion	Discussion

Category	Community/Risk Factors	Experimental Mechanisms and Models
Session Title	Community/Risk Factors Oral Abstracts I	Experimental Mechanisms and Models Oral Abstracts I
Session Type	Abstract	Abstract
Room	General Assembly B	Room 310 A-C
Moderator(s)	Jennifer Majersik, MD, Salt Lake City, UT Ilana M Ruff, MD, Boston, MA	Jialing Liu, PhD, San Francisco, CA
1:30	Persistent Racial/Ethnic Disparities Despite Declining Rates of Ischemic Stroke Hospitalizations Among Medicare Beneficiaries, 2001-2013 50  Judith H Lichtman, Yale Sch of Public Health, New Haven, CT Ralph L Sacco, Univ of Miami, Miami, FL	Brain-heart Interaction: Age Aggravates Cardiac Damage After Cerebral Ischemic Stroke 57  Kathleen Salmeron, University of Kentucky, Lexington, KY Gregory Bix, Univ of Kentucky, Lexington, KY
1:42	Differences in Stroke Management No Not Account for the Greater Long-term Mortality After Stroke in Women Compared to Men: Australian Stroke Clinical Registry (AuSCR) 51  Hoang T Phan, Menzies Inst for Medical Res, Tasmania, Hobart, Tasmania, Australia Seana Gall, Menzies Inst for Medical Res, Tasmania, Hobart, Tasmania, Australia	Calcium/Calmodulin-dependent Protein Kinase Kinase (CaMKK) Promotes Post-stroke Brain Plasticity and Recovery in Aged Mice 58 Han-Gil Jeong, Seoul Natl Univ Bundang Hosp, Seoul, Korea, Republic of Hee-Joon Bae, Seoul Natl Univ Bundang Hosp, Seoul, Korea, Republic of
1:54	Contributors to the Rural Excess in Stroke Mortality: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study 52 George Howard, Univ Alabama Birmingham, Birmingham, AL Virginia J Howard, Univ Alabama Birmingham, Birmingham, AL	Post-stroke Delivery of Microrna-363 to Middle-aged Female Rats is Internalized by Neurons and Suppresses the Cell Death Effector Pathway 59  Danielle Edwards, University of Kentucky, Lexington, KY  Greg J Bix, Univ of Kentucky, Lexington, KY
2:06	Changes in Physical Activity and Risk of Stroke in the California Teachers Study 53 Joshua Z Willey, Columbia Univ, New York, NY Ying K Cheung, Columbia Univ, New York, NY	Inter-alpha Inhibitor Proteins Reduce the Quantity of Microglia in the Hippocampus After Hypoxic-ischemic Brain Injury in the Neonate 60 Adriel Barrios-Anderson, The Warren Alpert Medical Sch of Brown Univ, Providence, RI Barbara S Stonestreet, The Warren Alpert Medical Sch of Brown Univ, Providence, RI
2:18	APOE Genotype Modifies the Effect of Blood Pressure on Long-term Clinical Deterioration Following Intracerebral Hemorrhage 54 Alessandro Biffi, Massachusetts General Hosp, Boston, MA Jonathan Rosand, Massachusetts General Hosp, Boston, MA	A Novel Catalytic Antioxidant Carbon Nanoparticle Improves Outcome in Hyperglycemic Stroke in Rats at Clinically Relevant Recanalization Times 61  Thomas A Kent, Baylor Coll of Med, Houston, TX  Pitchaiah Mandava, Baylor Coll of Med, Houston, TX
2:30	An Integrated Stroke Practice Unit Model Can Impact Blood Pressure  Management Post-Stroke 55  Kenneth Gaines, Vanderbilt Univ Medical Ctr, Nashville, TN	Sanguinate <sup>™</sup> Opens Collaterals, Improves Reperfusion and Decreases Infarct in Hypertensive Rats 62 Marilyn Cipolla, Univ of Vermont, Burlington, VT Siu-Lung Chan, Univ of Vermont, Burlington, VT
2:42	An Exome Array Analysis of Ischemic Stroke in the Genetics of Early Onset Stroke Study 56 John W Cole, Maryland Stroke Ctr, Baltimore, MD Huichin Xu, Maryland Stroke Ctr, Baltimore, MD	White Matter Damage and Glymphatic Dysfunction in a Vascular Dementia  Model in Mice 63  Poornima Venkat, Henry Ford Hosp, Detroit, MI  Jieli Chen, Henry Ford Hosp, Detroit, MI
2:54	Discussion	Discussion

Science and Technology Hall (Exhibits)/Break, Hall D (3:00 pm - 3:30 pm)

Case Study: The Complex Acute Ischemic Stroke Case: Options for Evaluation and Intervention
Kevin Cockroft, MD, MSc, FACS, Hershey, PA
Science and Technology Hall, Booth 541, Expert Theater

### Wednesday, February 22 (1:30 pm - 3:00 pm)

Category	Clinical Rehabilitation and Recovery	
Session Title	New Models of Stroke Rehabilitation: Lessons from Recent Global Research	
Session Type	Invited Symposium	
Room	General Assembly A	For changes to the program made since the Final Program went
Moderator(s)	Richard Lindley, MD, FRACP, Sydney, Australia Peter Langhorne, PhD, Glasgow, United Kingdom	to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the
1:30	<b>Opening Remarks</b> Peter Langhorne, PhD, Glasgow, United Kingdom	Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.
1:40	Nurse-led Family Provided Rehabilitation in Rural China: the RECOVER Trial Janet Prvu Bettger, ScD, FAHA, Durham, NC	The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest
1:55	Family-led Rehabilitation after Stroke in India: The ATTEND Trial Jeyaraj D Pandian, MD, DM, FRACP, FRCP, FESO, Ludhiana, India	information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting
2:10	Implementation of Interdisciplinary Community-based Rehabilitation in the USA Joan C Breen, MD, Bradford, MA	Guide app, or the ISC abstracts online in the <i>Stroke</i> journal.  The number listed immediately after the abstract's title is the
2:25	Early Supported Discharge Services: Lessons from Implementation in the United Kingdom Rebecca Fisher, PhD, Nottingham, United Kingdom	abstract's presentation number.
2:40	Discussion	

Category	In-hospital Treatment	Preventive Strategies
Session Title	In-hospital Treatment Oral Abstracts	Preventive Strategies Oral Abstracts
Session Type	Abstract	Abstract
Room	General Assembly C	Grand Ballroom B
Moderator(s)	Panayiotis Mitsias, MD, PhD, Detroit, MI	Gary A Ford, MB, ChB, MA, MRCP, FESC, Oxford, United Kingdom Anjail Sharrief, MD, Houston, TX
1:30	Glucocorticoid-associated Worsening in Reversible Cerebral Vasoconstriction Syndrome (RCVS): primum non nocere! 64 Aneesh B Singhal, Massachusetts General Hosp, Boston, MA Mehmet A Topcuoglu, Hacetteppe Univ, Ankara, Turkey	PFO Closure Reduces Long Term Recurrence of Ischemic Stroke: Final Primary and Secondary Population Results From the RESPECT Multicenter Trial 71  David Thaler, Tufts Medical Ctr, Boston, MA  David Tirschwell, UW Med Stroke Ctr, Seattle, WA
1:42	Effects of Immediate Blood Pressure Reduction on Two-Year Mortality and Major Disability in Patients with Acute Ischemic Stroke 65 Jiang He, Tulane Univ, New Orleans, LA Jing Chen, Tulane Univ, New Orleans, LA	Procedural and Long Term Safety of PFO Closure in Cryptogenic Stroke: Insights from the RESPECT Trial 72 John Carroll, Univ of Colorado, Denver, CO David Tirschwell, Univ of Washington Medical Ctr, Seattle, WA
1:54	Dynamics of Statin Use and Outcomes After Recanalization Treatment for Acute Ischemic Stroke: When, How Much and for Whom? 66  Han-Gil Jeong, Seoul Natl Univ Bundang Hosp, Seoul, Korea, Republic of Hee-Joon Bae, Seoul Natl Univ Bundang Hosp, Seoul, Korea, Republic of	Risk of Paradoxical Embolism (RoPE) Score Stratification of Pooled Pfo Closure Clinical Trial Data: Lack of Evidence for Improvement in Patient Selection for Closure 73 David E Thaler, Tufts Medical Ctr/Tufts Univ Sch of Med, Boston, MA David M Kent, Tufts Medical Ctr/Tufts Univ Sch of Med, Boston, MA
2:06	Blood Biomarkers for Prediction of Cardiac Complications in the Stroke Unit 67 Alejandro Bustamante, Inst de Recerca, Hosp Univri Vall d'Hebron, Barcelona, Spain Joan Montaner, Inst de Recerca, Hosp Univri Vall d'Hebron, Barcelona, Spain	Obesity and the Risk of Recurrent Vascular Events in Patients with Ischemic Stroke: Insights from the Insulin Resistance Intervention after Stroke (IRIS) Trial 74  Jennifer L Dearborn, Yale Univ Sch of Med, New Haven, CT Walter N Kernan, Yale Univ Sch of Med, New Haven, CT
2:18	Bedside Dysphagia Screening Tool Validation Study 68 Barbara A Schumacher Finnegan, Kaiser Permanente, Redwood City, CA Mai N Nguyen-Huynh, Kaiser Permanente, Walnut Creek, CA	Bleeding and Ischemic Stroke Risk in Patients with Atrial Fibrillation Standard or Low Dose Dabigatran and Concomitant P-gp Inhibitors 75  Mary Vaughan Sarrazin, Univ of Iowa, Iowa City, IA  Elizabeth Chrischilles, Univ of Iowa, Iowa City, IA
2:30	Distinct Grouping of Systolic Blood Pressure Trajectories During the First 24 Hours After Stroke Admission and Their Outcomes 69 Beom Joon Kim, Seoul Natl Univ Bundang Hosptial, Seongnam-si, Korea, Republic of Hee-Joon Bae, Seoul Natl Univ Bundang Hosptial, Seongnam-si, Korea, Republic of	Long-term Regular Remote Ischemic Conditioning Promotes Arterial Collateral Opening and Reconstruction in Patients with Intracranial Atherosclerotic Stenosis 76 Ran Meng, Xuanwu Hosp, Beijing, China Xunming Ji, Xuanwu Hosp, Capital Medical Univ, Beijing, China
2:42	Importance of Both Self-consent and Proxy-consent Enrollments to Avoid Bias in Acute Stroke Randomized Trials 70 Nelson Wu, Univ of California, Los Angeles, CA Jeffrey L Saver, Univ of California, Los Angeles, CA	Intensity of Blood Pressure Reduction and Secondary Stroke Prevention: A Systematic Review and Meta-regression Analysis of Randomized Clinical Trials 77 Georgios Tsivgoulis, Attikon Univ Hosp, Univ of Athens, Athens, Greece Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN
2:54	Discussion	Discussion

Science and Technology Hall (Exhibits)/Break, Hall D (3:00 pm – 3:30 pm)

Case Study: The Complex Acute Ischemic Stroke Case: Options for Evaluation and Intervention
Kevin Cockroft, MD, MSc, FACS, Hershey, PA
Science and Technology Hall, Booth 541, Expert Theater

## Wednesday, February 22 (3:30 pm – 5:00 pm)

Category	Preventive Strategies	Community/Risk Factors
Session Title	Burden of Stroke in the Americas (an AHA/ASA and Pan American Health Organization Joint Session)	Genetic Discoveries Are Finally Yielding Novel Treatments for Stroke: The Dawn of the Genomic Era for Stroke
Session Type	Invited Symposium	Invited Symposium
Room	Grand Ballroom C	Grand Ballroom A
Moderator(s)	Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI Francisco R Klein, MD, Capital, Argentina	Sudha Seshadri, MD, Boston, MA Jonathan Rosand, MD, Boston, MA
3:30	Burden of Stroke and Vascular Risk Factors in Latin America Pablo Lavados, MD, MPH, Santiago, Chile	Inhibiting HDAC to Prevent Atherosclerosis Martin Dichgans, MD, Munich, Germany
3:49	Regional Gaps in Stroke Care in Latin America Fernando Gongora-Rivera, MSc, MD, Monterrey, Mexico	FOXF2: Outfoxing Cerebral Small Vessel Disease Myriam Fornage, MD, Houston, TX
4:08	The Declaration of Santiago: A Road Map to Improve Stroke Care in Latin America Salvador Cruz-Flores, MD, MPH, FAHA, EI Paso, TX	Genetic Dissection of Hereditary Cerebral Small Vessel Disease Douglas Gould, PhD, San Francisco, CA
4.27	Implementing the Declaration of Santiago: A PAHO/WSO Perspective Pedro Ordunez, PhD, MD, Washington, DC	Can Genetic Testing for Stroke Survivors Reduce Their Risk of Stroke Recurrence? Alessandro Biffi, MD, Boston, MA
4:45	Discussion	Discussion

Category	Diagnosis of Stroke Etiology	Health Services, Quality Improvement, and Patient-centered Outcomes
Session Title	Diagnosis of Stroke Etiology Oral Abstracts I	Health Services, Quality Improvement, and Patient-centered Outcomes Oral Abstracts I
Session Type	Abstract	Abstract
Room	Grand Ballroom B	General Assembly C
Moderator(s)	Teruyuki Hirano, MD, Mitaka, Japan Hooman Kamel, MD, New York, NY	Eric E Smith, MD, Calgary, AB, Canada Devin Brown, MD, Ann Arbor, MI
3:30	Incidence of Atrial Fibrillation Among Patients with an Embolic Stroke of Undetermined Source 78  Rod S Passman, Northwestern Univ Feinberg Sch of Med, Chicago, IL Paul D Ziegler, Medtronic, Mounds View, MN	Drip 'n Ship vs. Mothership for Endovascular Treatment: Modeling the Best Transportation Options for Optimal Outcomes in California and Alberta 85 Noreen Kamal, Univ of Calgary, Calgary, AB, Canada
3:42	30-Day Cardiac Monitoring is Feasible and Effective in a Community Setting 79  Manu Mehdiratta, Trillium Health Partners, Mississauga, ON, Canada  Yael Perez, Trillium Health Partners, Mississauga, ON, Canada	Progress in Achieving More Rapid Door-to-needle Times in Acute Ischemic Stroke: Interim Findings from Target: Stroke Phase II 86 Eric Smith, Univ of Calgary, Calgary, AB, Canada Lee Schwamm, Massachusetts General Hosp, Boston, MA
3:54	Left Atrial Structural and Functional Parameters in Ischemic Stroke Patients Show Differences in Cardioembolic Versus Embolic Strokes of Unknown Source (ESUS) and Other Determined Causes: Rethinking Whether ESUS Patients Should be Treated as Cardioembolic 80 Melanie Winningham, Emory Univ, Atlanta, GA Fadi Nahab, Emory Univ, Atlanta, GA	Centralization of Acute Stroke Treatment was Associated with a Reduction in Length of Acute Hospital Stay 87 Grethe Andersen, Aarhus Univ Hosp, Aarhus, Denmark
4:06	Brain Natriuretic Peptides Identifies Stroke Patients Who Benefit From Prolonged and Enhanced Monitoring for Af Detection - A Subgroup Analysis of Find-AF Randomised 81  Rolf Wachter, Klaus Gröschel, Univ of Goettingen, Göttingen, Germany Mark Weber-Krüger, Univ of Goettingen, Göttingen, Germany	No Disparities in Acute Stroke Treatment in Kaiser Stroke EXPRESS Program 88  Jeffrey G Klingman, Kaiser Permanente, Walnut Creek, CA  Mai N Nguyen-Huynh, Kaiser Permanente, Oakland, CA
4:18	Diastolic Dysfunction Revealed by Transesophageal Echocardiography Predicts New Atrial Fibrillation During Hospitalization for Acute Ischemic Stroke 82 Yohei Tateishi, Nagasaki Univ Hosp, Nagasaki, Japan Akira Tsujino, Nagasaki Univ Hosp, Nagasaki, Japan	Differences in Acute Stroke Care in Primary and Comprehensive Stroke Centers in Florida: An Analysis of the Florida-Puerto Rico Collaboration to Reduce Stroke Disparities (FL-PR CReSD) Study - the NINDS Stroke Prevention Intervention Research Program 89 Erika T Marulanda-Londoño, Univ of Miami, Miami, FL Jose G Romano, Univ of Miami, Miami, FL
4:30	Etiology of Late Right-to-left Shunting on Transcranial Doppler in Ischemic Stroke Patients 83 Adam de Havenon, Univ of Utah, Salt Lake City, UT David Tirschwell, Univ of Washington, Seattle, WA	Cost-Benefit Comparison of Inpatient Versus Clinical Decision Unit Management of TIA 90  Deepak Nair, INI Comprehensive Stroke Ctr, Peoria, IL David Wang, INI Comprehensive Stroke Ctr, Peoria, IL
4:42	Ischemic and Hemorrhagic Stroke in Infective Endocarditis: Features, Predictors and Trends Over Three Decades 84  Aneesh B Singhal, Massachusetts General Hosp, Boston, MA	An Objective Screening Tool Predicts Surgical Feeding Tube Placement in Acute Ischemic Stroke Patients 91 Kristin Brown, Univ of Texas Health Science Ctr at Houston, Houston, TX Anjail Sharrief, Univ of Texas Health Science Ctr at Houston, Houston, TX
	Discussion	Discussion

## Wednesday, February 22 (3:30 pm - 5:00 pm)

Category	Vascular Malformations	Basic and Preclinical Neuroscience of Stroke Recovery
Session Title	<b>Multimodality Treatment for Arteriovenous Malformations</b>	Beyond the Brain: Systemic Effects of Stroke
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly B	General Assembly A
Moderator(s)	Mika Niemela, MD, PhD, Helsinki, Finland Elad I Levy, MD, MBA, FACS, FAHA, Buffalo, NY	MingMing Ning, MD, Boston, MA Yejie Shi, MD, PhD, Pittsburgh, PA
3:30	Multimodality Treatment for Arteriovenous Malformations: Surgical Perspective Michael Lawton, MD, San Francisco, CA	(3:30) Session Introduction and Overview Keith R Pennypacker, PhD, Lexington, KY
3:49	Multimodality Treatment for Arteriovenous Malformations: Endovascular Perspective Sean Lavine, MD, FAANS, New York, NY	(3:40) Unexpected Benefit of Inflammatory Cytokines in Stroke Gregory J Bix, MD, PhD, Lexington, KY
4:08	Multimodality Treatment for Arteriovenous Malformations: Radiosurgery Perspective Steven D Chang, MD, Palo Alto, CA	(3:59) Microglia and Macrophages Contribute to Stroke Recovery Xiaoming Hu, MD, Pittsburgh, PA
4:27	Multimodality Treatment for Arteriovenous Malformations: Combined Approach M Christopher Wallace, MD, MSc, FRCSC, Kingston, ON, Canada	(4:18) Peripheral Leukocyte Contributions to Intracerebral Hemorrhage Recovery Lauren Sansing, MD, MS, New Haven, CT
4:45	Discussion	(4:37) Post-stroke T Cell Polarization by the Gut Microbiome Arthur Liesz, MD, PhD, Munich, Germany
4:45		(4:55) Discussion

Category	Vascular Cognitive Impairment	
Session Title	VCI Mini-Symposium: Vascular Cognitive Impairment Oral Abstracts	
Session Type	Abstract	
Room	Room 310 A-C	
Moderator(s)	TBD	
3:30	Detection of Radiologic and Laboratory Features of Cerebral Amyloid Angiopathy in Patients with Alzheimer's Disease 92 Panagiotis Fotiadis, Massachusetts General Hosp, Boston, MA M Edip Gurol, Massachusetts General Hosp, Boston, MA	
3:42	Newly-diagnosed Depression Precedes Cognitive Impairment Following Intracerebral Hemorrhage 93 Alessandro Biffi, Massachusetts General Hosp, Boston, MA Jonathan Rosand, Massachusetts General Hosp, Boston, MA	For changes to the program made since the Final Program went to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.
3:54	Prevalence and Distinct Imaging Correlates of Deep Versus Lobar Cerebral Microbleeds: The Atherosclerosis Risk in Communities Study 94 Jonathan Graff-Radford, Mayo Clinic, Rochester, MN David S Knopman, Mayo Clinic, Rochester, MN	The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest
4:06	Nutrition and Cognitive Decline Over 21-years: Results from the Atherosclerosis Risk in Communities Study (ARIC) 95 Jennifer L Dearborn, Yale Univ Sch of Med, New Haven, CT Rebecca F Gottesman, Johns Hopkins Sch of Med, New Haven, MD	information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the ISC abstracts online in the <i>Stroke</i> journal.  The number listed immediately after the abstract's title is the
4:18	Effects of Exercise on Post-stroke Cognitive Function 96  Lauren E Oberlin, Univ of Pittsburgh, Pittsburgh, PA  Kirk I Erickson, Univ of Pittsburgh, Pittsburgh, PA	abstract's presentation number.
4:30	Increased Plasma Level of ApoCIII-rich Electronegative HDL May Contribute to Cognitive Impairment in Alzheimer's Disease 97 Hua-Chen Chan, Kaohsiung Medical Univ Hosp, Kaohsiung, Taiwan Chu-Huang Chen, Texas Heart Inst, Houston, TX	
4:42	Midlife Vascular Risk Factors and Incident Dementia in the ARIC Cohort 98  Rebecca F Gottesman, Johns Hopkins Univ, Baltimore, MD  David S Knopman, Mayo Clinic, Rochester, MN	
4:54	Discussion	
	Short Break (5:00 pm - 5	5:15 pm)

#### 5:15 pm - 6:45 pm

Poster Sessions
Poster Hall, Hall E

#### 5:15 pm - 6:15 pm

**Professor-Led Poster Tours by Category:** 

**Brief Presentation and Moderated Q&A with Poster Presenters** 

Moderated Posters WMP1 - WMP120; see pg 50 in the Poster Abstract index for a complete listing of all the posters in the Wednesday Professor-Led Poster Tour session.

#### 6:15 pm - 6:45 pm

**Regular Poster Session:** 

One-on-One Time for an Individual Q&A with Poster Presenters

These posters are not included in the 5:15 Professor-Led Poster Tour Session above.

Posters WP1 – WP451; see pg 57 in the Poster Abstract index for a complete listing of all the posters in this Wednesday session.

Late-Breaking Science Posters LBP1 – LBP37; see pg 79 in the Poster Abstract index for a complete listing of all the Late-Breaking Science posters in this Wednesday session.

FAHAs and other stroke leaders – please be sure to show your support for young investigators and attend the poster sessions.

#### 6:45 pm - 7:30 pm

**Stroke Council Annual Business Meeting** 

Poster Hall, Hall E

All Stroke Council Members are welcome and encouraged to attend.

The Stroke Council will hold its Annual Business Meeting on Wednesday, February 22 from  $6:45~\mathrm{pm}-7:30~\mathrm{pm}$  in the George R Brown Convention Center, Poster Hall, Hall E. Remain in the Poster Hall after the poster sessions to enjoy refreshments, hear the latest council news, network with your peers and participate in informative discussions.

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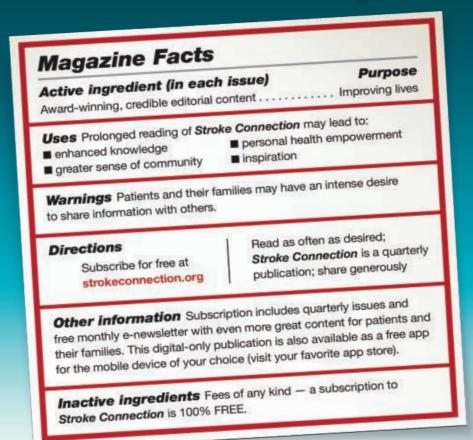




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### Thursday, February 23 (7:00 am - 8:30 am)

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	Intracerebral Hemorrhage	
Session Title	Debates in ICH	
Session Type	Debate	
Room	Grand Ballroom C	
Moderator(s)	Magdy Selim, MD, PhD, FAHA, Boston, MA Kyra J Becker, MD, FAHA, Seattle, WA	
7:00	Is There a Role of Platelet Transfusion in Antiplatelet-associated ICH: No Yvo Roos, MD, PhD, Amsterdam, Netherlands	
7:10	Is There a Role of Platelet Transfusion in Antiplatelet-associated ICH: Yes/Maybe Matthew Maas, MD, Chicago, IL	
7:20	<b>Rebuttal</b> Yvo Roos, MD, PhD, Amsterdam, Netherlands	
7:22	<b>Rebuttal</b> Matthew Maas, MD, Chicago, IL	
7:24	Discussion	
7:29	Intensive BP Lowering in ICH: To Do or Not To Do? Yes Craig Anderson, MD, PhD, Sydney NSW, Australia	
7:39	Intensive BP Lowering in ICH: To Do or Not To Do? No/Maybe  Adnan I Qureshi, MD, Minneapolis, MN	
7:49	Rebuttal Craig Anderson, MD, PhD, Sydney NSW, Australia	
7:51	<b>Rebuttal</b> Adnan I Qureshi, MD, Minneapolis, MN	
7:53	Discussion	
7:58	The Role of Intraventricular t-PA in IVH Post-CLEAR III: Yes Wendy Ziai, MD, FRCPC, Baltimore, MD	
8:08	The Role of Intraventricular t-PA in IVH Post-CLEAR III: No/Maybe Andreas Kramer, MD, MSc, FRCPC, Calgary, AB, Canada	
8:18	<b>Rebuttal</b> Wendy Ziai, MD, FRCPC, Baltimore, MD	
8:20	Rebuttal Andreas Kramer, MD, MSc, FRCPC, Calgary, AB Canada	
8:22	Discussion	
	Short Break (8:30 am – 8:45 am)	

Short Break (8:30 am – 8:45 am)		
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## Thursday, February 23 (7:00 am - 8:30 am)

Category	Acute Endovascular Treatment	Experimental Mechanisms and Models
Session Title	Increasing Access to Mechanical Thrombectomy for Acute Stroke	Molecular Neuroimaging for Translational Stroke Research
Session Type	Invited Symposium	Invited Symposium
Room	Grand Ballroom A	General Assembly A
Moderator(s)	Dileep R Yavagal, MD, Miami, FL Phillip Scott, MD, FAHA, Ann Arbor, MI	Martin Dichgans, MD, Munich, Germany Eric E Smith, MD, MPH, Calgary, AB, Canada
7:00	<b>Introduction</b> Dileep R Yavagal, MD, Miami, FL	(7:00) Molecular MR Imaging of Neuroinflammation  Denis Viven, MD, Caen, France
7:10	Demand and Supply for Mechanical Thrombectomy for Acute Stroke Osama O Zaidat, MD, MS, FAHA, FAAN, Toledo, OH	(7:19) Molecular Neuroimaging in Clinical Research and Practice
7:25	Strategies for Increasing Access to Mechanical Thrombectomy in the US and Worldwide Markku Kaste, MD, PhD, FESO, FAHA, Helsinki, Finland	M Edip Gurol, MD, MSc, Boston, MA
7:40	Pre-Hospital Triage for Rapid and Maximum Access to Mechanical Thrombectomy Edward C Jauch, MD, MS, FAHA, FACEP, Charleston, SC	(7:38) Molecular MRI Methods Louise van der Weerd, PhD, Leiden, Netherlands
7:55	Can Telestroke Increase Access to Mechanical Thrombectomy? Telestroke and Mechanical Thromectomy in 2017  Lee H Schwamm, MD, FAHA, FANA, Boston, MA	(7:57) Imaging Acute and Chronic Arterial Thrombosis Dong-Eog Kim, MD, PhD, Goyang, Korea, Republic of
8:10	Discussion	(8:15) Discussion

Category	Clinical Rehabilitation and Recovery	Diagnosis of Stroke Etiology
Session Title	Clinical Rehabilitation and Recovery Oral Abstracts II	Diagnosis of Stroke Etiology Oral Abstracts II
Session Type	Abstract	Abstract
Room	General Assembly B	General Assembly C
Moderator(s)	Richard Harvey, MD, Chicagok, IL Janet Prvu Bettger, ScD, FAHA, Durham, NC	David Liebeskind, MD, FAHA, FAAN, Los Angeles, CA William Meurer, MD, Ann Arbor, MI
7:00	Prep2: A Refined Algorithm for Predicting REcovery Potential of Upper Limb Function After Stroke 99 Cathy M Stinear, Univ of Auckland, Auckland, New Zealand P Alan Barber, Univ of Auckland, Auckland, New Zealand	High Red Blood Cell Components of Retrieved Clot Related with Recanalization During Intraarterial Thrombectomy 106  Jong Wook Shin , Chungnam Natl Univ Hosp, Dae-jeon, Korea, Republic of Jei Kim, Chungnam Natl Univ Hosp, Dae-jeon, Korea, Republic of
7:12	A Simple Bedside Grading Scale Can Effectively Predict Severe Post-stroke Upper-extremity Spasticity 100 Hernan F Bayona, Medical Univ of South Carolina, Charleston, SC Wayne Feng, Medical Univ of South Carolina, Charleston, SC	Laser Angioscopy Reveals Concealed Ulcers in Substenotic Carotid Plaques in Cryptogenic Stroke Patients: A Preclinical Study 107 Luis E Savastano, Univ of Michigan, Ann Arbor, MI Byron Gregory Thompson, Univ of Michigan, Ann Arbor, MI
7:24	Predicting Motor Recovery at One Week After Ischemic Stroke: a Combined Transcranial Magnetic Stimulation and MRI Study 101 Yukako Takahashi, Natl Cerebral and Cardiovascular Ctr Hosp, Osaka, Japan Masafumi Ihara, Natl Cerebral and Cardiovascular Ctr Hosp, Osaka, Japan	Additional Value of Intracranial Vessel Wall Imaging to Determine the Etiology of Ischemic Stroke 108  Joanna D Schaafsma, Toronto Western Hosp, Toronto, ON, Canada Daniel M Mandell, Toronto Western Hosp, Toronto, ON, Canada
7:36	NIHSS Lacks Validity and Sensitivity in Postacute Stroke 102 Brittani Basobas, The Ohio State Univ, Columbus, OH Stephen Page, The Ohio State Univ, Columbus, OH	Non-invasive Detection of Capillary Arteriovenous Shunting in Patients With Sickle Cell Anemia 109 Meher R Juttukonda, Vanderbilt Univ Medical Ctr, Nashville, TN Lori C Jordan, Vanderbilt Univ Medical Ctr, Nashville, TN
7:48	A Phase I Current Escalation Study for Transcranial Direct Current Stimulation in Ischemic Stroke Patients 103  Pratik Y Chhatbar, Medical Univ of South Carolina, Charleston, SC Wuwei Feng, Medical Univ of South Carolina, Charleston, SC	Caveolin-1 and Arterial Remodeling in Adult Moyamoya Disease 110 Jong-Won Chung, Samsung Medical Ctr, Seoul, Korea, Republic of Oh Young Bang, Samsung Medical Ctr, Seoul, Korea, Republic of
8:00	Navigated Brain Stimulation for Upper Limb Recovery After Stroke: A Randomized Sham Controlled Clinical Trial of Low Frequency r-TMS to Non-injured Hemisphere Combined With Upper Limb Rehabilitation 104 Richard L Harvey, Rehabilitation Inst of Chicago, Chicago, IL Jarmo Laine, Nexstim Corp, Helsinki, Finland	Plasma Levels of Oxidative Stress Marker ADMA (Asymmetric Dimethylarginin is Reduced by Successful PFO Closure 111 Wenjun Deng, Massachusetts General Hosp, Boston, MA MingMing Ning, Massachusetts General Hosp, Boston, MA
8:12	Early But Not Too Early, High Intensity Physical Exercise Rehabilitation May Be Beneficial: A Pilot Clinical Study 105 Yanna Tong, Capital Medical Univ, Beijing, China Yuchuan Ding, Wayne State Univ Sch of Med, Detroit, MI	Recrudescence of Neurological Deficits After Stroke: Clinical-imaging Phenotype, Triggers and Risk Factors 112 Aneesh B Singhal, Massachusetts General Hosp, Boston, MA Mehmet A Topcuoglu, Hacetteppe Univ, Ankara, Turkey
8:24	Discussion	Discussion

## Thursday, February 23 (7:00 am - 8:30 am)

Category	Emergency Care/Systems	Vascular Malformations
Session Title	Emergency Care/Systems Oral Abstracts II	Vascular Malformations Oral Abstracts
Session Type	Abstract	Abstract
Room	Grand Ballroom B	Room 310 A-C
Moderator(s)	Peter Panagos, MD, St Louis, MO Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA	Rose Du, MD, PhD, Boston, MA Ketan Bulsara, MD, New Haven, CT
7:00	Streamlined Workflows for Triage and Transfer Reduce Door-to-Puncture Time in Mechanical Thrombectomy 113 Akash P Kansagra, Washington Univ, St Louis, MO Colin P Derdeyn, Univ of Iowa, Iowa City, IA	Radiocarbon Birth Dating of Cerebral Arteriovenous Malformations 120 Daniel L Cooke, Univ of California San Francisco, San Francisco, CA Nima Etminan, Univsmedizin Mannheim, Mannheim, Germany
7:12	24/7 Stroke Nurse Team Coverage Reduced Door-to-needle Time and Improved Tissue Plasminogen Activator Utilization Rates in a Stroke Level 1  Community Hospital 114  Zohaib Haque, PsychCare Consultants, St Louis, MO  Maheen Malik, St Anthony's Medical Ctr, St Louis, MO	Transcriptome Profiling of Laser-Capture Microdissected Endothelial Cells From Human Cerebral Cavernous Malformations 121 Hussein Zeineddine, Univ of Chicago, Chicago, IL Issam Awad, Univ of Chicago, Chicago, IL
7:24	Early Vessel Imaging at Primary Stroke Centers Improves Clinical Outcomes of Patients Transferred for Thrombectomy 115 Ryan A McTaggart, Rhode Island Hosp, Providence, RI Mahesh Jayaraman, Rhode Island Hosp, Providence, RI	Transit Time on Digital Subtraction Angiography Correlates with Cerebral Arteriovenous Malformation Flow Measured by Quantitative Magnetic Resonance Angiography 122  Denise Brunozzi, Univ of Illinois at Chicago, Chicago, IL Ali Alaraj, Univ of Illinois at Chicago, Chicago, IL
7:36	Minorities, Women, and Stroke Belters Left Behind in t-PA Use Despite Quality Improvement Efforts 116  Tracy E Madsen, Warren Alpert Medical Sch of Brown Univ / Rhode Island Hosp, Providence, RI  Toby Gropen, Univ of Alabama at Birmingham, Birmingham, AL	Outcomes and Complications of Aruba-eligible Cerebral Arteriovenous  Malformation Patients Treated at Cleveland Clinic 123  Min Lang, Cleveland Clinic, Cleveland, OH  Mark D Bain, Cleveland Clinic, Cleveland, OH
7:48	Optimizing Triage in Patients with Acute Ischemic Stroke Initially Transported to Non-thrombectomy Centers 117 Gregoire Boulouis, Massachusetts General Hosp, Boston, MA Lee Schwamm, Massachusetts General Hosp, Boston, MA	Plasma Biomarkers of Inflammation Reflect Seizures and Hemorrhagic Activity of Cerebral Cavernous Malformations 124 Romuald Girard, Univ Of Chicago, Chicago, IL Issam A Awad, Univ Of Chicago, Chicago, IL
8:00	Paramedic-Administered Los Angeles Motor Scale Identifies Ischemic Stroke with Large Vessel Occlusion and Intracranial Hemorrhage for Routing to Comprehensive Stroke Centers and Compares Favorably to Other Screening Methods 118 Ali Reza Noorian, UCLA and KP OC, Los Angeles, CA Jeffrey L Saver, UCLA, Los Angeles, CA	Increased Endothelial Endoglin Gene Deletion and Co-deletion of EphrinB2 Enhance Brain Arteriovenous Malformation in Mice 125 Rui Zhang, Univ of California, San Francisco, San Francisco, CA Hua Su, Univ of California, San Francisco, San Francisco, CA
8:12	Magnitude of Benefit of Prehospital Mobile Stroke Unit vs Conventional ED Thrombolysis: Preliminary Estimate Based on PHANTOM-S Observational Registry Study 119 May Nour, Univ of California, Los Angeles, CA Jeffrey L Saver, Univ of California, Los Angeles, Los Angeles, CA	Phenotypic Features of Murine Models of Cerebral Cavernous Malformations 126  Hussein Zeineddine, Univ of Chicago, Chicago, IL Issam Awad, Univ of Chicago, Chicago, IL
8:24	Discussion	Discussion

Short Break (8:30 am – 8:45 am)

## Thursday, February 23 (8:45 am - 10:15 am)

Category	Acute Nonendovascular Treatment	
Session Title	Decision Making for Reperfusion Therapies in Acute Stroke	CED (Cerebrovascular Education and Discovery) Talks
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly A	Grand Ballroom C
Moderator(s)	Gary A Ford, MD, Oxford, United Kingdom Lee H Schwamm, MD, FAHA, Boston, MA	Bruce Orbiagele, MD, MSc, FAHA, Charleston, SC Miguel Perez-Pinzon, PhD, FAHA, Miami, FL
8:45	Influences on Clinical Decision Making in Stroke Gustavo Saposnik, MD, MSc, FAHA, FRCPC, Toronto, ON, Canada	(8:45) Exosomes as a Restorative Treatment for Stroke Michael Chopp, PhD, FAHA, Detroit, MI
9:04	Shared Decision Making Richard Lindley, MD, Sydney, Australia	(9:08) Sex Differences in Stroke: From Molecules to Women Patricia D Hurn, PhD, RN, FAHA, Ann Arbor, MI
9:23	Support Decision Instruments for Acute Stroke Peter McMeekin, PhD, Newcastle, United Kingdom	(9:31) Rebuilding Function after Stroke
9:42	9:42 Cost-effectiveness Models and Decision Making for Acute Stroke Care Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA  10:00 Discussion	Robert Adams, MD, MS, FAHA, Charleston, SC
		(9:54) Penumbral Selection for Reperfusion Therapy: It's About Brain!
10:00		Stephen M Davis, MD, FRCP, Edin FRACP, FAHA, Victoria, Australia

Category	Health Services, Quality Improvement, and Patient-Centered Outcomes	Emergency Care Systems
Session Title	Implementation of Acute Stroke Therapies Worldwide: Status, Possibilities and Obstacles (an AHA/ASA and World Stroke Organization Joint Session)	Pre-hospital Systems of Care to Improve tPA Ttreatment Rates and Speed: Telemedicine and Mobile Stroke Units
Session Type	Invited Symposium	Invited Symposium
Room	Grand Ballroom A	General Assembly B
Moderator(s)	Ralph L Sacco, MD, FAHA, FAAN, Miami, FL Werner Hacke, MD, PhD, FAHA, Heidelberg, Germany	James C Grotta, MD, FAHA, Houston, TX Heinrich J Audebert, MD, Berlin, Germany
8:45	Introduction Werner Hacke, MD, PhD, FAHA, Heidelberg, Germany	(8:45) Introduction  James C Grotta, MD. FAHA, Houston, TX
8:50	Implementation of Services in High Income Countries: Far from Perfect!  Werner Hacke, MD, PhD, FAHA, Heidelberg, Germany	(8:50) Telemedicine Muhammad Shazan Hussain, MD, FRPC, Cleveland, OH
9:02	The WSO Tool Kit: A Blueprint for Advancing Stroke Services on Every Level	<b>(9:00) Telemedicine</b> Tzu-Ching Wu, MD, Houston, TX
	M Patrice Lindsay, BScN, PhD, Ottawa, ON, Canada	(9:10) Establishing a MSU
9:14	Progress in Stroke Unit Care in Vietnam: A 5-Year Success Story Thang H Nguyen, MD, PhD, Ho Chi Minh, Viet Nam	Stephanie Parker, RN, BSN, Houston, TX
9:26	South America: Major Regional Differences and Still a Lot to Do	(9:20) Establishing a MSU James C Grotta, MD, FAHA, Houston, TX
9.20	Sheila Martins, PhD, MD, Porto Alegre, Brazil	(9:30) Outcomes of Pre-hospital Management Heinrich J Audebert, MD, Berlin, Germany
9:38	The ESO Eastern Europe Project Valeria Caso, PhD, MD, FESO, Perugia, Italy	(9:40) Selection of Patients for Intra-arterial Therapy (IAT) Andrei V Alexandrov, MD, Memphis, TN
9:50	Creating Stroke Services for More than a Billion Inhabitants Jeyaraj D Pandian, MD, DM, FRACP, FRCP, FESO, Ludhiana, India	(9:50) Other Applications of a MSU besides TPA Ken Uchino, MD, Cleveland, OH
10:02	<b>General Discussion</b> Ralph L Sacco, MD, FAHA, FAAN, Miami, FL	(10:00) Discussion
	Short Break (10:15 am – 10	):30 am)

## Thursday, February 23 (8:45 am - 10:15 am)

Category	Acute Endovascular Treatment	Community/Risk Factors
Session Title	Acute Endovascular Treatment Oral Abstracts II	Community/Risk Factors Oral Abstracts II
Session Type Abstract		Abstract
Room	Grand Ballroom B	Room 310 A-C
Moderator(s)	Pooja Khatri, MD, FAHA, Cincinnati, OH	Kathryn Rexrode, MD, MPh, Boston, MA Daniel Woo, MD, MS, Cincinnati, OH
8:45	Predictors of Good Functional Outcomes in an Acute Ischemic Stroke Cohort with a Large Infarct Core Treated with Mechanical Thrombectomy: Signals to Treat? 127  Jeffrey Wagner, Blue Sky Neurology, Englewood, CO Siu Po Sit, Penumbra, Inc, Alameda, CA	A Telephone Approach for Sceening for Stroke Risk: The REGARDS Telephone Stroke Risk Score 134 George Howard, Univ Alabama Birmingham, Birmingham, AL Virginia J Howard, Univ Alabama Birmingham, Birmingham, AL
8:57	TICI Reperfusion in HERMES: Success in Endovascular Stroke Therapy 128  David S Liebeskind, Neurovascular Imaging Res Core, Los Angeles, CA  Mayank Goyal, Univ of Calgary, Calgary, AB, Canada	Towards Automated Incidence Rate Reporting: Leveraging Machine Learning Technologies to Assist Stroke Adjudication in a Large-scale Epidemiological Study 135  Yizhao Ni, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH Brett M Kissela, Univ of Cincinnati, Cincinnati, OH
9:09	Clinical-imaging Mismatch Versus Perfusion Imaging Mismatch Selection for Stroke Patients Undergoing Mechanical Thrombectomy 129 Mehdi Bouslama, Emory Univ SOM, Atlanta, GA Raul G Nogueira, Emory Univ SOM, Atlanta, GA	Genetics of White Matter Hyperintensity Burden in Patients with Ischemic Stroke:  The MRI-GENIE Study 136  Anne-Katrin Giese, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA  Jonathan Rosand, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA
9:21	Is Intravenous Thrombolysis Far from Obsolete in the Era of Endovascular Thrombectomy? A Hint from a Meta-analysis of Randomized Clinical Trials 130 Georgios Tsivgoulis, Attikon Univ Hosp, Univ of Athens, Athens, Greece Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN	Neighborhood Income and 30-day Readmissions for Stroke and Transient Ischemic Attack 137  Judith H Lichtman, Yale Sch of Public Health, New Haven, CT Larry B Goldstein, Univ of Kentucky, Lexington, KY
9:33	TICI 2A Reperfusion Increases Risk of Parenchymal Hemorrhage After Endovascular Treatment for Acute Ischemic Stroke 131 Erica Jones, Emory Univ, Atlanta, GA Srikant Rangaraju, Emory Univ, Atlanta, GA	Plasma Soluble ST2 Concentration Predicts Functional Outcome and Hemorrhagic Transformation After Acute Ischemic Stroke 138  Zoe Wolcott, Massachusetts General Hosp, Boston, MA W Taylor Kimberly, Massachusetts General Hosp, Boston, MA
9:45	Final Infarct Volume is a Critical Determinant of Hospitalization Cost in Anterior Circulation Large Vessel Occlusion Stroke 132 Christopher Streib, Univ of Minnesota Medical Ctr, Minneapolis, MN Tudor Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA	Trends in Ischemic Stroke Subtype Over a 17-Year Period 139 Stacie L Demel, Univ of Cincinnati Medical Ctr, Cincinnati, OH Dawn O Kleindorfer, Univ of Cincinnati Medical Ctr, Cincinnati, OH
9:57	Effectiveness of a Stem Cell-derived Therapeutic Factor Concentrate in a Mouse Embolic Stroke Model 133 Brian H Johnstone, NeuroFx, Inc, Indianapolis, IN David C Hess, Augusta Univ, Augusta, GA	Association Between Epilepsy and the Risk of Ischemic Stroke or Myocardial Infarction 140  Matthew A Mercuri, Feil Family Brain and Mind Res Inst & Weill Cornell Med, New York, NY Hooman Kamel, Feil Family Brain and Mind Res Inst & Weill Cornell Med, New York, NY
10:09	Discussion	Discussion
Short Break (10:15 am – 10:30 am)		

## Thursday, February 23 (8:45 am - 10:15 am)

Category	Experimental Mechanisms and Models	Intracerebral Hemorrhage	
Session Title	Experimental Mechanisms and Models Oral Abstracts II	Intracerebral Hemorrhage Oral Abstracts I	
Session Type	Abstract	Abstract	
Room	Room 370 A-F	General Assembly C	
Moderator(s)	Shobu Namura, MD, PhD, Atlanta, GA Costantino ladecola, MD, FAHA, New York, NY	Dariush Dowlatshahi, MD, PhD, FRCPC, Ottawa, ON, Canada Chitra Venkatasubramanian, MBBS, MD, Palo Alto, CA	
8:45	The Microrna 17-92 Cluster in Neural Progenitor Cells is Required for Stroke-induced Neurogenesis and Gliogenesis 141 Wanlong Pan, Henry Ford Hosp, Detroit, MI Zheng Gang Zhang, Henry Ford Hosp, Detroit, MI	Evaluation of Sex, Racial and Geographic Demographics and Outcomes in Clinical Trials of Spontaneous Intracerebral Hemorrhage 148 Lauren Koffman, The Johns Hopkins Hosp, Baltimore, MD Wendy Ziai, The Johns Hopkins Hosp, Baltimore, MD	
8:57	Enhanced Neuroprotection by Synergistically Induced Hypothermia with Pharmacological and Physical Approach in Experimental Stroke 142  Jun Zhang, Inst of Hypoxia Med, Xuanwu Hosp, Beijing, China Yuchuan Ding, Wayne State Univ Sch of Med, Detroit, MI	Patterns, Determinants and Outcomes of Ultra-early Neurological Deterioration (U-END) in Intracranial Hemorrhage 149  Kristina Shkirkova, Univ of California, Los Angeles, CA Nerses Sanossain, Univ of Southern California, Los Angeles, CA	
9:09	Long Non-coding RNA Malat1 Regulates Cerebrovascular Pathologies in Ischemic Stroke 143  Xuejing Zhang, Univ of Pittsburgh, Pittsburgh, PA  Ke-Jie Yin, Univ of Pittsburgh, Pittsburgh, PA	Diffusion Abnormalities and Quality of Life Outcomes After Intracerebral Hemorrhage 150 Saabir Kaskar, Northwestern Univ Feinberg Sch of Med, Chicago, IL Shyam Prabhakaran, Northwestern Univ Feinberg Sch of Med, Chicago, IL	
9:21	A Novel Multi-function Small Molecule for the Treatment of Acute Ischemic Stroke in Rodent and Non-human Primate 144 Sheng Wen Yeh, Lumosa Therapeutics, Taipei City, Taiwan Wendy Chern, Lumosa Therapeutics, Taipei City, Taiwan	CD163 Has Distinct Temporal Influences on Intracerebral Hemorrhage Outcomes 151  Jenna L Leclerc, Univ of Florida, Gainesville, FL Sylvain Doré, Univ of Florida, Gainesville, FL	
9:33	Development of Novel S100A9 Peptide Vaccine for Prevention of Thrombus Formation in Ischemic Stroke in Mice 145 Tomohiro Kawano, Osaka Univ Graduate Sch of Med, Suita, Japan Hideki Mochizuki, Osaka Univ Graduate Sch of Med, Suita, Japan	Risk of Arterial Thromboembolic Events After Intracerebral Hemorrhage 152 Santosh Murthy, Feil Family Brain and Mind Res Inst, and Weill Cornell Med, New York, NY Hooman Kamel, Feil Family Brain and Mind Res Inst, and Weill Cornell Med, New York, NY	
9:45	Transient Receptor Potential Vanilloid 1 (TRPV1) Channel Contributes to Cerebral Reperfusion After Stroke 146 Sung-Ha Hong, Baylor Coll of Med, Houston, TX Sean P Marrelli, Baylor Coll of Med, Houston, TX	Prior Statin Therapy is Not Associated with Cerebral Bleeding-prone Angiopathies in Patients with Ischemic Stroke Who Start Long-term Oral Anticoagulation 153  Joan Martí-Fàbregas, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain Ernest Palomeras, Hosp de Mataró, Mataró, Spain	
9:57	Role of Nicotine in the Development of Intracranial Aneurysm Rupture 147 Yoshinobu Kamio, Univ of California, San Francisco, San Francisco, CA Tomoki Hashimoto, Univ of California, San Francisco, San Francisco, CA	Genetic Variants in CETP That Increase HDL Levels Also Increase Risk of Intracerebral Hemorrhage 154 Guido J Falcone, Massachusetts General Hosp, Cambridge, MA Christopher D Anderson, Massachusetts General Hosp, Boston, MA	
10:09	Discussion	Discussion	

### Thursday, February 23 (10:30 am - 12 noon)

	Plenary		
Session Title	Thursday Main Event		
Session Type	Plenary		
Room	Hall C		
Moderator(s)	Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC Miguel A Perez-Pinzon, PhD, FAHA, Miami, FL		
10:30	Introduction of the Thomas Willis Lecture Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC		
10:35	Thomas Willis Lecture: Brain Damage and Repair after Intracerebral Hemorrhage  Jaroslaw Aronowski, PhD, Houston, TX		
11:00	Intensive Versus Guideline Antiplatelet Therapy for Preventing Recurrence in Patients with Acute Ischaemic Stroke or TIA: Main Results from the Triple Antiplatel  for Reducing Dependency in Ischaemic Stroke (TARDIS) Trial LB4  Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom  Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom		
11:12	Cilostazol Versus Aspirin in Ischemic Stroke Patients with Intracerebral Hemorrhage or Multiple Microbleeds LB5  Sun U Kwon Sr, Asan Medical Ctr, Seoul, Korea, Republic of  Dong-Wha Kang, Asan Medical Ctr, Seoul, Korea, Republic of		
11:24	Resumption of Oral Anticoagulation After Intracerebral Hemorrhage is Associated with Decreased Mortality and Favorable Functional Outcome LB6  Alessandro Biffi, Massachusetts General Hosp, Boston, MA  Kevin N Sheth, Yale Univ Sch of Med, New Haven, CT		
11:36	Efficacy and Safety of Nimodipine in Vascular Mild Cognitive Impairment: A Randomized Placebo Controlled Trial LB7 Huaguang Zheng, Capital Medical Univ, Beijing Tiantan Hosp, Beijing, China Yongjun Wang, Capital Medical Univ, Beijing Tiantan Hosp, Beijing, China		
11:48	Second Generation Hydrogel-coated Coils for the Endovascular Treatment of Intracranial Aneurysms: Final Results of a Randomized Controlled Trial LB8  Christian Taschner, Univ Hosp Freiburg, Freiburg, Germany  Alain Bonafé, CHU Montpellier, Montpellier, France		
	Short Break (12 noon – 12:10 pm)		

#### 12:10 pm – 1:30 pm

Science and Technology Hall (Exhibits)/Lunch Break Hall D

Nursing and Rehabilitation Professionals Luncheon Room 361 A-F

(Ticket required; seating is limited.)

Moderators: Claranne P Mathiesen, MSN, BSN, RN, CNRN, Stroudsburg, PA

Sue Pugh, RN, MSN, CRRN, CNRN, CNS-BC, CBIS, FAHA, Baltimore, MD

Individualized Electronic Care Plans and Performance Measures for Comprehensive Post-acute Stroke Care

Panel: Pamela Duncan, PT, PhD, FAPTA, FAHA, Winston-Salem, NC

Christina Condon NP, MSN, Winston-Salem, Sarah Lycan NP, MSN, Winston-Salem,

Barbara Lutz, PhD, RN, CRRN, APHN-BC, FAHA, FNAP, FAAN,

Wilmington, NC

Janet Prvu Bettger, ScD, FAHA, Durham, NC

**Basic Science Networking Luncheon** 

Room 320 A-C

(Ticket required; seating is limited.)

Moderator: Raghu Vemuganti, PhD, Madison, WI

Please see online Program Planner or Mobile Meeting Guide app for information.

## Thursday, February 23 (1:30 pm - 3:00 pm)

Category	Acute Neuroimaging	Preventive Strategies
Session Title	Advanced Neuroimaging Methods for Stroke Recovery	Antithrombotic Therapy Specific to Races/Regions (in the NOAC Era) (an AHA/ASA and Japan Stroke Society Joint Session)
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly B	General Assembly A
Moderator(s)	Mervyn Vergouwen, MD, PhD, Utrecht, Netherlands Tom Schweizer, PhD, Toronto, ON, Canada	Hooman Kamel, MD, New York, NY Kazunori Toyoda, MD, PhD, Suita, Japan
1:30	Application of EEG Methods for Stroke Recovery Steven C Cramer, MD, Orange, CA	Differences in Prothrombotic States Among Races/Regions Toshiyuki Miyata, PhD, Osaka, Japan
1:49	Diffusion-weighted Imaging and Anatomical Connectivity in Stroke Patients Joseph Helpern, MD, Charleston, SC	Differences in Antiplatelet Choice Among Races/Regions Oh Young Bang, MD, PhD, Seoul, Korea, Republic of
2:08	Pre-clinical and Translational MRI of Stroke Recovery Rick M Dijkhuizen, PhD, Utrecht, Netherlands	Differences in Impact of NOACs Among Races/Regions Lawrence Wong, MD, Shatin, Hong Kong
2:27	Resting-state Functional Magnetic Resonance Imaging Alexandre Carter, MD, St Louis, MO	Differences in Bleeding Risk and Antidotes Among Races/Regions Thorsten G Steiner, MD, PhD, Heidelberg, Germany
2:45	Discussion	Discussion

Category	Basic and Preclinical Neuroscience of Stroke Recovery	Health Services, Quality Improvement, and Patient-centered Outcomes
Session Title	Basic and Preclinical Neuroscience of Stroke Recovery Oral Abstracts II	Health Services, Quality Improvement, and Patient-centered Outcomes Oral Abstracts II
Session Type	Abstract	Abstract
Room	Room 310 A-C	General Assembly C
Moderator(s)	Sunghee Cho, PhD, White Plains, NY	Dawn Kleindorfer, MD, FAHA, Cincinnati, OH Amytis Towfighi, MD, Los Angeles, CA
1:30	Bone Marrow Mononuclear Cells Enhance Stroke Recovery Through the Release of Fractalkine From the Spleen 155 Bing Yang, UT Health McGovern Medical Sch at Houston, Houston, TX Sean I Savitz, UT Health McGovern Medical Sch at Houston, Houston, TX	Processes of Care that are Associated with Reduced Risk of Recurrent Vascular Events Among Patients with a Transient Ischemic Attack and Minor Stroke 162 Dawn Bravata, Richard L Roudebush VA Medical Ctr, Indianapolis, IN Greg Arling, Purdue Univ Sch of Nursing, West Lafayette, IN
1:42	Tailored Multipotent Mesenchymal Stromal Cell Harvested Exosomes Carrying Elevated miR-17-92 Cluster Enhance Neurovascular Remodeling & Improve Functional Recovery After Stroke in Rats 156 Hongqi Xin, Henry Ford Health System, Detroit, MI Michael Chopp, Henry Ford Health System, Detroit, MI	Early Outpatient Followup Associated with Lower Readmission Among Medicare Patients with Ischemic Stroke 163 Samuel W Terman, Univ of Michigan, Ann Arbor, MI Lesli E Skolarus, Univ of Michigan, Ann Arbor, MI
1:54	Nur77 Ameliorate Brain Ischemic Injury Through Polarize Microglia from M1 to M2 Phenotype 157 Yan Chen, Nanjing Drum Tower Hosp, Nanjing, China Yun Xu, Nanjing Drum Tower Hosp, Nanjing, China	The Michigan Stroke Transitions Trial: Assessment of Unmet Needs and Case Management Activities from an In-home Patient-centered Social Work Case Management Program 164  Michele Fritz, Michigan State Univ, East Lansing, MI  Mathew J Reeves, Michigan State Univ, East Lansing, MI
2:06	Pre-existing Cancer Exacerbates Cerebral Ischemic Stroke in Mice via Regulatory T Cell Redistribution 158 Long Wang, Renji Hosp, Shanghai Jiaotong Univ Sch of Med, Shanghai, China Peiying Li, Renji Hosp, Shanghai Jiaotong Univ Sch of Med, Shanghai, China	What Domains of Health Are Most Impacted After Ischemic Stroke? 165 Irene Katzan, Cleveland Clinic Founda, Cleveland, OH Nicolas Thompson, Cleveland Clinic Founda, Cleveland, OH
2:18	Improving Chronic Motor and Cognitive Recovery After Stroke Using Injury-site Specific Inhibition of Complement Activation 159  Ali Alawieh, Farris Langley, Stephen Tomlinson, Medical Univ of South Carolina, Charleston, SC	One-month Modified Rankin Scale (mRS) Score Predicts Five-year Disability, Death, Quality-of-Life, and Healthcare Costs in Ischaemic Stroke: A Prospective Cohort Study 166  Aravind Ganesh, Univ of Oxford, Oxford, United Kingdom Peter M Rothwell, Univ of Oxford, Oxford, United Kingdom
2:30	DNA-Methylation and Aging. Contribution of Biological Age to Recovery After Ischemic Stroke 160  Jordi Jimenez-Conde, Inst Hosp del Mar d'Investigació Medica, IMIM, Barcelona, Spain Jaume Roquer, Inst Hosp del Mar d'Investigació Medica, IMIM, Barcelona, Spain	An Innovative mHealth-based Care Model for Improving Hypertension Control in Stroke Survivors 167 Kamakshi Lakshminarayan, Univ of Minnesota, Minneapolis, MN Rich Grimm, Univ of Minnesota, Minneapolis, MN
2:42	Age and Sex Influence the Neutrophil Response to Ischemic Stroke in Mice and Humans 161 Meaghan Roy-O'Reilly, Univ of Texas Health Sciences Ctr, Houston, TX Louise McCullough, Univ of Texas Health Sciences Ctr, Houston, TX	Differences in Description of Patent Foramen Ovale Influence Choice of Treatment 168 Natalie C Wheeler, Univ of Wisconsin-Madison, Madison, WI Darin Zahuranec, Univ of Michigan, Ann Arbor, MI
2:54	Discussion	Discussion

Science and Technology Hall (Exhibits)/Break, Hall D (3:00 pm – 3:30 pm)
Case Study: Challenging Endovascular Thrombectomy Cares for Acute LVO
Italo Linfante, MD, Miami, FL
Science and Technology Hall, Booth 451, Expert Theater

### Thursday, February 23 (1:30 pm - 3:00 pm)

Category Health Services, Quality Improvement, and Patient-centered Outc	
Session Title	Continuum of Stroke Care: Forging the Chain of Stroke Treatment, Recovery, and Secondary Prevention
Session Type	Invited Symposium
Room	Grand Ballroom A
Moderator(s)	Pamela W Duncan, PhD, PT, FAHA, Winston-Salem, NC Joseph Broderick, MD, FAHA, Cincinnati, OH
Transition from Place of Stroke to Hospital: Prehospital Diagno Treatment and Triage Jason T McMullan, MD, Cincinnati, OH	
1:49 Next Steps After Leaving the Acute Care Hospital Cheryl Bushnell, MD, MHS, Winston-Salem, NC	
2:08 Secondary Stroke Prevention Interventions Linda Williams, MD, Indianapolis, IN	
2:27	Technology and Stroke Health: Wearable Devices, Telemedicine, and the World of Apps Bruce H Dobkin, MD, MD, FRCP, Los Angeles, CA
2:45	Discussion

Category	
Session Title	Late-Breaking Science Oral Abstracts I
Session Type	Abstract
Room	Grand Ballroom B
Moderator(s)	TBD
1:30	Ticagrelor Versus Aspirin in Acute Stroke or Transient Ischemic Attack of Atherosclerotic Origin LB9 Pierre Amarenco, Paris Diderot Univ, Paris, France S Claiborne Johnston, Univ of Texas at Austin, Austin, TX
1:42	E-cigarette Exposure Alters Brain Glucose Utilization and Stroke Outcome LB10 Ali E Sifat, TTUHSC Sch of Pharmacy, Amarillo, TX Thomas Abbruscato, TTUHSC Sch of Pharmacy, Amarillo, TX
Shake, Rattle & Roll Trial - Improving Blood Pressure Control Ar  African Americans LB11  Mai N Nguyen-Huynh, Kaiser Permanente, Oakland, CA  Stephen Sidney, Kaiser Permanente, Oakland, CA	
2:06	Safety and Feasibility of Combination of Ticagrelor and Aspirin in Patients with Minor Stroke or TIA :Interim Analyses of the Platelet Reactivity in Acute Stroke or Transient Ischemic Attack (PRINCE) Trial LB12  Yilong Wang, Capital Medcal Univ, Beijing tiantan hospital, Beijing, China Yongjun Wang, Capital Medcal Univ, Beijing tiantan hospital, Beijing, China
2:18	Effect of a Nationwide Hospital-based Stroke Network on Key Processes of Evidence-based Stroke Care: The China National Stroke Prevention Project LB13 Longde Wang, The Natl Health and Family Commission, Beijing, China
2:30 Rapid Increase in Endovascular Thrombectomy for Acute Ischemic Stroke United States: Data From Get With the Guidelines-Stroke LB14 Eric E Smith, Univ of Calgary, Calgary, AB, Canada Lee H Schwamm, Massachusetts General Hosp, Boston, MA	
2:42	Interhospital Transfer Prior to Thrombectomy is Associated With Delayed Treatment and Worse Outcome in the STRATIS Registry LB15 Michael T Froehler, Vanderbilt Univ, Nashville, TN Nils H Mueller-Kronast, Delray Medical Ctr/Tenet South Florida, Delray Beach, FL
2:54	Discussion

Science and Technology Hall (Exhibits)/Break, Hall D (3:00 pm – 3:30 pm)
Case Study: Challenging Endovascular Thrombectomy Cares for Acute LVO
Italo Linfante, MD, Miami, FL
Science and Technology Hall, Booth 451, Expert Theater

Games of Strokes
Invited Symposium
Grand Ballroom C
Jose Biller, MD, FACP, FAAN, FAHA, Maywood, IL

In this exciting, interactive new session, 3 teams of stroke professionals from around the world will wage a friendly intellectual war in a fast and furious game show-style quiz session comprising verbal and video questions. Use the ISC 2017 Mobile Meeting App to play along in this thrilling game in the session room, and test your stroke knowledge. The 3 competing teams will be made up of stroke leaders representing the US and Canada; Asia and Australia; and Europe. Come and support your favorite team and watch them try to win the Games of Strokes trophy. Note: moving forward, the plan is to rotate the team continents/countries each year.

We would like to thank Dr Jose Biller for his time, effort and expertise in planning this session.

#### Team Asia / Australia

Graeme Hankey (Australia) Jong Sun Kim (Korea) Liping Liu (China) Jeyaraj Pandian (India) Thang Nguyen (Vietnam)

#### Team Canada / USA

Mayank Goyal (Canada) Enrique Leira (US) Stephan A Mayer (US) TBD TBD

#### Team Europe

Martin Koehrmann (Germany) Carlos Molina (Spain) Alastair Webb (UK) Emmanuel Touźe (France)

## Thursday, February 23 (3:30 pm - 5:00 pm)

Category	Experimental Mechanisms and Models	Community/Risk Factors
Session Title	Giving New Life to Old Music: Emerging Novel Functions for Proteases in Vascular-neurobiology	Interventions to Enhance Global and Regional Stroke Outcomes
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly B	Grand Ballroom B
Moderator(s)	Marilyn Cipolla, PhD, MS, FAHA, Burlington, VT Jialing Liu, PhD, San Francisco, CA	Liping Liu, MD, PhD, Beijing, China Bo Norrving, MD, PhD, FESC, Lund, Sweden
3:30	Tissue Type Plasminogen Activator (tPA): More Than a Fibrinolytic?  Denis Viven, MD-PhD, Caen, France	Overview of Disparities and Drivers of Trends in Stroke Epidemiology Rita V Krishnamurthi, PHD, MAPPLSC, BSC, Auckland, New Zealand
3:49	Help, Help, Me Thrombin: The Serine Protease Thrombin in Neuronal-astrocyte  Cell-cell Communication  Patrick Lyden, MD, Los Angeles, CA	Interventions to Improve Risk Factor Control Amytis Towfighi, MD, Los Angeles, CA
4:08	All Shook Up: Kallikrein Signaling at the Intersection of Neural Injury and Repair Isobel Sarisbrick, PhD, Rochester, MN	The Road Map to Improved Stroke Services M Patrice Lindsay, BScN, PhD, Ottowa, ON, Canada
4:27	I'm Hot Blooded: Using Cysteine Proteases as Biomarkers of Acute Brain and Spinal Cord Injury Ronald Hayes, PhD, Alachua, FL	Interventions to Improve Outcomes Across Race-ethnic Subgroups Dominique Cadilhac, BN (post-reg), MPH, PhD, Clayton, Australia
4:45	Discussion	Discussion

Category	Diagnosis of Stroke Etiology	Preventive Strategies
Session Title	Potential Role of Magnetic Resonance Vessel Wall Imaging for Intracranial Vasculopathy	Prevention and Management of Stroke in the Oldest Old
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly C	Grand Ballroom A
Moderator(s)	Lawrence Wong, MD, Shatin, Hong Kong David Mikulis, MD, Toronto, ON, Canada	Daniel T Lackland, PhD, Charleston, SC Judith H Lichtman, PhD, MPH, New Haven, CT
3:30	Clinical Need for Better Diagnostic Tools for Evaluation of Intracranial Vasculopathy Tanya Turan, MD, MSCR, FAHA, Charleston, SC	Population Growth of Oldest Old and Risk of Stroke by Demographics Worldwide Anthony Kim, MD, MAS, San Francisco, CA
3:49	MR Techniques for Intracranial Vessel Wall Imaging Chun Yuan, PhD, MD, Seattle, WA	Hypertension and Cholesterol Management for Stroke Prevention in the Oldest Old  Dawn M Bravata, MD, Indianapolis, IN
4:08	MR Vessel Wall Imaging in Asian Populations Tatsunori Natori, MD, Iwate, Japan	Risk of Stroke and Death from Revascularization in the Oldest Old George Howard, DrPH, FAHA, Birmingham, AL
4:27	MR Vessel Wall Imaging in the North America Daniel Mandell, MD, PhD, Toronto, ON, Canada	Expectations of Rehabilitation in the Oldest Old Richard Lindley, MD, FRACP, Sydney, Australia
4:45	Discussion	Discussion
Short Break (5:00 pm – 5:15 pm)		5:15 pm)

## Thursday, February 23 (3:30 pm - 5:00 pm)

Category	Community/Risk Factors	Guidelines Session
Session Title	Stroke Risk and Outcomes in People of African Ancestry (an AHA/ASA and Nigerian Stroke Society Joint Session)	Stroke Guidelines Session
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly A	Grand Ballroom C
Moderator(s)	Philip B Gorelick, MD, MPH, FAHA, Grand Rapids, MI Yomi Ogun, BSc (Hons), MBChB, FWACP, Ikorodu Lagos State, Nigeria	Walter Kernan, MD, New Haven, CT
3:30	Burden of Stroke, Vascular Risk Factors, and Care Gaps in Africa Rufus Akinyemi, MBBS, MSc, PhD, MWACP, FMCP, Ibadan, Nigeria	Guidelines for Adult Stroke Rehabilitation and Recovery Joel Stein, MD, New York, NY
3:49	Recent Insights into the Epidemiology of Stroke among African Americans Virginia J Howard, PhD, FAHA, FSCT, Birmingham, AL	Telemedicine Quality and Outcomes in Stroke Lawrence R Wechsler, MD, Pittsburgh, PA
4:08	State of Clinical Research in Stroke in Africa Mayowa Owolabi, MBBS, MWACP, FMCP, MSc, DrMed, Ibadan, Nigeria	<b>Post-stroke Depression</b> Amytis Towfighi, MD, Los Angeles, CA
4:27	Developing Interventions to Improve Stroke Outcomes in African Americans Salina Waddy, MD, Bethesda, MD	Prevention of Stroke in Patients with Silent Cerebrovascular Disease Eric E Smith, MD, Calgary, AB, Canada
4:45	Discussion	Discussion

Adam Kirton, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada  Cerebral Blood Flow and Oxygen Extraction Fraction Are Age-dependent in Children and Young Adults with and without Sickle Cell Disease 171  Kristin P Guilliams, Washington Univ in St Louis, St Louis, MO  Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO  Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172  Kimberly D Goodspeed, UT Southwestern, Dallas, TX  Michael Dowling, UT Southwestern, Dallas, TX  Michael Dowling, UT Southwestern, Dallas, TX  Michael Dowling, UT Southwestern, Dallas, TX  Assume Cerebral Blood Flow and Oxygen Extraction Fraction Are Age-dependent in On the ISC Web site at strokeconference.org or the Mobile Guide app. To download the app, search "AHA Events" in 1  Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Author (last) of the abstract. For the complete Author Bloc abstract (including the Conflict of Interest information), check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org or the Mobile Guide app. To download the app, search "AHA Events" in 1  Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Author (last) of the abstract. For the complete Author Bloc abstract (including the Conflict of Interest information), check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or abstract sonline in the Stroke journal.			Pediatric Stroke	Category
Room Room 310 A-C Melissa Chung, MD, Columbus, OH Timothy Bernard, MD, MSCS, Aurora, CO  Clinical and Imaging Biomarkers of Childhood Arteriopathy: Results of the Vascular Effects of Infection in Pediatric Stroke (VIPS) Study 169 Heather J Fullerton, Univ of California San Francisco, CA  Neonatal Hemorrhagic Stroke: Population-based Epidemiology 170 Lauran Cole, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada Adam Kirton, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada Adam Kirton, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada Cerebral Blood Flow and Oxygen Extraction Fraction Are Age-dependent in Children and Young Adults with and without Sickle Cell Disease 177 Kiristin P Guilliams, Washington Univ in St Louis, St Louis, MO Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172 Kimberly D Goodspeed, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173 Mark T Mackay, The Royal Children's Hosp, Parkville, Australia Franz E Babl, The Royal Children's Hosp, Parkville, Australia Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174			Pediatric Stroke Oral Abstracts	Session Title
Medissa Chung, MD, Columbus, OH Timothy Bernard, MD, MSCS, Aurora, CO  Clinical and Imaging Biomarkers of Childhood Arteriopathy: Results of the Vascular Effects of Infection in Pediatric Stroke (VIPS) Study 169 Heather J Fullerton, Univ of Caligromia San Francisco, San Francisco, CA  Neonatal Hemorrhagic Stroke: Population-based Epidemiology 170 Lauran Cole, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada Adam Kirton, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada  Cerebral Blood Flow and Oxygen Extraction Fraction Are Age-dependent in Children and Young Adults with and without Sickle Cell Disease 171 Kristin P Quilliams, Washington Univ in St Louis, St Louis, MO Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO  Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172 Kimberly D Goodspeed, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173 Mark T MacKay, The Royal Children's Hosp, Parkville, Australia Franz E Babl, The Royal Children's Hosp, Parkville, Australia  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174			Abstract	Session Type
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3:30			0, ,	Moderator(s)
Lauran Cole, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada Adam Kirton, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada  Cerebral Blood Flow and Oxygen Extraction Fraction Are Age-dependent in Children and Young Adults with and without Sickle Cell Disease 171 Kristin P Guilliams, Washington Univ in St Louis, St Louis, MO Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172 Kimberly D Goodspeed, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173 Mark T MacKay, The Royal Children's Hosp, Parkville, Australia Franz E Babl, The Royal Children's Hosp, Parkville, Australia  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke Differs by Arteriopathy Subtype 174  For changes to the program made since the Final Program/Itinerary Planner on the ISC We Suite at strokeconference.org or the Mobile Guide app. To download the app, search "AHA Events" in 1 Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and th Author (last) of the abstract, For the complete Author Blod abstract (including the Conflict of Interest information), check the online Program/Itinerary Planner on the ISC We at strokeconference.org or the Mobile Guide app. To download the app. Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and th Author (last) of the abstract, For the complete Author Blod abstract (including the Conflict of Interest information), check the online Program/Itinerary Planner on the ISC We at strokeconference.org, the Mobile Meeting Guide app. To download the app. To download the app. Store or Google Play.			Vascular Effects of Infection in Pediatric Stroke (VIPS) Study 169	3:30
3:54  Cerebral Blood Flow and Oxygen Extraction Are Age-dependent in Children and Young Adults with and without Sickle Cell Disease 171 Kristin P Guilliams, Washington Univ in St Louis, St Louis, MO Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172 Kimberly D Goodspeed, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173 Mark T MacKay, The Royal Children's Hosp, Parkville, Australia  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174  Guide app. To download the app, search "AHA Events" in the Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Author (last) of the abstract. For the complete Author Blod abstract (including the Conflict of Interest information), check the online Program/Itinerary Planner on the ISC W at strokeconference.org, the Mobile Meeting Guide app, or abstracts online in the Stroke journal.  The number listed immediately after the abstract's title abstract's presentation number.  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174	ocated	For changes to the program made since the Final Program went to print, please check the online Program/Itinerary Planner located	Lauran Cole, Univ of Calgary/Calgary Pediatric Stroke Program, Calgary, AB, Canada	3:42
4:06  Medical and Demographic Predictors of Long-term Cognitive Outcomes of Pediatric Stroke 172  Kimberly D Goodspeed, UT Southwestern, Dallas, TX Michael Dowling, UT Southwestern, Dallas, TX  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173  Mark T MacKay, The Royal Children's Hosp, Parkville, Australia  Franz E Babl, The Royal Children's Hosp, Parkville, Australia  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by  Arteriopathy Subtype 174	he App	The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the ISC abstracts online in the Stroke journal.  The number listed immediately after the abstract's title is the abstract's presentation number.	Children and Young Adults with and without Sickle Cell Disease 171 Kristin P Guilliams, Washington Univ in St Louis, St Louis, MO	3:54
4:18  Accuracy and Reliability of Brain Attack Diagnoses Including Stroke in the Pediatric Emergency Department 173  Mark T MacKay, The Royal Children's Hosp, Parkville, Australia Franz E Babl, The Royal Children's Hosp, Parkville, Australia  Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype 174	eb site the ISC		Pediatric Stroke 172 Kimberly D Goodspeed, UT Southwestern, Dallas, TX	4:06
4:30 Arteriopathy Subtype 174	s the		Pediatric Emergency Department 173  Mark T MacKay, The Royal Children's Hosp, Parkville, Australia	4:18
			Arteriopathy Subtype 174	4:30
4:42 Cerebral Vasoreactivity is Impaired in Children with Sickle Cell Disease 175 Gisele S Silva, Albert Einstein Hosp and Federal Univ of São Paulo, São Paulo, Brazil				4:42
4:54 Discussion			Discussion	4:54

5:15 pm – 6:45 pm	
Poster Sessions	
Poster Hall, Hall E	
5:15 pm – 6:15 pm	
Professor-Led Poster Tours by Category:	
Brief Presentation and Moderated Q&A with Poster Presenters	
Moderated Posters TMP1 – TMP120; see pg 82 in the Poster Abstract Index for a complete listing of all the posters in the Thursday Professor-Led Poster Tour session.	
6:15 pm – 6:45 pm	
Regular Poster Session:	
One-on-One Time for an Individual Q&A with Poster Presenters	
These posters are not included in the 5:15 Professor-Led Poster Tour Session above.	
Posters TP1 – TP449; see pg 89 in the Poster Abstract Index for a complete listing of all the posters in this Thursday session.	
Ongoing Clinical Trials Posters CTP1 – CTP40; see pg 112 in the Poster Abstract	
Index for a complete listing of all the Ongoing Clinical Trials posters in this Thursday session.	
FAHAs and other stroke leaders – please be sure to show your support for young	
investigators and attend the poster sessions.	
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### FRIDAY, FEBRUARY 24 (7:00 am - 8:30 am)

Category	Aneurysm	Cerebral Large Artery Disease
Session Title	Inflammation and Intracranial Aneurysms	Vertebro-basilar Artery Occlusive Disease
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly A	General Assembly B
Moderator(s)	Adnan Siddiqui, MD, PhD, Buffalo, NY Elad I Levy, MD, MBA, FACS, FAHA, Buffalo, NY	Louis R Caplan, MD, FAHA, Boston, MA J P Mohr, MS, MD, FAHA, FAAN, New York, NY
7:00	Role of Inflammation in Aneurysm Formation, Growth and Rupture Sudheer Ambekar, MBBS, MCh, Mumbai, India	<b>Vertebro-basilar Artery Syndromes</b> Jong S Kim, MD, PhD, Seoul, Korea, Republic of
7:19	<b>Imaging Inflammation in Aneurysms</b> David M Hasan, MD, Iowa City, IA	<b>Thrombolysis and Endovascular Therapy</b> Woong Yoon, MD, PhD, Gwangju, Korea, Republic of
7:38	Inflammation and Hormones: Why Do Women Have Higher Risk of Aneurysm Formation and Rupture? Brian Hoh, MD, FAHA, Gainsville, FL	<b>Vertebobasilar Artery Dissection</b> Seuag Chai Jung, MD, PhD, Seoul, Korea, Republic of
7:57	Potential Treatment Targets and Update on Ongoing Trials Robert Loch Macdonald, MD, PhD, FRCS(C), FAANS, FACS, Toronto, ON, Canada	Stenting for Vertebro-basilar Artery Stenosis Colin Derdeyn, MD, FAHA, Iowa City, IA
8:15	Discussion	Discussion

Category	Acute Neuroimaging	Acute Nonendovascular Treatment
Session Title	Acute Neuroimaging Oral Abstracts II	Acute Nonendovascular Treatment Oral Abstracts
Session Type	Abstract	Abstract
Room	Grand Ballroom B	General Assembly C
Moderator(s)	Achala Vagal, MD, Cincinnati, OH	Gustavo Saposnik, MD, MSc, FAHA, FRCPC, Toronto, ON, Canada Maurizio Paciaroni, MD, Perugia, Italy
7:00	HERMES: Collaterals at Angiography Guide Clinical Outcomes 176 David S Liebeskind, Neurovascular Imaging Res Core, Los Angeles, CA Mayank Goyal, Univ of Calgary, Calgary, AB, Canada	Effect of Statin in Acute Cardioembolic Stroke Patients Who Are Not Indicated According to Current Guidelines 183 Hong-Kyun Park, Seoul Natl Univ Bundang Hosp, Seongnam-si, Korea, Republic of Hee-Joon Bae, Seoul Natl Univ Bundang Hosp, Seongnam-si, Korea, Republic of
7:12	The Association of Blood Pressure and Pretreatment Arterial Collaterals in Acute Ischemic Stroke 177  Beisi Jiang, Monash Univ, Melbourne Brain Ctr at the Royal Melbourne Hosp, Melbourne, Australia  Bernard Yan, Univ of Melbourne, Melbourne Brain Ctr at the Royal Melbourne Hosp, Melbourne, Australia	Intravenous Thrombolysis for Acute Ischemic Stroke in the "Golden Hour": a Propensity-matched Analysis of SITS-EAST Registry 184 Georgios Tsivgoulis, Attikon Univ Hosp, Univ of Athens, Athens, Greece Robert Mikulik, Intl Clinical Res Ctr, St Anne's Hosp and Masaryk Univ, Brno, Czech Republic
7:24	Infarct Growth Rate Depends on Collateral Status in Acute Ischemic Stroke Patients 178 Reza Hakimelahi, Massachusetts General Hosp, Boston, MA Pamela Schaefer, Massachusetts General Hosp, Boston, MA	Association of Antiplatelet Pretreatment With Outcomes in Acute Ischemic Stroke Patients Treated With Intravenous Thrombolysis: A Systematic Review and Meta-analysis of Randomized Clinical Trials 185  Georgios Tsivgoulis, Attikon Univ Hosp, Univ of Athens, Athens, Greece Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN
7:36	Determinants of Cerebral Microbleeds in Acute Ischemic Stroke Patients With Non-valvular Atrial Fibrillation: SAMURAI-NVAF Study 179  AMasayuki Shiozawa, Natl Cerebral and Cardiovascular Ctr, Suita, Japan Kazunori Toyoda, Natl Cerebral and Cardiovascular Ctr, Suita, Japan	IV tPA Recanalization Rates by Site of Occlusion and Time After tPA Bolus- Main Results of the Interrsect Multinational Multicenter Prospective Cohort Study 186 Bijoy K Menon, Univ of Calgary, Calgary, AB, Canada Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada
7:48	Cerebral Microbleeds Are Associated with Higher Mortality Among Stroke Patients 180 Ramin Zand, Univ of Tennessee Health Science Ctr, Memphis, TN Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN	See the ISC Mobile Meeting Guide app
8:00	Determinants of Intracranial Atherosclerotic Enhancement on Vessel Wall MRI in Patients with Acute Ischemic Stroke 181  Adam de Havenon, Univ of Utah, Salt Lake City, UT  Scott McNally, Univ of Utah, Salt Lake City, UT	Safety and Efficacy of Off-label Intravenous Thrombolysis in Patients with Acute Ischemic Stroke: An Observational Study From the International Safe Implementation of Treatments in Stroke (SITS) Registry 188 Sibu Mundiyanapurath, Univ Hosp Heidelberg, Heidelberg, Germany Simon Nagel, Univ Hosp Heidelberg, Heidelberg, Germany
8:12	Thermal Imaging as a Diagnostic Biomarker in Acute Ischemic Stroke 182 Linda F Aulmann, UKSH Lübeck - Inst für Neuroradiologie, Lübeck, Germany André Kemmling, UKSH Lübeck - Inst für Neuroradiologie, Lübeck, Germany	Intensive Versus Guideline Antiplatelet Therapy For Preventing Recurrence in Patients with Acute Ischaemic Stroke or TIA: Results in Minor Stroke and TIA From the Triple Antiplatelets For Reducing Dependency in Ischaemic Stroke (TARDIS) Trial 189  Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom
8:24	Discussion	Discussion

## FRIDAY, FEBRUARY 24 (7:00 am - 8:30 am)

Category	In-hospital Treatment	Basic and Preclinical Neuroscience of Stroke Recovery
Session Title	Anticoagulation Tests, Reversal Strategies and Antidotes in Patients Treated with Vitamin K Antagonists and Direct Oral Inhibitors	Clinical and Basic Perspectives on the Role of Physical and Cognitive Activity and Neural Progenitors in Stroke Recovery (the ASA-Bugher Collaborative Studies)
Session Type	Invited Symposium	Invited Symposium
Room	Grand Ballroom C	Grand Ballroom A
Moderator(s)	Panayiotis Mitsias, MD, PhD, Detroit, MI Peter D Schellinger, MD, PhD, FESO, FAHA, Minden, Germany	S Thomas Carmichael, MD, PhD, Los Angeles, CA Ralph L Sacco, MS, MD, FAHA, FAAN, Miami, FL Richard J Traystman, PhD, FAHA, Aurora, CO
7:00	Introduction Panayiotis Mitsias, MD, PhD, Detroit, MI	(7:00) Intracranial Vessel Wall Imaging in Arterial Ischemic Stroke Nicholas V Stence, MD, Aurora, CO
7:05	Basics of Anti-coagulation and Anticoagulation Reversal Roland Veltkamp, MD, London, United Kingdom	(7:15) Behavioral Activity Promotes White Matter Repair in Subcortical White  Matter Stroke  S Thomas Carmichael, MD, PhD, Los Angeles, CA
7:25	Coagulation Tests and Point of Care Devices Martin Kohrmann, MD, FESO, Essen, Germany	(7:30) Exercise Intensity and Post-stroke Cognitive Outcomes in Elderly Animals Kunjan Dave, MS, PhD, Miami, FL
7:45		(7:45) Data Blitz: Predictors of Neuropsychological Outcomes Following Pediatric Stroke Emily Maxwell, PhD, Aurora, CO
	Management of Acute Ischemic Stroke in Patients Treated with Vitamin-K-antagonists or NOACs Nikola Sprigg, MB, ChB, FRCP, Nottingham, United Kingdom	(7:50) Data Blitz: Effects of Physical Exercise on Cognitive Outcomes Following White Matter Stroke Charles H Cohan, PhD, Miami, FL
		(7:55) Data Blitz: The Search for New Regulators of Remyelination After White Matter Stroke David DiTullio, PhD, Los Angeles, CA
8:05	Management of Intracranial Hemorrhage in Patients Treated with Vitamin-K-antagonists or NOACs Thorsten G Steiner, MD, PhD, Heidelberg, Germany	(8:00) Discussion
8:25	Discussion	

Category	SAH and Other Neurocritical Management		
Session Title	SAH and Other Neurocritical Management Oral Abstracts		
Session Type	Abstract		
Room	Room 310 A-C		
Moderator(s)	TBD	For changes to the program made since the Final Program went to print, please check the	
7:00	Prediction of Intracranial Aneurysm Growth Based on Morphology 190 Aichi Chien, UCLA, Los Angeles, CA Noriko Salamon, UCLA, Los Angeles, CA	online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the Mobile Meeting Guide app. To download	
7:12	Selective Frontal Lobe Metabolic Dysfunction After Sub-arachnoid Hemorrhage 191 Halinder S Mangat, Weill Cornell Med, New York, NY Philip E Stieg, Weill Cornell Med, New York, NY	the app, search "AHA Events" in the App Store or Google Play.  The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the	
7:24	The Relationship of Platelet-leukocyte Aggregates and Early Brain Injury After Subarachnoid Hemorrhage 192  Jennifer A Frontera, Cleveland Clinic, Cleveland, OH  J Javier Provencio, Univ of Virginia, Charlottesville, VA		
7:36	Real-time Quantitative Changes in Cerebral Blood Flow From Intra-arterial Vasodilator Treatment in  Cerebral Vasospasm 193  Sunil A Sheth, Univ of California, Los Angeles, Los Angeles, CA  Nestor R Gonzalez, Cedars-Sinai Medical Ctr, Los Angeles, CA		
7:48	See the ISC Mobile Meeting Guide app	ISC abstracts online in the <i>Stroke</i> iournal.	
8:00	Sulforaphane Protects Against Subarachnoid Hemorrhage and Alters the Expression of Inflammatory and Extracellular Matrix Remodeling Genes in a Mouse Model of Intracranial Aneurysm 195 David M Sawyer, Tulane Univ Sch of Med, New Orleans, LA Aaron S Dumont, Tulane Univ, New Orleans, LA	The number listed immediately after the abstract's title is the abstract's presentation number.	
8:12	Sanguinate (PEGylated-carboxyhemoglobin-bovine) Improves Cerebral Blood Flow and Oxygen Extraction to Vulnerable Brain Regions in Patients at Risk for Delayed Cerebral Ischemia After Subarachnoid Hemorrhage 196 Rajat Dhar, Washington Univ Sch of Med, Saint Louis, MO Michael Diringer, Washington Univ Sch of Med, Saint Louis, MO		
8:24	Discussion		
	Short Break (8:30 am – 8:45 am)		

## FRIDAY, FEBRUARY 24 (8:45 am - 10:15 am)

Category	Vascular Biology in Health and Disease	Health Services, Quality Improvement, and Patient-Centered Outcomes
Session Title	Engineering for Stroke Science	Large Multicenter Hospital-based Stroke Registry Study: What We Can Learn (an AHA/ASA and Korean Stroke Society Joint Session)
Session Type	Invited Symposium	Invited Symposium
Room	General Assembly A	Grand Ballroom C
Moderator(s)	Michael Chopp, PhD, FAHA, Detroit, MI Louise D McCullough, MD, PhD, FAHA, Houston, TX	Ji Heo Heo, MD, Seoul, Korea, Republic of Lee H Schwamm, MD, FAHA, Boston, MA
8:45	Sugars and Scaffolds for Growth Factor Therapies Su-Jing Chan, PhD, Boston, MA	Population Characteristics, Quality of Care, and Outcome in Korea Beom Joon Kim, MD, PhD, MSc, Seongnam-si, Korea, Republic of
9:04	Penetrating the BBB Thomas P Davis, MSc, PhD, MD, Tucson, AZ	Population Characteristics, Quality of Care, and Outcome in the US Steven R Messe, MD, Philadelphia, PA
9:23	Biomechanics for Stent-retrievers and Recanalization Matthew Gounis, PhD, Worcester, MA	Status of Reperfusion Therapy in Acute Ischemic Stroke in Korea Keun-Sik Hong, MD, PhD, Goyang, Korea, Republic of
9:42	<b>Soft Exo-suits for Stroke Recovery</b> Louis Awad, PT, DPT, PhD, Boston, MA	Status of Reperfusion Therapy in Acute Ischemic Stroke in US Eric E Smith, MD, Calgary, AB, Canada
10:00	Discussion	Discussion

Category	Aneurysm	Cerebral Large Artery Disease
Session Title	Aneurysm Oral Abstracts	Cerebral Large Artery Disease Oral Abstracts II
Session Type	Abstract	Abstract
Room	Room 310 A-C	General Assembly B
Moderator(s)	Alejandro Rabinstein, MD, Rochester, MN Mervyn Vergouwen, MD, Utrecht, Netherlands	David S Liebeskind, MD, FAHA, FAAN, Los Angeles, CA Vincent Thijs, MD, PhD, Heidelberg, Australia
8:45	Roles of Neutrophil Extracellular Trap in the Rupture of Intracranial Aneurysm 197  Masaaki Korai, Univ of California, San Francisco, San Francisco, CA Tomoki Hashimoto, Univ of California, San Francisco, San Francisco, CA	Regional Hypoperfusion is Associated with Cortical Thinning in Asymptomatic Carotid Artery Disease 204 Randolph S Marshall, Columbia Presbyterian Medical Ctr, New York, NY Ronald Lazar, Columbia Presbyterian Medical Ctr, New York, NY
8:57	Endovascular Biopsy: in vivo Brain Aneurysm Endothelial Cell Sampling and Gene Expression Analysis 198  Daniel L Cooke, Univ of California San Francisco, San Francisco, CA Zhengda Sun, Univ of California San Francisco, San Francisco, CA	Longitudinal Study of Intracranial Atherosclerosis Using 3D High Resolution MRI Imaging 205  Xuefeng Zhang, Johns Hopkins, Baltimore, MD Ye Qiao, Johns Hopkins, Baltimore, MD
9:09	A Predicting Model of Aneurysm Rupture Status Based on High-resolution Magnetic Resonance Imaging 199 Feng Liang, The First Affiliated Hosp of Sun Yat-sen Univ, Guangzhou, Guangdong, China Zhengsong Huang, The First Affiliated Hosp of Sun Yat-sen Univ, Guangzhou, Guangdong, China	High Occurrence Rate of Parent Intracranial Artery Plaque in Patients with Acute Penetrating Artery Territory Infarcts: Interim Results of the Stroke Imaging Package Study 206  Wei-hai Xu, Peking Union Medical Coll Hosp, Beijing, China Yining Huang, Peking Univ First Hosp, Beijing, China
9:21	Risk Factors Positively Associated with Annual Growth Rate of Brain Aneurysms 200 Aichi Chien, UCLA, Los Angeles, CA Yuanqing Ye, MD Anderson Cancer Ctr, Houston, TX	A Systematic Literature Review of Patients with Carotid Web and Acute Ischemic Stroke 207 Parth Dhruv, Univ of Minnesota, Minneapolis, MN Christopher Streib, Univ of Minnesota, Minneapolis, MN
9:33	Results of the ANSWER Trial Using the PulseRider for the Treatment of Broad-necked, Bifurcation Aneurysms 201  Alex M Spiotta, Medical Univ of South Carolina, Charleston, SC	Periprocedural Stroke and Myocardial Infarction as Risks for Long-term Mortality in CREST 208 Michael R Jones, Baptist Health Lexington, Lexington, KY Thomas G Brott, Mayo Clinic, Jacksonville, FL
9:45	Vision Outcomes for Paraclinoid Aneurysms Treated with Clipping, Coiling, or Flow Diversion: A Meta-analysis 202  Michael A Silva, Brigham and Women's Hosp, Boston, MA  Mohammad A Aziz-Sultan, Brigham and Women's Hosp, Boston, MA	Association Between Medicare High Risk Criteria and Long Outcomes Following Carotid Revascularization Procedures 209 Caitlin W Hicks, Johns Hopkins Medical Insts, Baltimore, MD Mahmoud B Malas, Johns Hopkins Medical Insts, Baltimore, MD
9:57	Safety and Efficacy of WEB® Aneurysm Treatment: Combined Analysis of WEBCAST, French Observatory, and WEBCAST2 Studies - Final Results 203  Laurent Pierot, CHU Reims, Reims, France Andrew Molyneux, CHU Reims, Reims, France	Is Endovascular Treatment Beneficial in Acute Ischemic Stroke Patients with M2 Segment Middle Cerebral Artery Occlusion? 210 Adnan I Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN Muhammad A Saleem, Zeenat Qureshi Stroke Inst, St Cloud, MN
10:09	Discussion	Discussion

## FRIDAY, FEBRUARY 24 (8:45 am - 10:15 am)

Category	Acute Nonendovascular Treatment	
Session Title	Reconsidering Neuroprotection in the Reperfusion Era (a Stroke journal Session)	
Session Type	Invited Symposium	
Room	Grand Ballroom A	
Moderator(s)	Marc Fisher, MD, FAHA, Boston, MA Argye E Hillis, MD, Baltimore, MD	For changes to the program made since the Final Program went to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the
8:45	Freezing the Ischemic Penumbra Marc Fisher, MD, FAHA, Boston, MA	Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.
8:59	Non-pharmacological Approaches Jean-Claude Baron, MD, ScD, Paris, France	The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest
9:13	Pharmacological Approaches Sean I Savitz, MD, FAHA, Houston, TX	information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the ISC abstracts online in the <i>Stroke</i> journal.
9:27	Reperfusion Injury: Another Pharmacological Target after Successful Reperfusion Midori A Yenari, MD, FAHA, San Francisco, CA	The number listed immediately after the abstract's title is the abstract's presentation number.
9:41	Trial Design and Implementation Nerses Sanossian, MD, Los Angeles, CA	
9:55	Discussion	

Category	Intracerebral Hemorrhage	Vascular Biology in Health and Disease
Session Title	Intracerebral Hemorrhage Oral Abstracts II	Vascular Biology in Health and Disease Oral Abstracts
Session Type	Abstract	Abstract
Room	Grand Ballroom B	General Assembly C
Moderator(s)	Vasileios-Arsenios Lioutas, MD, Boston, MA Aaron Lord, MD, New York, NY	Milton Hamblin, PhD, New Orleans, LA Jean-Pyo Lee, MD, New Orleans, LA
8:45	The Role of Vascular Amyloid β in the Formation of Microhemorrhages in Cerebral Amyloid Angiopathy 211 Susanne J van Veluw, Massachusetts General Hosp, Boston, MA Steven Greenberg, Massachusetts General Hosp, Boston, MA	Pericytic Laminin Regulates Blood-Brain Barrier Integrity in an Age-Dependent Manner 218 Yao Yao, Univ of Minnesota, Minneapolis, MN Xuanming Zhang, Univ of Minnesota, Minneapolis, MN
8:57	Cortical Superficial Siderosis and Risk of Recurrent Intracerebral Haemorrhage in Cerebral Amyloid Angiopathy: A Meta-analysis 212  Andreas Charidimou, Massachusetts General Hosp Stroke Res Ctr, Harvard Medical Sch, Boston, MA  Anand Viswanathan, Massachusetts General Hosp Stroke Res Ctr, Harvard Medical Sch, Boston, MA	Early-onset Cerebrovascular Disease and Smooth Muscle Dysfunction Associated with a Novel Mylk1 Mutation 219  Matheus Malta de Sá, Univ of São Paulo Faculty of Med, São Paulo, Brazil Kevin A Shapiro, Univ of California, San Francisco, San Francisco, CA
9:09	Hematoma-infiltrating Macrophages Transition From Inflammatory to Reparative Programs in Patients After Intracerebral Hemorrhage 213 Michael H Askenase, Yale Univ, New Haven, CT Lauren H Sansing, Yale Univ, New Haven, CT	High Sodium Diet Increases Gut Th17 Differentiation and Induces Neurovascular and Cognitive Dysfunction Through II-17 220 Giuseppe Faraco, Weill Medical Coll of Cornell Univ, New York, NY Costantino ladecola, Weill Medical Coll of Cornell Univ, New York, NY
9:21	Analysis of Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) II Trial by as Treated Groups 214 David S Liebeskind, Neurovascular Imaging Research Core, Los Angeles, CA Reza Jahan, UCLA, Los Angeles, CA	The P2x4 Receptor is Required for Neuroprotection via Ischemic Preconditioning 221  Tomohiko Ozaki, Graduate Sch of Med, Osaka Univ, Suita, Japan Toshihide Yamashita, Graduate Sch of Med, Osaka Univ, Suita, Japan
9:33	Does the CT Angiography Spot Sign Identify Intracerebral Hemorrhage Patients More Likely to Benefit From Intensive Blood Pressure Reduction? 215 Andrea Morotti, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA Joshua N Goldstein, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA	Exercise Training Prevents Rarefaction of Pial Collaterals, Promotes Cerebral Arterial Remodeling, and Lessens Severity of Stroke in Aging Brain 222  James E Faber, Univ of North Carolina, Chapel Hill, NC
9:45	Neuroimaging Profile and Outcomes in Vitamin K Antagonist and Direct Oral Anticoagulant Related Non-traumatic Intracerebral Hemorrhage 216 Georgios Tsivgoulis, Attikon Univ Hosp, Athens, Greece Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN	Brain-derived Neurotrophic Factor Promotes Regenerative Functions of Human Endothelial Progenitor Cells - Roles of miRNAs 223 Tongrong He, Mayo Clinc, Rochester, MN Zvonimir Katusic, Mayo Clinc, Rochester, MN
9:57	See the ISC Mobile Meeting Guide app	Angiogenic Imbalance Causes Cerebrovascular Pathological Neovascularization in Diabetes: Role of Pericytes 224  Mohammed Abdelsaid, Augusta Univ, Augusta, GA Adviye Ergul, Augusta Univ, Augusta, GA
10:09	Discussion	Discussion

#### FRIDAY, FEBRUARY 24 (10:30 am - 12:30 pm)

	Plenary Session
Session Title	Closing Main Event
Session Type	Plenary
Room	Hall C
Moderator(s)	Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC Miguel A Perez-Pinzon, PhD, FAHA, Miami, FL
10:30	Crossfire Debates See ISC Mobile Meeting Guide app or the online ISC Program Planner
11:30	Introduction of the William M Feinberg Lecture Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC
11:33	William M Feinberg Lecture: Big Pictures and Small Vessels Steven M Greenberg, MD, PhD, FAHA, Boston, MA
11:53	Randomized Trial of Hemostatic Therapy for 'Spot Sign' Positive Intracerebral Hemorrhage: Primary Results From the SPOTLIGHT/STOP-IT Study Collaboration LB16  David J Gladstone, Univ of Toronto, Toronto, ON, Canada  Matthew L Flaherty, Univ of Cincinnati, Cincinnati, OH
12:05	Randomized Controlled Trial of Early Versus Delayed Statin Therapy in Patients with Acute Ischemic Stroke LB17 Shinichi Yoshimura, Hyogo Coll of Med, Nisinomiya City, Japan Takeshi Morimoto, Hyogo Coll of Med, Nisinomiya City, Japan
12:17	A Randomized Double-Blind Pilot Study Assessing Vagus Nerve Stimulation (VNS) During Rehabilitation for Improved Upper Limb Motor Function After Stroke LB18  Jesse Dawson, Univ of Glasgow, Glasgow, United Kingdom  Teresa Kimberley, Univ of Minnesota, Minneapolis, MN
12:29	ISC Program Chair's Closing Remarks Bruce Ovbiagele, MD, MSc, MAS, FAHA, Charleston, SC

#### Start Planning Now for the International Stroke Conference 2018 in Los Angeles, California!

#### **CALL FOR SCIENCE**

Thank you for attending the International Stroke Conference 2017. Please don't forget these important dates for the International Stroke Conference 2018, which will take place JANUARY 24-26:

#### **Submit Session Ideas**

Suggested Session Submitter Opens: Monday, Feb 20, 2017 Suggested Session Submitter Closes: Monday, March 20, 2017

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Investigator Travel Award Grants. Strokeconference.org/awardsandlectures

#### **Submit Abstracts**

Submission Opens: Wednesday, May 10, 2017 Submission Closes: Tuesday, Aug 1, 2017

## Submit Late-Breaking Clinical Trials\*, Late-Breaking Basic Science, and Ongoing Clinical Trials Abstracts

Submission Opens: Wednesday, Sept 27, 2017 Submission Closes: Wednesday, Oct 25, 2017

\*There will be a \$250 submission fee attached to the Late-Breaking Clinical Trials abstract submissions.

The link to submit abstracts and/or session ideas can be found at strokeconference.org/submitscience on the opening date listed above.

In order to encourage a broad range of science and speakers, international authors and junior authors are strongly encouraged to submit abstracts for presentation.

For changes to the program made since the Final Program went to print, please check the online Program/Itinerary Planner located on the ISC Web site at strokeconference.org or the Mobile Meeting Guide app. To download the app, search "AHA Events" in the App Store or Google Play.

The Oral Abstracts list the Presenting Author (first) and the Senior Author (last) of the abstract. For the complete Author Block of an abstract (including the Conflict of Interest information), please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org, the Mobile Meeting Guide app, or the ISC abstracts online in the Stroke journal.

The number listed immediately after the abstract's title is the abstract's presentation number.

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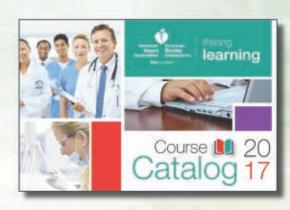




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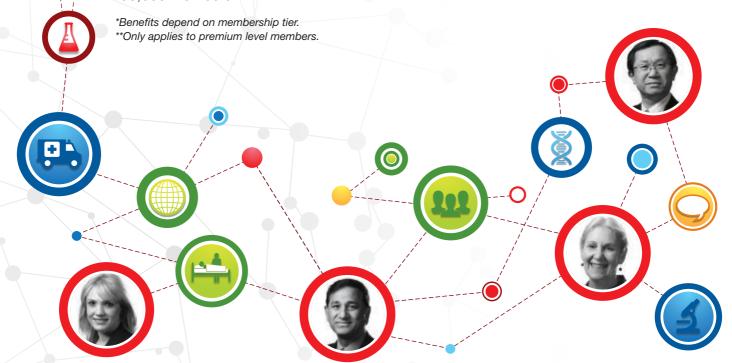
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#### MODERATED POSTER TOURS 6-10

## **ABSTRACTS** 10 9 8 7 6

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## 

## **Poster Hall**

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#### POSTER ABSTRACT PRESENTATIONS

WEDNESDAY, FEBRUARY 22 5:15 PM – 6:45 PM HALL E

5:15 PM – 6:15 PM Professor-Led Poster Tours by Category, Session I: Moderated Q&A with Poster Presenters (Hall E)

Moderated Posters WMP1 – WMP120; see pg 50 – pg 56 in the Poster Abstract Index for a complete listing of all the posters in this Wednesday Professor-Led Poster Tour session.

6:15 PM – 6:45 PM Poster Session I: One-on-One Time for an Individual Q&A with Poster Presenters (Hall E)

These posters are not included in the 5:15 Professor-Led Poster Tour Session above.

Posters WP1 – WP451; see pg 57 – pg 79 in the Poster Abstract Index for a complete listing of all the posters in this Wednesday session.

Late-Breaking Science Posters LBP1 – LBP37; see pg 79 – pg 81 in the Poster Abstract Index for a complete listing of all the Late-Breaking Science posters in this Wednesday session.

THURSDAY, FEBRUARY 23 5:15 PM - 6:45 PM HALL E

5:15 PM – 6:15 PM Professor-Led Poster Tours by Category, Session II: Moderated Q&A with Poster Presenters (Hall E)

Moderated Posters TMP1 – TMP121; see pg 82 – pg 89 in the Poster Abstract Index for a complete listing of all the posters in this Thursday Professor-Led Poster Tour session.

6:15 PM – 6:45 PM Poster Session II: One-on-One Time for an Individual Q&A with Poster Presenters (Hall E)

These posters are not included in the 5:15 Professor-Led Poster Tour Session above.

Posters TP1 – TP449; see pg 89 – pg 111 in the Poster Abstract Index for a complete listing of all the posters in this Thursday session.

PPS1 – PPS4; see pg 111 in the Poster Abstract Index for a complete listing of all the posters in this special Thursday session. These posters contain relevant and important science that was either previously published (print or online) or was previously presented at another meeting prior to the International Stroke Conference 2017.

Ongoing Clinical Trials Posters CTP1 – CTP40; see pg 112 – pg 114 in the Poster Abstract Index for a complete listing of all of the Ongoing Clinical Trials Posters in this Thursday session.

#### PROFESSOR-LED POSTER TOURS AND POSTER SESSIONS

During the ISC 2017 poster sessions, there will be both Professor-Led Poster Tours and Regular Poster Sessions.

The Professor-Led Poster Tours are organized by poster category. Leaders in the stroke field will take groups of conference attendees around 12 speaker-attended posters ordered by category. Each poster presenter will have approximately 2 minutes to present the highlights of his or her work, followed by 3 minutes for a Q&A from attendees. There are 10 different poster tours to select from during each Poster Tour Session.

To be a part of a Poster Tour, please turn to pg 50 (Wednesday) and pg 82 (Thursday) in the Poster Abstracts section of the Final Program and decided which section/category of posters you would like to attend during each of the two Poster Tour Sessions. Five — ten minutes prior to the start time of the Poster Tour Session, simply go to the correspondingly numbered "Section" sign for that section/category of posters.

The regular Poster Sessions are organized by poster category. During the Regular Poster Sessions, poster presenters will stand by their poster for individual Q&A time with attendees; they will not give a formal presentation. These posters are separate and not a part of the Professor-Led Poster Tours. To see the posters in the Regular Poster Session, please turn to pg 57 (Wednesday) and pg 89 (Thursday) in the Poster Abstracts section of the Final Program.

FAHAs and other stroke leaders – please be sure to show your support for young investigators and attend the poster sessions.

For the most current poster moderator and poster information, please check the online Program/Itinerary Planner on the ISC Web site at strokeconference.org and the Mobile Meeting Guide app.

PROFESSOR-LED POSTER TOURS BY CATEGORY: SESSION I WEDNESDAY, FEBRUARY 22 5:15 PM - 6:15 PM Hall E

Acute Endovascular Treatment Moderated Poster Tour I WMP1 - WMP12

#### **SECTION I**

Moderator: Adrian I Qureshi, MD, St Cloud, MN

## Poster Board Number MP1 / Presentation Number WMP1 Cost Effectiveness Analysis of Mechanical Thrombectomy: the THRACE

Cost Effectiveness Analysis of Mechanical Thrombectomy: the THRACE Randomized Trial

Hamza Achit, Francis guillemin, Marc Soudant, Kossar Hosseini, Aurelie Bannay, Serge Bracard, CHU Nancy, Nancy, France

#### Poster Board Number MP2 / Presentation Number WMP2

#### Trevo 2000: Real-World Experience in the First 1247 Patients

Mandy J Binning, Drexel Neurosciences Inst, Philadelphia, PA; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno M Bartolini, La Fondation Rothschild, Paris, France; David S Liebeskind, UC Los Angeles, Los Angeles, CA; Antonin Krajina, Univ Hosp Hradec Kralove, Kralovehracky kraj, Czech Republic; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Christina Maxwell, Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA

#### Poster Board Number MP3 / Presentation Number WMP3 Direct Transfer to Angio-suite to Reduce Door-to-puncture Time in Thrombectomy for Acute Stroke

Marc Ribo, Unitat Neurovascular Hosp, Barcelona, Spain; Alejandro Tomasello, Sandra Boned, Hosp Vall d'Hebron, Barcelona, Spain; Pilar Coscojuela, Jesus Juega, Noelia Rodriguez, Unitat Neurovascular Hosp, Barcelona, Spain; Nicolas Romero, David Hernandez, Hosp Vall d'Hebron, Barcelona, Spain; David Rodriguez-Luna, Jorge Pagola, Marian Muchada, Estela Sanjuan, Carlos Molina, Marta Rubiera, Unitat Neurovascular Hosp. Barcelona. Spain

#### Poster Board Number MP4 / Presentation Number WMP4

Thrombectomy-only versus Combined Intravenous Alteplase and Thrombectomy: Meta-analysis

Michelle P Lin, Geoffrey P Colby, Rafael H Llinas, Johns Hopkins Univ Sch of Med, Baltimore, MD

#### Poster Board Number MP5 / Presentation Number WMP5

Clinical and Cost Effectiveness of Rapid Recanalization within 6 Hours Performed by Intraarterial Thrombectomy for Acute Ischemic Stroke Patients Hye Seon Jeong, Hee Seon Yu, Na Young Yoon, Hae Mi Lee, Jong Wook Shin, Hyon-Jo Kwon, Hyeon-Song Koh, Hee-Jung Song, Jei Kim, Chungnam Natl Univ Hosp, Daejeon, Korea, Republic of

#### Poster Board Number MP6 / Presentation Number WMP6

## Treatment Effect of 3D Stent Retriever with Aspiration and Aspiration Alone in Acute Ischemic Stroke

Raul Nogueira, Grady Health System, Atlanta, GA; Donald Frei, Swedish Medical Ctr, Englewood, CO; Ghita Soulimani, Sophia S Kuo, Hope Buell, Elan Mualem, Leticia Barraza, Arani Bose, Siu Po Sit, Penumbra, Inc, Alameda, CA; Adnan Siddiqui, SUNY Univ at Buffalo & Kaleida Health, Buffalo, NY; for the Penumbra 3D Investigators

#### Poster Board Number MP7 / Presentation Number WMP7

## Intra-arterial Therapy and Post Treatment Infarct Volumes in the Revascat Randomized Controlled Trial

Fahad S Al-Ajlan, Bijoy K Menon, Univ of Calgary, Calgary, AB, Canada; Maria A de Miquel, Hosp de Bellvitge, Barcelona, Spain; Monica Millan, Hosp Germans Trials y Pujol, Barcelona, Spain; Luis San Roman, Hosp Clínic de Barcelona, Barcelona, Spain; Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada; Tudor Jovin, Univ of Pittsburgh, Pittsburgh, PA; Antoni Davalos, Hosp Univri Germans Trias i Pujol, Barcelona, Spain; Mayank Goyal, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number MP8 / Presentation Number WMP8

Thin-sliced Reformatted CT Imaging: Validation of a Safer and Faster Technique to Assess Clot Size and Vessel Diameter in Large Vessel Occlusions Ashish Kulhari, Siddhart Mehta, Venkat Bhaskara, Audrey Z Arango, Laura Suhan, Spozhmy Panezai, Jawad F Kirmani, JFK Medical Ctr, Edison, NJ

#### Poster Board Number MP9 / Presentation Number WMP9

**Endovascular Thrombectomy Impact in the First Three "Golden" Hours** 

Amrou Sarraj, UT Houston, Houston, TX; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno M Bartolini, La Fondation Rothschild, Paris, France; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech Republic; Ryan D Shields, Stryker Neurovascular, Fremont, CA; Raul G Nogueira, Emory Univ, Atlanta, GA; Rishi Gupta, Wellstar Kennestone Hosp, Marietta, GA; Gary R Spiegel, Sean I Savitz, Louise D McCullough, Christine M Farrell, UT Houston, Houston, TX; David S Liebeskind, UC Los Angeles, Dept of Neurology, Los Angeles, CA

#### Poster Board Number MP10 / Presentation Number WMP10

Comparison of 6 mm Diameter and 3-4 mm Diameter Stent Retrievers for Mechanical Thrombectomy in Acute Ischemic Stroke Patients Is Bigger Better?

Ameer E Hassan, UTSCHSA – Valley Baptist, Minneapolis, TX; Christina Sanchez, UTSCHSA – Valley Baptist, Harlingen, TX; Asad Ahrar, Univ of Minnesota, Minneapolis, MN; Saqib A Chaudhry, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr,

Minneapolis, MN

#### Poster Board Number MP11 / Presentation Number WMP11

Joint Commission Certified Stroke Centers Treat More Severe Strokes with Faster Procedure Times Compared to Non-joint Commission Certified Stroke Centers in the Trevo Registry

Rishi Gupta, Dept of Wellstar Neurosurgery, Kennestone Hosp, Marietta, GA; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno M Bartolini, La Fondation Rothschild, Paris, France; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech Republic; Amrou Sarraj, UT Houston, Houston, TX; David S Liebeskind, UC Los Angeles, Dept of Neurology, Los Angeles, CA; Ryan D Shields, Stryker Neurovascular, Fremont, CA; Bin Xiang, Prospect Analytical, Inc, San Jose, CA

#### Poster Board Number MP12 / Presentation Number WMP12

Does IV tPA Improve Outcomes in Stroke Patients with Large Vessel Occlusions Treated with Intra-arterial Therapy?

Joseph T Ho, Providence Medical Group, Olympia, WA; Jason W Tarpley, Providence Southern California, Santa Monica, CA; Hsin-Fang Li, Providence St Vincent Medical Ctr, Portland, OR

**Acute Neuroimaging Moderated Poster Tour** 

WMP13 - WMP24

#### **SECTION 2**

Moderator: Jens Fiehler, MD, Hamburg, Germany

Poster Board Number MP13 / Presentation Number WMP13

Latest Generation of Flat Detector CT as a Periinterventional Diagnostic Tool: A Comparative Study with Multidetector CT

Johanna Rosemarie Leyhe, Ioannis Tsogkas, Amelie Carolina Hesse, Michael Knauth, Marios-Nikos Psychogios, Univ Med Goettingen, Goettingen, Germany

#### Poster Board Number MP14 / Presentation Number WMP14

Accuracy of Smartphone-based Evaluation of Large Vessel Occlusion on CTA Douglas T Hidlay Jr, Ryan McTaggart, Shadi Yaghi, Rhode Island Hosp, Providence, RI; Eleanor Dibiasio, Eric Tung, Warren Alpert Medical Sch, Providence, RI; Grayson Baird, Glenn Tung, Mahesh Jayaraman, Rhode Island Hosp, Providence, RI

#### Poster Board Number MP15 / Presentation Number WMP15

A Simple Tool to Predict Target Mismatch in Ischemic Stroke Patients with Anterior Circulation Occlusion

Adam de Havenon, Steve O'Donnell, Alex Linn, Scott McNally, Bailey Dunleavy, Jennifer Majersik, Univ of Utah, University of Utah, UT

#### Poster Board Number MP16 / Presentation Number WMP16

Relative Dwi Signal Intensity as a Predictor of Stroke Onset Time Compared to the Visual DWI/FLAIR Mismatch

Anke Wouters Jr, Patrick Dupont, UZLEUVEN, Leuven, Belgium; Sören Christensen, Maarten G Lansberg, Greg W Albers, Stanford Univ, Palo Alto, CA; Vincent Thijs, Florey Inst of Neuroscience and Mental Health, Heidelberg, Australia; Robin Lemmens, UZLEUVEN, Leuven, Belgium

#### Poster Board Number MP18 / Presentation Number WMP18

Assessment of Perfusion Pattern Can be Useful for Predicting the Progression of Lacunar Infartion

Dong Hoon Shin, Gachon Univ Gil Medical Ctr, Incheon, Korea, Republic of

#### Poster Board Number MP19 / Presentation Number WMP19

Identifying in vivo Luminal Thrombus Within 72 Hours After Stroke Onset: Interim Results of the Stroke Imaging Package Study

Wei-hai Xu, Peking Union Medical Coll Hosp, Beijing, China; Huisheng Chen, General Hosp of Shenyang Military Region, Shen Yang, China; Yi Yang, First Hosp of Jilin Univ,Jilin, Chang Chun, China; Jun Xu, Subei People's Hosp of Jiangsu Province, Yangzhou, China; Meng Zhang, Daping Hosp and the Res Inst of Surgery of the Third Military Medical Univ, Chongqing, China; Baoquan Lu, Tangshan Gongren Hosp, Tangshan, China; Shiwen Wu, General Hosp of Chinese Armed Police Forces, Beijing, China; Yong You, The First Affiliated Hosp of Univ of South China, Chang Sha, China; Zhangyu Zhou, Fujian Medical Univ, Fuzhou, China; Hongtao Hu, Beijing Jishuitan Hosp, Beijing, China; Le Fang, China-Japan Union Hosp, Chang Chun, China; Zhengqi Lu, Third Affiliated Hosp, Sun Yat-Sen Univ, Guangzhou, China; Min Lou, Second Affiliated Hosp, Sch of Med, Hangzhou, China; Haiqing Song, Beijing Xuanwu Hosp, Beijing, China; Mingli Li, Peking Union Medical Coll Hosp, Beijing, China; Yining Huang, Peking Univ First Hosp, Beijing, China

#### Poster Board Number MP20 / Presentation Number WMP20

## The Basilar Artery on Computed Tomography Angiography (batman) Prognostic Score for Basilar Artery Occlusion

Fana Alemseged, Darshan G Shah, Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Marina Diomedi, Fabrizio Sallustio, Stroke Unit, Dept of Neuroscience, Univ Hosp of "Tor Vergata", Rome, Italy; Andrew Bivard, Dept of Neurology, John Hunter Hosp, Univ of Newcastle, Newcastle, Australia; Gagan Sharma, Peter J Mitchell, Richard J Dowling, Dept of Radiology, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Bernard Yan, Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Paolo Stanzione, Stroke Unit, Dept of Neuroscience, Univ Hosp of "Tor Vergata", Rome, Italy; Mark W Parsons, Christopher R Levi, Dept of Neurology, John Hunter Hosp, Univ of Newcastle, Newcastle, Australia; Stephen M Davis, Bruce CV Campbell, Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia

#### Poster Board Number MP21 / Presentation Number WMP21

The Delayed Vessel Sign in Multiphase CT Angiography: Facilitating the Rapid On-table Confirmation of Acute Ischaemic Stroke

Danielle Byrne, Gavin Sugrue, Emma Stanley, Sean Murphy, Eoin Kavanagh, Peter MacMahon, Mater Misericordiae Univ Hosp, Dublin, Ireland

#### Poster Board Number MP22 / Presentation Number WMP22

Multiparametric CT Perfusion to Determine the Collaterals Status in Patients With Acute Ischemic Stroke: A New Perfusion Index

Ahmed J Awad, Sayedhedayatollah Ehsan Tadayon, Daniel Wei, Icahn Sch of Med at Mount Sinai, New York, NY; Reham R Haroun, Univ of Utah Sch of Med, Salt Lake City, UT; Thomas J Oxley, Johanna T Fifi, Amish H Doshi, Reade A De Leacy, Joshua B Bederson, J Mocco, Kambiz Nael, Icahn Sch of Med at Mount Sinai, New York, NY

#### Poster Board Number MP23 / Presentation Number WMP23

Enhanced Collaterals in Patients with Large Vessel Stroke from Intracranial Atherosclerosis: An Automated CT Perfusion-based Study

Diogo C Haussen, Mehdi Bouslama, Seena Dehkharghanii, Meredith Bowen, Jason Faggard, Jonathan A Grossberg, Larry Moyer, Michael R Frankel, Raul G Nogueira, Emory Univ SOM, Atlanta, GA

#### Poster Board Number MP24 / Presentation Number WMP24

## CT Angiography Collateral Gradient Mapping: Validation of a Novel Imaging Technique in Acute Ischemic Stroke

David S Liebeskind, Elijah Agbayani, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Baixue Jia, Beijing Tian Tan Hosp, Beijing, China; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Jason D Hinman, Neurovascular Imaging Res Core, Los Angeles, CA; Radoslav Raychev, Latisha K Sharma, Doojin Kim, Neal M Rao, Sidney Starkman, Jeffrey L Saver, Reza Jahan, Viktor Szeder, Satoshi Tateshima, Gary R Duckwiler, UCLA, Los Angeles, CA; Fabien Scalzo, Neurovascular Imaging Res Core, Los Angeles, CA; for the UCLA Stroke Investigators

Moderator: Michael Levitt, MD, Seattle, WA

Poster Board Number MP25 / Presentation Number WMP25

Mean Platelet Volume as a Predictor of Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage

Bappaditya Ray, Lane Tinsley, Lori K Yearout, David M Thompson, The Univ of klahoma Health Sciences, Oklahoma City, OK

Poster Board Number MP27 / Presentation Number WMP27

#### Cerebral Blood Velocity Changes During Dobutamine Administration for Experimental Subarachnoid Hemorrhage in Mice

Kazuhiro Nakamura, Res Inst for Brain and Blood Vessels Akita, Akita, Japan; Tatsushi Mutoh, Kazumasu Sasaki, Yasuyuki Taki, Inst of Development, Aging and Cancer, Tohoku Univ, Sendai, Japan; Tatsuya Ishikawa, Res Inst for Brain and Blood Vessels Akita, Akita, Japan

Poster Board Number MP28 / Presentation Number WMP28

## Optimizing Cerebral Perfusion in Comatose Patients with Acute eurological Illness

Lucia A Rivera Lara, Romer Geocadin, Andres Zorrilla-Vaca, Ryan Healy, Batya R Radzik, Caitlin Palmisano, Marek Mirski, Charles Hogue, Wendy Ziai, John Hopkins Univ, Baltimore, MD

Poster Board Number MP29 / Presentation Number WMP29

## Trends of Angioplasty for Cerebral Vasospasm in Endovascularly Treated Aneurysmal Subarachnoid Hemorrhages

Tapan V Mehta, Univ of Connecticut, Hartford, CT; Smit Patel, Univ of Pittsburgh, Pittsburgh, PA; Mohammed Hussain, Priya Narwal, Dimitre Mirtchev, Univ of Connecticut, Hartford, CT; Amre Nouh, Martin Ollenschlegher, Hartford Hosp, Hartford, CT; Inam Kureshi, Univ of Connecticut, Hartford, CT

Poster Board Number MP30 / Presentation Number WMP30

## Circulating MicroRNAs as Potential Novel Diagnostic Biomarkers for Ruptured Intracranial Aneurysm

Zhang Xin Jr, The Third People's Hosp of Dalian, Dalian, China; Liu Li Ping, Beijing Tiantan Hosp; Capital Medical Univ, Beijing, China

Poster Board Number MP31 / Presentation Number WMP31 Integration of MRA and CTA for Brain Aneurysm Follow up

Aichi Chien, Dan Ruan, UCLA, Los Angeles, CA

Poster Board Number MP32 / Presentation Number WMP32

## Cost-Effectiveness of Flow Diverters versus Coiling in the Treatment of Carotid Sidewall Aneurysms

Michel Piotin, Gabriele Ciccio, Hocine Redjem, Stanislas Smajda, Jean Philippe Desilles, Mikael Mazighi, Thomas Robert, Raphaël Blanc, Fondation Rothschild, Paris. France

Poster Board Number MP33 / Presentation Number WMP33

## Peri-operative Dual Antiplatelet Therapy for the Coil Embolization of Unruptured Brain Aneurysms: The Efficacy and the Side Effect

Kenichi Sakuta Sr, Ichiro Yuki, Toshihiro Ishibashi, Shogo Kaku, Yuichi Sasaki, Yuichi Murayama, The Jikei Univ Sch of Med, Tokyo, Japan

Poster Board Number MP34 / Presentation Number WMP34

## Low Yield of Further Angiographic Follow-up in Adequately Occluded Aneurysms After Flow Diversion

Nohra Chalouhi, Guilherme Barros, Stavropoula Tjoumakaris, Ayan Kumar, Michael Lang, Robert Rosenwasser, Pascal Jabbour, Thomas Jefferson Univ and Jefferson Hosp for Neuroscience, Philadelphia, PA

Poster Board Number MP35 / Presentation Number WMP35

## The Characteristics of Infectious Intracranial Aneurysm and Indication of Cerebral Angiogram in Infective Endocarditis (IE)

Sung-Min Cho, Robert Marquardt, Lucy Zhang, Prateek Thatikunta, Ken Uchino, Dolora Wisco, Cleveland Clinic, Cleveland, OH

Poster Board Number MP36 / Presentation Number WMP36

## Inhibition of the Endothelial Shear Stress Sensor, P2x4 Purinoceptor Drastically Reduces Cerebral Aneurysm Formation

Shunichi Fukuda, Mlyuki Fukuda, Kyoto Medical Ctr, Kyoto, Japan; Joji Ando, Dokkyo Medical Univ, Mibu, Japan; Kimiko Yamamoto, Tokyo Univ, Tokyo, Japan; Tetsuya Tuskahara, Yuki Ito, Koji Hasegawa, Kyoto Medical Ctr, Kyoto, Japan Basic and Preclinical Neuroscience of Stroke Recovery Moderated Poster Tour

WMP37 - WMP48

**SECTION 4** 

Moderator: Cesario Borlongan, MA, PhD, Tampa, FL

Poster Board Number MP37 / Presentation Number WMP37

## MicroRNA-29a Protects Against Cerebral Ischemia and Reperfusion Injury by Targeting NADPH Oxidase 4

Yong-Hua Tuo, Zhong Liu, First Affiliated Hosp of Sun Yat-sen Univ, Guangzhou, China; Lei Feng, Kaiser Permanente Medical Ctr, Los Angeles, CA; Zhong-Song Shi, First Affiliated Hosp of Sun Yat-sen Univ, Guangzhou, China

Poster Board Number MP38 / Presentation Number WMP38

## Inhibition of Rip1 Kinase Improves Brain Functional Recovery After Ischemic Stroke via Reducing Astrocytic Scar Formation

Huiling Zhang, Zhong-Sheng Li, Yong Ni, Xian-Yong Zhou, Shi-Gang Qiao, Soochow Univ, Suzhou, China

Poster Board Number MP39 / Presentation Number WMP39

## Indispensable Role of CCR5 Signaling In Tregs Protection Against Early Blood Brain Barrier Disruption After Stroke

Peiying Li, Long Wang, Renji Hosp, Shanghai, China; Xiaoming Hu, Jun Chen, Univ of Pittsburgh. Pittsburgh. PA

Poster Board Number MP41 / Presentation Number WMP41

## Neuronal Sirt1 is Required for Resveratrol Preconditioning Induced Ischemic Tolerance

Kevin B Koronowski, Isa Saul, Zachary Balmuth-Loris, Miguel Perez-Pinzon, Univ of Miami, Miami, FL

Poster Board Number MP42 / Presentation Number WMP42

## Neuro and Gliogenesis in a Nonhuman Primate Model of Ischemic Stroke with Impaired Dexterous Movements

Gourav Choudhury, Marcel Daadi, Texas Biomedical Res Inst, San Antonio, TX

Poster Board Number MP43 / Presentation Number WMP43

## Neurorestorative Therapy of Stroke in T2DM Mice With Exosomes Derived From Brain Endothelial Cells

Jieli Chen, Chengcheng Cui, Alex Zacharek, Poornima Venkat, Peng Yu, Michael Chopp, Henry Ford Hosp, Detroit. MI

Poster Board Number MP44 / Presentation Number WMP44

Functional Recovery Following a Combination of Thrombin Inhibitor Argatroban and Tissue Plasminogen Activator (tPA) in Thromboembolic Stroke in Nonhuman Primates

Junko Suzuki, Yoshitaka Itani, Shinya Ogawa, Kazunori Yamanaka, Ikuo Hayashi, Hiroyuki Takamatsu, Hamamatsu Pharma Res, Inc, Hamamatsu, Japan

Poster Board Number MP45 / Presentation Number WMP45

Targeted Inhibition of the Alternative Complement Pathway Enhances Rehabilitation-Induced Cognitive and Motor Recovery in a Murine Model of Chronic Stroke

Ali Alawieh, Meredith Andersen, DeAnna L Adkins, Stephen Tomlinson, Medical Univ of South Carolina, Charleston, SC

Poster Board Number MP46 / Presentation Number WMP46

Exosomes Derived From Bone Marrow Mesenchymal Stem Cells of Type Two Diabetes Rats Promotes Neurorestoration After Stroke in Type Two Diabetic Rats

Poornima Venkat, Michael Chopp, Alex Zacharek, Jieli Chen, Henry Ford Health System, Detroit, MI

Poster Board Number MP47 / Presentation Number WMP47

Robot-assisted Mechanical Therapy Protects Against Stroke-induced Skeletal Muscle Injury

Maria HH Balch, Chandan K Sen, Savita Khanna, Hallie Harris, Surya Gnyawali, Cameron L Rink, The Ohio State Univ, Columbus, OH

Poster Board Number MP48 / Presentation Number WMP48

## Cerebral Endothelial Derived Exosomes Abolish Cognitive Impairment Induced by Ablation of Dicer in Adult Neural Progenitor Cells

Rui Lan Zhang, Wanlong Pan, Henry Ford Hosp, Detroit,, MI; Xiaoming Zhang, Medical Imaging Inst of North Sichuan Medical Univ, Nanchong, China; Xianshuang Liu, Julie Landschoot-Ward, Chao Li, Baoyan Fan, Xinli Wang, Michael Chopp, Zheng Gang Zhang, Henry Ford Hosp, Detroit,, MI

#### Community/Risk Factors Moderated Poster Tour I WMP49 - WMP60

#### **SECTION 5**

Moderator: Clinton B Wright, MD, MS, Miami, FL

#### Poster Board Number MP49 / Presentation Number WMP49

## White Matter Hyperintensities in a High Risk Population Living in Marginal Housing (HOTEL study)

Lily W Zhou, William J Panenka, UBC, Vancouver, BC, Canada; Allen Thornton, Simon Fraser Univ, Vancouver, BC, Canada; Geoffrey Smith, Alasdair Barr, Alexander Rauscher, Donna Lang, Wayne Su, UBC, Vancouver, BC, Canada; Kristina Gicas, Simon Fraser Univ, Vancouver, BC, Canada; Melissa Woodward, Tari Buchanan, Talia Vertinsky, Manraj Heran, Fidel Vila-Rodriguez, G William MacEwan, William Honer, Thalia Field, UBC, Vancouver, BC, Canada

#### Poster Board Number MP50 / Presentation Number WMP50

## Decomposition of Ethnic Differences in Stroke Recurrence – The Role of Education and Biological Stroke Risk Factors

Lewis Morgenstern, Brisa N Sanchez, Erin Case, Lynda Lisabeth, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number MP51 / Presentation Number WMP51

# Risk and Timing of of Ischemic Stroke Following Acute Myocardial Infarction Alexander E Merkler, Gino Gialdini, Santosh Murthy, Clinical and Translational euroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Shadi Yaghi, Warren Alpert Medical Sch of Brown Univ, New York, NY; Babak Navi, Costantino Iadecola, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Jonathan W Weinsaft, Peter M Okin, Weill Cornell Med, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

## Poster Board Number MP52 / Presentation Number WMP52 Incidence of Ischemic and Hemorrhagic Stroke Amongst Asians in the United States

Antonio Moya, Gino Gialdini, Alexander Merkler, Hooman Kamel, Matthew E Fink, Babak Navi, Michael P Lerario, Gary L Bernadini, Ji Chong, Santosh B Murthy, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP53 / Presentation Number WMP53

## A Sex-specific Genome-wide Association Study of Ischemic Stroke in The Stroke Genetics Network (SiGN)

Myriam Fornage, Univ of Texas Health Science Ctr at Houston, Houston, TX; Jordi Jimenez-Conde, IMIM Hosp del Mar Medical Res Inst, Barcelona, Spain; Steven J Kittner, Univ of Maryland Medical Ctr, Baltimore, MD; Hugh S Markus, Univ of Cambridge, London, United Kingdom; Braxton Mitchell, Univ of Maryland Medical Ctr, Baltimore, MD; Sara L Pulit, Utrecht Univ, Utrecht, Netherlands; Tatjana Rundek, Univ of Miami Health System, Miami, FL; Sylvia Wassertheil-Smoller, Albert Einstein Medical Coll, New York, NY; Stephen R Williams, Univ of Virginia, Charlottesville, A; Kathryn M Rexrode, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA

#### Poster Board Number MP54 / Presentation Number WMP54

## Association Between Arterial Stiffness and All-cause Mortality Among Stroke Survivors in the United States

Michelle P Lin, Johns Hopkins Univ Sch of Med, Baltimore, MD; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC; Rebecca F Gottesman, Johns Hopkins Univ Sch of Med, Baltimore, MD; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Daniela Markovic, Univ of California Los Angeles, Los Angeles, CA; Amytis Towfighi, Univ of Southern California, Los Angeles, CA

#### Poster Board Number MP55 / Presentation Number WMP55

Risk Factors and Composite Risk Score for Predicting Stroke After Sepsis Yuefan Shao, Erin Kulick, Columbia Univ, New York, NY; Hooman Kamel, Cornell Univ, New York, NY; Mitchell Elkind, Amelia K Boehme, Columbia Univ, New York, NY

#### Poster Board Number MP56 / Presentation Number WMP56 Increase in Rate of Utilization of Withdrawal of Care in Acute Ischemic Stroke Patients in USA

Malik M Adil, Richard Zweifler, Ochsner Clinic Fndn, New Orleans, LA

#### Poster Board Number MP57 / Presentation Number WMP57

## Declining Blood Pressure is Associated with Subcortical Microinfarcts in Older Adults

Mekala R Raman, Jonathan Graff-Radford, Scott A Przybelski, Timothy G Lesnick, Michelle M Mielke, Rosebud O Roberts, Bradley F Boeve, David S Knopman, Ronald C Petersen, Joseph E Parisi, Mayo Clinic, Rochester, MN; Dennis W Dickson, Mayo Clinic, Jacksonville, FL; Clifford R Jack Jr, Kejal Kantarci, Mayo Clinic, Rochester, MN

#### Poster Board Number MP58 / Presentation Number WMP58

## Blacks Have Higher Risk of 1-Year Recurrent Ischemic Stroke: An Analysis of White and Black Medicare Beneficiaries 1999-2013

Karen C Albright, Lei Huang, Justin Blackburn, George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Michael Mullen, Univ of Pennsylvania, Philadelphia, PA; Vera Bittner, Paul Muntner, Virginia Howard, Univ of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number MP59 / Presentation Number WMP59

## Premorbid Blood Pressure Control of Incident Transient Ischaemic Attacks and Strokes; Prevalence and Determinants; Analysis of Individual Patient Data over 10 Years

Chamila Mettananda, Lixin Li, Gary Lau, Rose Wharton, Linda Bull, Ellen McCulloch, Sarah Welch, Ziyah Mehta, Sergei Gutnikov, Louise Silver, Peter Rothwell, Nuffield Dept of Clinical Neurosciences, Univ of Oxford, Oxford, United Kingdom; Oxford Vascular Study

# Poster Board Number MP60 / Presentation Number WMP60 Association Between Liver Cirrhosis and Stroke in a Nationally Representative Cohort

Neal S Parikh, Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Yecheskel Schneider, Weill Cornell Med, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

Diagnosis of Stroke Etiology Moderated Poster Tour **WMP61 - WMP72** 

#### **SECTION 6**

Moderator: Mark Alberts, MD, Hartford, CT

#### Poster Board Number MP61 / Presentation Number WMP61 Automatic Detection of Paroxysmal Atrial Fibrillation in Ischemic Stroke

Automatic Detection of Paroxysmal Atrial Fibrillation in Ischemic Stroke Patients: Better Than Routine Diagnostic?

Timo Uphaus, Anne Grings, Sonja Gröschel, Aneka Müller, Univ of Mainz, Mainz, Germany; Mark Weber-Krüger, Rolf Wachter, Univ of Göttingen, Göttingen, Germany; Klaus Gröschel, Univ of Mainz, Mainz, Germany

#### Poster Board Number MP62 / Presentation Number WMP62 PR Interval Prolongation and Cryptogenic Stroke: A Multicenter Retrospective Study

Mayra J Montalvo, Prasanna Tadi, Warren Alpert Medical Sch of Brown Univ, Providence, RI; Alexander Merkler, Gino Gialdini, Weill Cornell Medical Coll, New York, NY; Sheryl Martin-Schild, Tulane Univ Medical Ctr, New Orleans, LA; Digvijaya Navalkele, Tulane Univ Medical Ctr, New Orleans, LA; Alyana Samai, Tulane Univ Medical Ctr, New Orleans, LA; Amre Nouh, Mohammad Hussain, Steven Goldblatt, Hartford Hosp, Hartford, CT; Morgan Hemendinger, Antony Chu, Christopher Song, Warren Alpert Medical Sch of Brown Univ, Providence, RI; Hooman Kamel, Weill Cornell Medical Coll, New York, NY; Karen L Furie, Shadi Yaghi, Warren Alpert Medical Sch of Brown Univ, Providence, RI

#### Poster Board Number MP63 / Presentation Number WMP63

## Prevalence of Occult Paroxysmal Atrial Fibrillation in Non-Cryptogenic Ischemic Stroke Patients

Jeffrey M Katz, Michele Gribko, Ram Jadonath, Rohan Arora, Elliott Salamon, Ann Garlitzki, Anand Patel, Paul Wright, Richard B Libman, Northwell Health, Manhasset. NY

#### Poster Board Number MP64 / Presentation Number WMP64

## Utility of Left Atrial Abnormality on Admission Electrocardiography in Acute Ischemic Stroke

Yukio Sugiyama, Nobuyuki Ohara, Kotaro Watanabe, Junya Kobayashi, Daisuke Takahashi, Osaka Minami Medical Ctr. Kawachinagano, Osaka, Japan

#### Poster Board Number MP65 / Presentation Number WMP65

#### Association Between Sinus Bradycardia and Ischemic Stroke

Sammy D Pishanidar, Saad A Mir, Hooman Kamel, Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP66 / Presentation Number WMP66

## Cerebrovascular Hemodynamics of Mechanical Circulatory Support Device Patients

Kara R Melmed, Konrad H Shlick, Brenda Rinsky, Shlee S Song, Patrick D Lyden, CSMC, Los Angeles, CA

#### Poster Board Number MP67 / Presentation Number WMP67

#### Thrombogenic Effect of FFAs in Cardioembolic Stroke

Woo-Keun Seo, Samsung Medical Ctr, Seoul, Korea, Republic of; Jin-Man Seo, Korea Univ Ansan Hosp, Kyungki-do, Korea, Republic of; Kyungmi Oh, Korea Univ Guro Hosp, Seoul, Korea, Republic of

#### Poster Board Number MP68 / Presentation Number WMP68

#### **Evidence of Cardiac Stress in Acute Cerebral Venous Thrombosis**

Michelle C Johansen, Rebecca Gottesman, Victor Urrutia, Johns Hopkins, Baltimore, MD

#### Poster Board Number MP69 / Presentation Number WMP69

#### Predictive Value of Diagnostic Testing for Detection of Deep Vein Thrombosis in Ischemic Stroke Patients with Intracardiac Shunt

Digvijaya Navalkele, Dominique Monlezun, Tulane Univ, New Orleans, LA; Alyana Samai, West Jefferson Medical Ctr, Marerro, LA; Ramy El Khoury, Laurie Schluter, Touro Infirmary & NOEH, New Orleans, LA; Melissa Freeman, Touro Infirmary, New Orleans, LA; Sheryl Martin-Schild, Touro Infirmary & NOEH, New Orleans, LA

#### Poster Board Number MP70 / Presentation Number WMP70

## Enhancement of Atherosclerosis Prediction by Interaction of Circulating mir-212 with Hemoglobin A1c, Lipoprotein(a), and High-density Lipoprotein Cholesterol

Hye Seon Jeong, Jeeyeon Kim, Seo Hyun Lee, Junha Hwang, Jong Wook Shin, Sukhoon Lee, Jei Kim, Chungnam Natl Univ Hosp, Daejeon, Korea, Republic of

#### Poster Board Number MP71 / Presentation Number WMP71

## Moyamoya-atherosclerosis Syndrome: Clinical and High-resolution Magnetic Resonance Imaging Features

Lian Duan, 307 Hosp, PLA, Beijing, China; Wei-Hai Xu, Peking Union Medical Coll Hosp, Beijing, China; Cong Han, 307 Hosp, PLA, Beijing, China

#### Poster Board Number MP72 / Presentation Number WMP72

## Peptide Composition of Stroke Causing Emboli Correlate With Serum Predictors of Atherosclerosis

Neal M Rao, David Geffen Sch Of Med at UCLA, Los Angeles, CA; Joseph Capri, Whitaker Cohn, Univ of California, Los Angeles, Los Angeles, CA; Maram Y Abdaljaleel, Lucas Restrepo-Jimenez, Jeffrey A Gornbein, William H Yong, David S Liebeskind, David Geffen Sch Of Med at UCLA, Los Angeles, CA; Julian P Whitelegge, David Geffen Sch of Med at UCLA, Los Angeles, CA

**Experimental Mechanisms and Models Moderated Poster Tour** 

WMP73 - WMP84

#### SECTION 7

Moderator: Luther Creed Pattigrew, MD, Lexington, KY

#### Poster Board Number MP73 / Presentation Number WMP73

## Peripheral T Cells From MCAO Mice Contribute to Microglial Polarization Dan Ye, The Third Affiliated Hosp of Soochow Univ, Changzhou, China; Yun Xu, Drum

Tower Hosp, Medical Sch of Nanjing Univ, Nanjing, China

#### Poster Board Number MP74 / Presentation Number WMP74

## Sex Differences in T Cell Immune Responses and Outcome After Stroke in Aged Mice

Hilda Ahnstedt, Anthony Patrizz, Javiera Bravo-Alegria, Monica Sphychala, Meaghan Roy-O'Reilly, Anjali Chauhan, Louise D McCullough, Univ of Texas Health Science Ctr, Houston. TX

#### Poster Board Number MP75 / Presentation Number WMP75

Age- and Sex-Specific Development of Cerebral Microbleeds in a Mouse Model Rachita Sumbria, Keck Graduate Inst, Claremont, CA; Mher Grigoryan, Vitaly Vasilevko, Quoc Tuan Pham Ngo, Kristie Nguyen, Ronald Kim, Annlia Paganini-Hill, David Cribbs, Mark Fisher, Univ of California Irvine, Irvine, CA

#### Poster Board Number MP76 / Presentation Number WMP76

## Clots are Potent Triggers of Inflammatory Cell Gene Expression – Indications for Timely Fibrinolysis in Stroke

Robert A Campbell, Tammy Smith, Adriana Vieira-de-Abreu, Zechriah G Franks, Jesse W Rowley, Matthew T Rondina, Larry W Kraiss, Guy A Zimmerman, Andrew S Weyrich, Univ of Utah, Salt Lake City, UT

#### Poster Board Number MP77 / Presentation Number WMP77

#### Combination of Metabolic and Transcriptional Profiling Identifies Pentose Phosphate Pathway Activation by Heat Shock Protein 27 Phosphorylation During Cerebral Ischemia

Yusuke Yamamoto, Kohkichi Hosoda, Taichiro Imahori, Yasuhiro Irino, Masakazu Shinohara, Jun Tanaka, Tomoaki Nakai, Naoko Sato, Eiji Kohmura, Kobe Univ Graduate Sch of Med. Kobe, Japan

#### Poster Board Number MP78 / Presentation Number WMP78

## Prostaglandin $D_2$ DP1 Receptor Attenuates the Effects of Post-stroke Sleep Disturbance on Stroke Outcomes

Abdullah S Ahmad, Pradip K Kamat, Damian Hernandez, Sylvain Dore, Univ of Florida, Gainesville, FL

#### Poster Board Number MP79 / Presentation Number WMP79

## Characterization of Acute Stoke Induced by Photochemically-induced Thrombosis (PIT) in Nonhuman Primate (NHP)

Junko Suzuki, Yoshitaka Itani, Shinya Ogawa, Kazunori Yamanaka, Yũ Tanaka, Hiroyuki Takamatsu, Hamamatsu Pharma Res, Inc, Hamamatsu, Japan

#### Poster Board Number MP80 / Presentation Number WMP80

#### Micro RNA-Therapy in Murine Thromboembolic Stroke

Kumar Vaibhav, Shannon Williams, Augusta Univ, Augusta, GA; Sumbul Fatima, Hamdard Univ, New Delhi, India; Babak Baban, Krishnan M Dhandapani, David Hess, Md Nasrul Hoda. Augusta Univ. Augusta. GA

#### Poster Board Number MP81 / Presentation Number WMP81

#### Low Dose tPA Worsens The Short Term Outcomes After Thromboembolic Stroke In Both Male And Female Diabetic Animals

Weiguo Li, John Paul Valenzuela, Guangkuo Dong, Rebecca Ward, Augusta Univ, Augusta, GA; Susan C Fagan, Univ of Georgia, Augusta, GA; Adviye Ergul, Augusta Univ, Augusta, GA

#### Poster Board Number MP82 / Presentation Number WMP82

#### Exosomes Derived From Cerebral Endothelial Cells of Young Adult Rats Reduced Cognitive Deficits in Aged Diabetic Rats

Li Zhang, Michael Chopp, Chao Li, Quan Jiang, Guang Liang Ding, Yanlu Zhang, Ye Xiong, Min Wei, Zheng Gang Zhang, Henry Ford Hosp, Detroit, MI

#### Poster Board Number MP83 / Presentation Number WMP83

Extracellular Vimentin Contributes to Von Willebrand Factor (VWF) String Formation in the Cerebrovasculature Following Endothelial Activation Sung-Ha Hong, Titilope Ishola, Qi Da, Miguel A Cruz, Sean P Marrelli, Baylor Coll of Med. Houston. TX

#### Poster Board Number MP84 / Presentation Number WMP84

## Intranasal Trans-olfactory Delivery of the Angiotensin Type 2 Receptor Agonist Compound 21 is Neuroprotective in Ischemic Stroke

Douglas M Bennion, Jacob D Isenberg, Alex N Dang, Chad H Jones, Justin T Graham, Univ of Florida, Gainesville, FL; Ulrike M Steckelings, Univ of Southern Denmark, Odense, Denmark; Colin Sumners, Univ of Florida, Gainesville, FL

Health Services, Quality Improvement, and WMP85 – WMP96 Patient-Centered Outcomes Moderated Poster Tour I

#### **SECTION 8**

Moderator: Aneesh Singhal, MD, Boston, MA

#### Poster Board Number MP85 / Presentation Number WMP85

## Target Stroke Implementation: Best Practice Strategies Cut Thrombolysis Time to <30 minutes in a 1,550 Bed Academic Urban County Hospital

Erika T Marulanda-Londoño, Nirav Bhatt, Kunakorn Atachaneeyasakul, Amer M Malik, Negar Asdaghi, Univ of Miami, Miami, FL; Nida Akram, Jackson Memorial Hosp, Miami, FL; Tony J Zhang, Univ of Miami, Miami, FL; Daniel D'Amour, Kathy Hesse, Jackson Memorial Hosp, Miami, FL; Ralph L Sacco, Jose G Romano, Univ of Miami, Miami, FL

#### Poster Board Number MP86 / Presentation Number WMP86

Reasons for Slower Door-to-Needle Times and Their Impact on Timing of Treatment and Outcomes: Findings From Get With The Guidelines-Stroke
Noreen Kamal, Univ of Calgary, Calgary, AB, Canada; Shubin Sheng, Duke Univ,
Durham, NC; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Ying Xian, Duke
Univ, Durham, NC; Lee H Schwamm, Brigham and Women's Hosp and Harvard
Medical Sch, Boston, MA; Deepak L Bhatt, Harvard Medical Sch, Boston, MA; Gregg C
Fonarow, Univ of California Los Angeles, Los Angeles, CA; Roland Matsouaka, Duke
Univ, Durham, SC; Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA;
Mathew J Reeves, Michigan State Univ, East Lansing, MI; Eric E Smith, Univ of
Calgary, Calgary, AB, Canada

#### Poster Board Number MP87 / Presentation Number WMP87

## Simulation Based Medical Education Improves Door to Needle Times in Acute Ischemic Stroke Management

Tapan V Mehta, Sara Strauss, Univ of Connecticut, Hartford, CT; Dawn Beland, Ilene Staff, Gilbert Fortunato, Nora Lee, Hartford Hosp, Hartford, CT

# Poster Board Number MP88 / Presentation Number WMP88 Temporal Trends in the Rates of Endovascular Treatment for Patients Presenting with Acute Ischemic Stroke

Syed F Ali, Thabele M Leslie-Mazwi, Massachusetts General Hosp, Boston, MA; Sanjeeva R Onteddu, Mehmet S Akdol, Adewumi D Amole, Univ of Arkansas For Medical Sciences, Little Rock, AR; Lee H Schwamm, Massachusetts General Hosp, Boston, MA

#### Poster Board Number MP89 / Presentation Number WMP89 Stroke Code De-escalation: Safety and Outcomes

Jessica Jarnot, Christopher Streib, Angela Heyer, Amy Reichert, David Anderson, Rwoof Reshi, Kamakshi Lakshminarayan, Mustapha Ezzeddine, Univ of Minnesota, Minneapolis, MN

#### Poster Board Number MP90 / Presentation Number WMP90

Race/Ethnic Disparities in Short and Long Term Mortality Among Medicare Beneficiaries in Florida and Puerto Rico: Data from the Florida Puerto Rico Collaboration to Reduce Stroke Disparities (FL-PR CReSD) Study – the NINDS Stroke Prevention Intervention R

Hannah Gardener, Univ of Miami Miller Sch of Med, Miami, FL; Erica C Leifheit-Limson, Judith Lichtman, Yun Wang, Yale Sch of Public Health, New Haven, CT; Kefeng Wang, Carolina M Gutierrez, Maria A Ciliberti-Vargas, Chuanhui Dong, Mary Robichaux, Jose G Romano, Tatjana Rundek, Ralph L Sacco, Univ of Miami Miller Sch of Med, Miami, FL; for the FL-PR CReSD Investigators and Collaborators

#### Poster Board Number MP91 / Presentation Number WMP91

## Disparities in Inpatient Mortality from Acute Stroke: Near-national Estimates for Hispanics

Kori Sauser Zachrison, Massachusetts General Hosp & Harvard Medical Sch, Boston, MA; Mengyun Lin, Boston Univ Sch of Med, Boston, MA; Amresh Hanchate, VA Boston Healthcare System & Boston Univ Sch of Med, Boston, MA

#### Poster Board Number MP92 / Presentation Number WMP92

#### Quality of Care and Outcomes for Acute Ischemic Stroke Patients Admitted During the International Stroke Conference

Steven R Messe, Michael T Mullen, Univ of Pennsylvania, Philadelphia, PA; Marguerrite Cox, Duke Univ, Durham, NC; Gregg Fonarow, Univ of California, Los Angeles, Los Angeles, CA; Eric E Smith, Univ of Calgary, Calgary, AB, Canada; Jeffrey L Saver, Univ of California, Los Angeles, Los Angeles, CA; Mathew J Reeves, Michigan State Univ, East Lansing, MI; Deepak L Bhatt, Brigham and Women's Hosp, Boston, MA; Roland Matsouaka, Duke Univ, Durham, NC; Lee H Schwamm, Massachusetts General Hosp. Boston. MA

#### Poster Board Number MP93 / Presentation Number WMP93

## Efficacy of a Comprehensive Stroke Clinic Model on Reducing Readmissions after Ischemic Stroke

Anna Glaser, Lisa Kotzen, Holly Weissman, Lauren Singer, Rebbeca Grysiewicz, Beaumont Hosp, Royal Oak, MI

#### Poster Board Number MP94 / Presentation Number WMP94

Readmission Within 30 days After Acute Ischemic Stroke, United States 2013 Xin Tong, Mary G George, Sallyann M Coleman King, Cathleen Gillespie, Robert Merritt, CDC, Atlanta, GA

#### Poster Board Number MP95 / Presentation Number WMP95

A Transition of Care Program to Reduce Stroke Related Hospital Readmissions Heather Khan, Hebah M Hefzy, Henry Ford Hosp, West Bloomfield, MI

#### Poster Board Number MP96 / Presentation Number WMP96

## Stroke Warning Signs In Spanish Speaking Communities: Camaleon Strategy Proposal

Miguel A Barboza, Hosp Dr Rafael A Calderón Guardia / CCSS, San Jose, Costa Rica; Cinthya Agüero, Intl Health Central American Inst (IHCAI), San Jose, Costa Rica; Paola Bastos, Hosp Monseñor Sanabria / CCSS, Puntarenas, Costa Rica; Huberth Fernández, Hosp Dr Rafael A Calderón Guardia / CCSS, San Jose, Costa Rica

Intracerebral Hemorrhage Moderated Poster Tour WMP97 - WMP108

#### **SECTION 9**

Moderator: David Tirschwell, MD, MS, Seattle, WA

#### Poster Board Number MP97 / Presentation Number WMP97

## Acute Cerebral Ischemia After Aggressive Blood Pressure Reduction in Primary Intracerebral Hemorrhage: How Low Can You Go?

Tapan Thacker, Andrew Buletko, Jason Mathew, Natalie Organek, Muhammad Shazam Hussain, Jennifer Frontera, Ken Uchino, Cleveland Clinic, Cleveland, OH

#### Poster Board Number MP98 / Presentation Number WMP98

#### A Nationwide Study of Non-traumatic Intracranial Hemorrhage in Patients Receiving Direct Oral Anticoagulant Therapy: J-Aspect Study

Ryota Kurogi, Kyushu Univ, Fukuoka, Japan, Japan; Kunihiro Nishimura, Natl Cerebral and Cardiovascular Ctr, Suita, Japan, Japan; Akiko Kada, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan, Japan; Satoru Kamitani, Natl Cancer Ctr, Tokyo, Japan, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Iwate, Japan, Japan; Junichi Ono, Sanmu Medical Ctr, Sanmu, Japan, Japan; Yoshiaki Shiokawa, Kyorin Univ, Mitaka, Japan, Japan; Toru Aruga, Showa Univ Hosp, Shinagawa, Japan, Japan; Kazunori Toyoda, Jyoji Nakagawara, Natl Cerebral and Cardiovascular Ctr, Suita, Japan, Japan; Shigeru Miyachi, Osaka Medical Coll, Takatsuki, Japan, Japan; Shinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan, Japan; Kazuo Okuchi, Nara Medical Univ, Kashihara, Japan, Japan; Izumi Nagata, Kokura Memorial Hosp, Kitakyushu, Japan, Japan; Shinya Matsuda, Univ of Occupational and Environmental Health, Kitakyushu, Japan, Japan; Fumiaki Nakamura, Graduate Sch of Med, Univ of Tokyo, Tokyo Japan, Japan; Daisuke Onozuka, Akihito Hagihara, Kyushu Univ, Fukuoka, Japan, Japan; Akifumi Suzuki, Res Inst for Brain and Blood Vessels-AKITA, Akita, Japan, Japan; Keisuke Ido, Ai Kurogi, Ataru Nishimura, Koichi Arimura, Tetsuro Sayama, Koji lihara, Kyushu Univ, Fukuoka, Japan, Japan

#### Poster Board Number MP99 / Presentation Number WMP99

## Hematoma Retraction in Spontaneous Intracerebral Hemorrhage: Frequency, Functional Significance and Relation to Perihematomal Edema

Wendy Ziai, Johns Hopkins Univ, Baltimore, MD; Craig Anderson, The George Inst for Global Health, Beijing, China; Adrian Parry-Jones, Univ of Manchester, Manchester, United Kingdom; Robert Hurford, Univ of Cambridge, Cambridge, United Kingdom; Gayane Yenokyan, The Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Santosh Murthy, Cornell Univ, New York, NY; Nichol Mcbee, Rachel Dlugash, Johns Hopkins Univ, Baltimore, MD; Issam Awad, Univ of Chicago, Chicago, IL; Daniel F Hanley, Johns Hopkins Univ, Baltimore, MD; the VISTA Collaboration

#### Poster Board Number MP100 / Presentation Number WMP100

## Topographical Distribution of Lacunes in Cerebral Amyloid Angiopathy and Deep Hypertensive Intracerebral Hemorrhage

Marco Pasi, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Gregoire Boulouis, Univ Paris-Descartes, INSERM UMR 894, Dept of Neuroradiology, Ctr Hospier Sainte-Anne, Paris, France; Panagiotis Fotiadis, Andreas Charidimou, Eitan Auriel, Kellen Aley, Alison Ayres, Kristin M Schwab, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Joshua Goldstein, Jonathan Rosand, Div of Neurocritical Care and Emergency Neurology, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Anand Viswanathan, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Leonardo Pantoni, NEURO-FARBA Dept, Neuroscience Section, Univ of Florence, Florence, Italy; Steven M Greenberg, Edip Gurol, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA

### Poster Board Number MP101 / Presentation Number WMP101

#### The Evolution of Lesions on Diffusion-Weighted MR Imaging in Cerebral Amyloid Angiopathy

Susanne J van Veluw, Arne Lauer, Alison Ayres, Anand Viswanathan, Steven Greenberg, Meike Vernooij, Massachusetts General Hosp, Boston, MA

#### Poster Board Number MP102 / Presentation Number WMP102

#### Prevalence and Natural History of Superficial Siderosis: A Populationbased Study

Michael Pichler, Kelly Flemming, Alejandro Rabinstein, Robert Brown, Kejal Kantarci, Prashanthi Vemuri, Michelle Mielke, David Knopman, Clifford Jack, Ronald Petersen, Jonathan Graff-Radford, Mayo Clinic, Rochester, MN

#### Poster Board Number MP104 / Presentation Number WMP104

## Associations Between Lobar Microbleed and PiB Negative Intracerebral Hemorrhage

Hsin-Hsi Tsai, Li-Kai Tsai, Ya-Fang Chen, Sung-Chun Tang, Ruoh-Fang Yen, Jiann-Shing Jeng, Natl Taiwan Univ Hosp, Taipei, Taiwan

#### Poster Board Number MP105 / Presentation Number WMP105

## Human Monocyte Derived Macrophage Phagocytize Eryptotic Erythrocytes in a Phosphotidylserine Dependent Mechanism

Arthur F Steinschneider, Che-Feng Chang, Michael H Askenase, Youxi Ai, Lauren H Sansing, Yale Univ, New Haven, CT

#### Poster Board Number MP106 / Presentation Number WMP106

## Soluble CD163 as a Prognostic Marker for Perihematomal Edema Formation and Functional Outcomes in Intracerebral Hemorrhage

Meaghan Roy-O'Reilly, Davis So, Glenda Torres, Liang Zhu, Jaroslaw Aronowski, Louise D McCullough, Nancy J Edwards, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number MP107 / Presentation Number WMP107

## Neuroimaging Characteristics of Intracranial Hemorrhages and Microhemorrhages in Infective Endocarditis

Sung-Min Cho, Robert Marquardt, Lucy Zhang, Prateek Thatikunta, Ken Uchino, Dolora Wisco. Cleveland Clinic. Cleveland. OH

#### Poster Board Number MP108 / Presentation Number WMP108

#### A Root-Cause Analysis of Symptomatic Rebleeding With Clot Lysis: Evaluation of Accelerated Resolution of Intraventricular Hemorrhage Phase III Clinical Trial (CLEAR III)

Maged D Fam, Univ of Iowa, Iowa City, IA; Agnieska Stadnick, Hussein Zeineddine, Romuald Girard, Univ of Chicago, Chicago, IL; Steven Mayo, Emissary, Austin, TX; Rachel Dlugash, Nichole McBee, Karen Lane, Andrew Mould, Johns Hookins Univ, Baltimore, MD; Carlos Kase, Boston Univeristy, Boston, MA; Wendy Ziai, Daniel Hanley, Johns Hookins Univ, Baltimore, MD; Issam Awad, Univ of Chicago, Chicago, IL

Nursing & Pediatric Stroke Moderated Poster Tour WMP109 - WMP120

#### **SECTION 10**

Moderator: TBD

#### Poster Board Number MP109 / Presentation Number WMP109

## Characterizing Brain Microstructural Changes in Childhood Arterial Ischemic Stroke Using Multi-shell Diffusion Magnetic Resonance Imaging

Joseph Y Yang, Royal Children's Hosp, Melbourne, Victoria, Australia; Richard Beare, Murdoch Childrens Res Inst, Melbourne, Victoria, Australia; Belinda Stojanovski, Wirginia J Maixner, Royal Children's Hosp, Melbourne, Victoria, Australia; Marc L Seal, Murdoch Childrens Res Inst, Melbourne, Victoria, Australia; Mark T Mackay, Royal Children's Hosp, Melbourne, Victoria, Australia

# Poster Board Number MP110 / Presentation Number WMP110 Differentiating Childhood Arterial Ischemic Stroke From Migraine in the Pediatric Emergency Department

Mark T MacKay, The Royal Children's Hosp, Parkville, Australia; Adriana Yock-Corrales, Hosp Nacional de Niños, San José, Costa Rica; Leonid Churilov, Geoffrey A Donnan, The Florey Inst of Neuroscience and Mental Health, Melbourne, Australia; Franz E Babl, The Royal Children's Hosp, Melbourne, Australia; Paul Monagle, The Univ of Melbourne, Melbourne, Australia

#### Poster Board Number MP111 / Presentation Number WMP111 Socioeconomic Determinants of Outcome After Childhood Arterial Ischemic Stroke

Lori C Jordan, Vanderbilt Univ Sch of Med, Nashville, TN; Nancy K Hills, Univ of California San Francisco, San Francisco, CA; Warren Lo, Nationwide Children's Hosp, Columbus, OH; Rebecca N Ichord, Children's Hosp of Philadelphia, Philadelphia, PA; Christine K Fox, Univ of California San Francisco, San Francisco, CA; Paola Pergami, Children's Natl Medical Ctr, Washington, DC; Jorina Elbers, Stanford Univ, Palo Alto, CA; Gabrielle A deVeber, Hosp for Sick Children, Toronto, ON, Canada; Heather J Fullerton, Univ of California San Francisco, San Francisco, CA; The VIPS Investigators

#### Poster Board Number MP112 / Presentation Number WMP112

Safety and Efficacy of Intravenous Thrombolysis and Endovascular Therapy in Children with Acute Ischemic Stroke: A Systematic Review and Meta-analysis Juliana Pacheco, Dresden Intl Univ, Dresden, Germany; Simon Winzer, Jessica Barlinn, Heinz Reichmann, Volker Puetz, Timo Siepmann, Kristian Barlinn, Univ Hosp Carl Gustav Carus, Dresden, Germany

#### Poster Board Number MP113 / Presentation Number WMP113

## Headache At Stroke Onset Is Present In Half Of All Older Children With Arterial Ischemic Stroke

Lori L Billinghurst, The Children's Hosp of Philadelphia, Philadelphia, PA; Adam Kirton, Alberta Children's Hosp, Calgary, AB, Canada; Steven Pavlakis, Mount Sinai Hosp, New York, NY; Jo Ellen Lee, Nationwide Children's Hosp, Columbus, OH; Luigi Titomanlio, Hôpital Univire Robert Debré, Paris, France; Robert Fryer, Columbia Univ, New York City, NY; Fenella Kirkham, Univ Coll London, London, United Kingdom; Laura E Jastrzab, The Children's Hosp of Philadelphia, Philadelphia, PA; Gabrielle deVeber, Hosp for Sick Children, Toronto, ON, Canada; Micheal M Dowling, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Aleksandra Mineyko, Alberta Children's Hosp, Calgary, AB, Canada; International Pediatric Stroke Study (IPSS) Investigators

#### Poster Board Number MP114 / Presentation Number WMP114

The Role of Hypoxemia and Hypercapnia as Risk Factors for Childhood Stroke Sandra Toutounji, Indra Narang, Ann-Marie Surmava, Nomazulu Dlamini, The Hosp for Sick Children. Toronto. ON. Canada

#### Poster Board Number MP115 / Presentation Number WMP115

#### Thrombolysis and Thrombectomy in Pediatric Ischemic Stroke

Kathryn Ess, Bichun Ouyang, Nick Waldner, Rima Dafer, James Conners, Laurel Cherian, Nicholas Osteraas, Sarah Song, Rush Univ Medical Ctr, Chicago, IL

#### Poster Board Number MP116 / Presentation Number WMP116

## The Effects of Immediate Treatment with Inter-alpha Inhibitor Proteins on Apoptosis in Neonatal Rats Exposed to Hypoxic-ischemic Injury

Sakura Nakada, Brown Univ, Providence, RI; Xiaodi Chen, Alpert Medical Sch of Brown Univ, Providence, RI; Yow-Pin Lim, ProThera Biologics, Inc, Providence, RI; Barbara S Stonestreet, Alpert Medical Sch of Brown Univ, Providence, RI

#### Poster Board Number MP117 / Presentation Number WMP117

## Patterns of All Bleeding Complications Associated with r-tPA Use-experience of an Acadamic Center in China

Hong Chang, Xiaojuan Wang, Yuchen Qiao, Jie Zhao, Haiqing Song, Xuanwu Hosiptial, Beijing, China

#### Poster Board Number MP118 / Presentation Number WMP118

## In Safe Hands: Implementation on the Stroke Unit Does it Improve Patient Care and Ward Efficiency?

Sheila M Jala, Sarah Giaccari, Melissa Passer, Carin Bertmar, Susan Day, Martin Krause, Royal North Shore Hosp, Sydney, Australia, St Leonards, Australia

#### Poster Board Number MP119 / Presentation Number WMP119

#### **Evaluating Discharge Patterns in the Stroke Population**

Theresa Hamm, Mercy Medical Ctr, Altoona, IA

#### Poster Board Number MP120 / Presentation Number WMP120

#### **Does ICH Volume Affect Onset to Arrival Time?**

Dawn Meyer, Lovella Hailey, Melissa Mortin, David Nguyen, Mohshen Pirastehfar, James Ho, Rajiv Narula, Karen Rapp, Kunal Agrawal, Branko Huisa-Garate, Royya Modir, Thomas Hemmen, Brett Meyer, UC San Diego, San Diego, CA

#### POSTER SESSION I

#### WEDNESDAY, FEBRUARY 22 6:15 PM - 6:45 PM

Hall I

These posters are not included in the Wednesday 5:15 pm Professor-Led Poster Tour Session.

#### **Acute Endovascular Treatment Posters I**

WMP1 - WP34

#### Poster Board Number P1 / Presentation Number WP1

Thrombectomy Outcomes in Acute Ischemic Stroke due to Middle Cerebral Artery M2 Occlusion with Stent-Retriever, Aspiration, MERCI: Multi-Center Experience

Kunakorn Atchaneeyasakul, Amer M Malik, Dileep R Yavagal, Univ of Miami Miller Sch of Med, Miami, FL; Mehdi Bouslama, Diogo C Haussen, Emory Univ Sch of Med, Atlanta, GA; Cynthia L Kenmuir, Ashutosh P Jadhav, Tudor G Jovin, UPMC Stroke Inst, Pittsburgh, PA; Raul G Nogueira, Emory Univ Sch of Med, Atlanta, GA

#### Poster Board Number P2 / Presentation Number WP2

### Anesthesia Technique and Outcomes of Mechanical Thrombectomy in Patients With Acute Ischemic Stroke

Kimon Bekelis, Dartmouth-Hitchcock Medical Ctr, Lebanon, NH; Symeon Missios, Cleveland Clinic, Cleveland, OH; Todd MacKenzie, The Dartmouth Inst for Health Policy and Clinical Practice, Lebanon, NH; Stavropoula Tjoumakaris, Pascal Jabbour, Thomas Jefferson Univ Hosp, Philadelphia, PA

#### Poster Board Number P3 / Presentation Number WP3

#### Occluded Vessel Location is a Predictor of Clinical Outcome in the Natural History of Acute Ischemic Stroke From Large Vessel Occlusion Eligible for Mechanical Thrombectomy

Iris Grunwald, Anglia Ruskin Univ, Cambridge, United Kingdom; Mary Sneade, Univ of Oxford, Oxford, United Kingdom; Birgit Bock, Anglia Ruskin Univ, Cambridge, United Kingdom; Vallabh Janardhan, Texas Stroke Inst, Plano, TX; Lynne Ammar, Leticia Barraza, Trisha Stankiewicz, Franco Liang, Sophia Kuo, Hope Buell, Arani Bose, Siu Po Sit, Penumbra, Inc, Alameda, CA; For The FIRST/SOS Investigators

#### Poster Board Number P4 / Presentation Number WP4

### Transfer Patients and Patients Presenting Directly to Endovascular Capable Centers Achieve Similar Good Outcome Rates with Endovascular Therapy

Amrou Sarraj, UT Houston, Houston, TX; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno Bartolini, La Fondation Rothschild, Paris, France; David S Liebeskind, UC Los Angeles, Dept of Neurology, Los Angeles, CA; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech Republic; Ryan D Shields, Stryker Neurovascular, Fremont, CA; Bin Xiang, Prospect Analytical, Inc, San Jose, CA; Raul G Nogueira, Emory Univ, Atlanta, GA; Spiros Blackburn, Christine M Farrell, Sean I Savitz, Louise D McCullough, UT Houston, Houston, TX; Rishi Gupta, Wellstar Kennestone Hosp, Marietta, GA

#### Poster Board Number P5 / Presentation Number WP5

### The Transfer Score May Aid Decisions Whether to Transfer Patients with Large Vessel Occlusions for Endovascular Therapy

Amrou Sarraj, UT Houston, Houston, TX; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno M Bartolini, La Fondation Rothschild, Paris, France; David S Liebeskind, UC Los Angeles, Dept of Neurology, Los Angeles, CA; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech Republic; Ryan D Shields, Stryker Neurovascular, Fremont, CA; Bin Xiang, Prospect Analytical, Inc, San Jose, CA; Raul G Nogueira, Emory Univ, Atlanta, GA; Rishi Gupta, Wellstar Kennestone Hosp, Marietta, GA; Mark Dannenbaum, Christine M Farrell, Louise D McCullough, Sean I Savitz, UT Houston, Houston, TX

#### Poster Board Number P6 / Presentation Number WP6

### Real-World Data on Reperfusion: Evidence of Good Outcomes in the International Trevo Retriever Registry

David S Liebeskind, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Bin Xiang, Prospect Analytical, Inc, San Jose, CA; Ryan Shields, Stryker Neurovascular, Fremont, CA; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Joey English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Bruno M Bartolini, GH Pitié Salpêtrière, Paris, France; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech

Republic; Amrou Sarraj, Memorial Hermann Hosp, Houston, TX; Ana Paula Narata, Univ Hosp of Tours, Tours, France; Tim Miller, Univ of Maryland Medical Ctr, Baltimore, MD; Thomas Grobelny, Advocate Christ Medical Ctr, Oak Lawn, IL; Raul G Nogueira, Emory Univ Sch of Med / Grady Memorial Hosp, Atlanta, GA; Rishi Gupta, WellStar Kennestone Hosp, Marietta, GA; Ashutosh Jadhav, UPMC Stroke Inst, Pittsburgh, PA; for the Trevo Retriever Registry Investigators

#### Poster Board Number P7 / Presentation Number WP7

#### Impact of Stent-Retrievers on Real World Stroke Outcomes Utilizing the National Inpatient Sample

Anit K Behera, Eric Adjei Boakye, Eric Armbrecht, St Louis Univ Sch of Med, St Louis, MO; Amer Alshekhlee, SSM Health DePaul Hosp — St Louis, St Louis, MO; Randall Edgell, St Louis Univ Sch of Med, St Louis, MO

#### Poster Board Number P8 / Presentation Number WP8

### Initial Clinical Experience with the Double Aspiration Modification of the ADAPT Technique

Logan Chastain, SIU Sch of Med, Springfield, IL; Robert Burke, Casey Muehle, Clinical Radiologists/MMC, Springfield, IL; Fazeel Siddiqui, SIU Sch of Med, Springfield, IL; William E Greer IV, Augusto Elias, Clinical Radiologists/MMC, Springfield, IL

#### Poster Board Number P9 / Presentation Number WP9

### Primary Aspiration Thrombectomy in Acute Ischemic Stroke: A Single-Center Experience

Ganesh Asaithambi, Amy L Castle, Lana J Stein, Sandra K Hanson, Jeffrey P Lassig, Allina Health-John Nasseff Neuroscience Inst, St Paul, MN

#### Poster Board Number P10 / Presentation Number WP10

#### Prolonged Microcatheter-based Local Thrombolytic Infusion as a Salvage Treatment for Failed Endovascular Treatment for Cerebral Venous Thrombosis: A Multicenter Registry

Adnan I Qureshi, Mikayel Grigoryan, Gaurav K Guliani, Muhammad A Saleem, Emrah Aytac, Gustavo J Rodriguez, Muhammad F Suri, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P11 / Presentation Number WP11

### Tiered Triage Approach Improves Stroke Treatment Times and Reduces Activation Fatigue in Stroke Centers

Angela Hawkins, Karin Olds, Marc Larsen, Coleman Martin, Naveed Akhtar, William Holloway, Saint Luke's Hosp, Kansas City, MO

#### Poster Board Number P12 / Presentation Number WP12

#### Impact of the Introduction of Endovascular Treatment on Acute Ischemic Stroke Therapy in a Rural Broad Region in Japan

Taichiro Imahori, Toyooka Public Hosp, Toyooka-City, Japan

#### Poster Board Number P14 / Presentation Number WP14

### Outcomes after Endovascular Therapy in a Population with Mild Acute Ischemic Stroke and Large Vessel Occlusion: Does Treatment Help?

Donald Frei, RIA, Greenwood Village, CO; Alessandro Orlando, Swedish Medical Ctr, Englewood, CO; Richard Bellon, RIA, Greenwood Village, CO; Jeffrey Wagner, Christopher V Fanale, Judd Jensen, Russell Bartt, Blue Sky Neurology, Englewood, CO; Rebecca van Vliet, Kathryn McCarthy, David Bar-Or, Swedish Medical Ctr, Englewood, CO

#### Poster Board Number P15 / Presentation Number WP15

### Influence of Blood Pressure Parameters within 24-hours of Thrombectomy on Hospital Discharge Outcome

Eva A Mistry, Houston Methodist Hosp, Houston, TX; Akshitkumar M Mistry, Vanderbilt Univ Medical Ctr, Nashville, TN; Mohammad O Nakawah, John Volpi, Houston Methodist Hosp, Houston, TX

#### Poster Board Number P16 / Presentation Number WP16

### Acute Stroke Treatment and Hemorrhagic Complication in Infective Endocarditis

Prateek Thatikunta, Robert J Marquardt, Sung-Min Cho, Lucy Zhang, Ken Uchino, Dolora Wisco, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P17 / Presentation Number WP17

### Association of Blood Glucose and Clinical Outcome After Mechanical Thrombectomy for Acute Ischemic Stroke

Weston R Gordon, Anit Behera, John Chibnall, Saint Louis Univ, St Louis, MO; Amer Alshekhlee, Richard C Callison, SSM DePaul, St Louis, MO; Randall C Edgell, Saint Louis Univ, St Louis, MO

#### Poster Board Number P18 / Presentation Number WP18

### Cerebral Mechanical Thrombectomy Simulator Using Hydrogel Polymers and 3D Printing Technology

Timothy Campbell, Jonathan Stone, Arun Parmar, Edward Vates, Amrendra Miranpuri, The Univ or Rochester Sch of Med and Dentistry, Rochester, NY

#### Poster Board Number P19 / Presentation Number WP19

### Transfer Selection for Endovascular Therapy of Ischemic Stroke within A Collaborative Network: Off-site Versus On-site Neurology Service

Simon M Winzer, Kristian Barlinn, Johannes Gerber, Timo Siepmann, Lars-Peder Pallesen, Alexandra Prakapenia, Anne Koehler, Ulf Bodechtel, Jennifer Linn, Heinz Reichmann, Volker Puetz, Jessica Barlinn, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany

#### Poster Board Number P20 / Presentation Number WP20

### Efficacy and Safety of Mechanical Thrombectomy in Emergent Large Vessel Occlusions with Concomitant Cervical Internal Carotid Artery Occlusion

Nitin Goyal, Georgios Tsivgoulis, Abhi Pandhi, Yasser M Khorchid, Univ of Tennessee Health Science Ctr, Memphis, TN; Abhishek Ojha, RNT Medical Coll, Udaipur, India; Jason J Chang, Univ of Tennessee Health Science Ctr, Memphis, TN; Apostolos Safouris, Gergios Magoufis, Acute Stroke Unit, Piraeus, Greece; Daniel Hoit, Lucas Elijovich, Andrei V Alexandrov, Adam S Arthur, Ramin Zand, Univ of Tennessee Health Science Ctr, Memphis, TN

#### Poster Board Number P21 / Presentation Number WP21

### Extracranial Carotid Revascularization May Have Higher Mortality Rate in Acute Stroke Intervention

Nazli Janjua, Asia Pacific Comprehensive Stroke Inst, Pomona, CA; Karen Tse-Chang, Kimberly Jones, Katrina Woolfolk, Pomona Valley Hosp Medical Ctr, Pomona, CA; Kessarin Panichpisal, Asia Pacific Comprehensive Stroke Inst, Pomona, CA; Debbie Keaslier, Bhupat Desai, Pomona Valley Hosp Medical Ctr, Pomona, CA

#### Poster Board Number P22 / Presentation Number WP22

# Endovascular Treatment for Distal Middle cerebral Artery Occlusions in Patients with Acute Ischemic Stroke From Interventional Management of Stroke Trial (IMS III)

Mohammad Rauf Afzal, Mohtashim Arbaab Qureshi, Ihtesham Aatif Qureshi, Paisith Piriyawat, Alberto Maud, Salvador Cruz-Flores, Gustavo J Rodriguez, Texas Tech Univ, El Paso, TX

#### Poster Board Number P23 / Presentation Number WP23

#### Comparison of Suction Thrombectomy, Stentriever, and Combined Approach: Thrombus Size, Fragmentation, and Outcome – A Single Center Analysis Wolfgang Leesch, Pankajavalli Ramakrishnan, Dean Kostov, O'Brien Gossage, Frank

Sanderson, Riverside Regional Medical Ctr, Newport News, VA

Poster Board Number P24 / Presentation Number WP24

### The Middle Cerebral Artery Occlusion, Anatomy Study and Pitfalls in the Design and Classification of Its Segment Occlusions in the Clinical Trials

Mohtashim Arbaab Qureshi, Mohammad Rauf Afzal, Ihtesham Aatif Qureshi, Mohammad Ghatali, Paisith Piriyawat, Alberto Maud, Salvador Cruz-Flores, Gustavo J Rodriguez, Texas Tech Univ. El Paso. TX

#### Poster Board Number P25 / Presentation Number WP25

### Gender Disparity in Mechanical Thrombectomy Outcomes: The Role of Arterial Caliber

Mark A Davison, Kavantissa M Keppetipola, Bichun Ouyang, Michael Chen, Rush Univ, Chicago, IL

#### Poster Board Number P26 / Presentation Number WP26

### Evaluation of Pipeline Embolization Device for the Treatment of Ruptured Intracranial Aneurysms

N Ajiboye, Jefferson, Philadelphia, PA

#### Poster Board Number P27 / Presentation Number WP27

Endovascular Treatment in Elderly Patient Should We Continue Treating Them?
Pedro Cardona, Blanca Lara, Helena Quesada, Nuria Cayuela, Lucia Aja, Roger
Barranco, Sonia Aixut, Alex Luttich, Maria Angeles De Miquel, Bellvitge Univ Hosp,
Barcelona, Spain; Meritxell Gomis, Hosp Germans Trias i Pujol, Barcelona, Spain;
Marc Ribó, Hosp Vall d'Hebron, Barcelona, Spain; Francisco Rubio, Bellvitge Univ Hosp,
Barcelona, Spain

#### Poster Board Number P28 / Presentation Number WP28

#### Symptom Recognition-to Door Time is Associated With Outcomes from Endovascular Recanalization in Wake-up Stroke

Sang Min Sung, Yoon Jung Kang, You Jin Choi, Jae Yong Shin, Han Jin Cho, Stroke Ctr, Dept of Neurology, Busan, Korea, Republic of

#### Poster Board Number P29 / Presentation Number WP29

# Temporal Trends of Intravenous Recombinant Tissue Plasminogen Activator Infusion and Endovascular Treatment for Acute Ischemic Stroke in Japan: J-ASPECT Study

Ai Kurogi, Daisuke Onozuka, Akihito Hagihara, Kyushu Univ, Fukuoka, Japan; Akiko Kada, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Kunihiro Nishimura, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Satoru Kamitani, Univ of Tokyo, Tokyo, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Junichi Ono, Sanmu Medical Ctr, Sanmu, Japan; Yoshiaki Shiokawa, Kyorin Univ, Mitaka, Japan; Toru Aruga, Showa Univ Hosp, Shinagawa, Japan; Kazunori Toyoda, Jyoji Nakagawara, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Shigeru Miyachi, Osaka medical Coll, Takatsuki, Japan; Shinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan; Kazuo Okuchi, Nara Medical Univ, Kashihara, Japan; Izumi Nagata, Kokura Memorial Hosp, Kitakyushu, Japan; Shinya Matsuda, Univ of Cocupational and Environmental Health, Kitakyushu, Japan; Fumiaki Nakamura, Univ of Tokyo, Japan; Akifumi Suzuki, Res Inst for Brain and Blood Vessels-AKITA, Akita, Japan; Keisuke Ido, Ryota Kurogi, Ataru Nishimura, Kouichi Arimura, Tetsuro Sayama, Koji lihara, Kyushu Univ, Fukuoka, Japan

#### Poster Board Number P30 / Presentation Number WP30

### Trends and Outcomes of Endovascular Revascularization Therapy for the ASIAN KR Registry

Yang-Ha Hwang, Yong-Won Kim, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Jeong-Ho Hong, Chang-Hyun Kim, Hyuk Won Chang, Keimyung Univ Dongsan Medical Ctr, Daegu, Korea, Republic of; Sung Eun Yi, Jin Wook Choi, Ji Man Hong, Ajou Univ Sch of Med and Medical Ctr, Suwon, Korea, Republic of; Dong-Hun Kang, Yong-Sun Kim, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Sung-Il Sohn, Keimyung Univ Dongsan Medical Ctr, Daegu, Korea, Republic of; Jin Soo Lee, Ajou Univ Sch of Med and Medical Ctr, Suwon, Korea, Republic of

#### Poster Board Number P31 / Presentation Number WP31

### Fibrin Rich Thrombus versus Erythrocyte Rich Thrombus in Acute Large Vessel Occlusion

Kota Maekawa, Masunari Shibata, Masaru Seguchi, Kazuto Kobayashi, Hidetaka Nakajima, Akane Mizutani, Yotaro Kitano, Masayoshi Yamasaki, Takanori Sano, Motonobu Mori, Shigetoshi Shimizu, Tadashi Yabana, Yutaka Naito, Fumitaka Miya, Ise Red Cross Hosp, Mie prefecture, Japan

#### Poster Board Number P32 / Presentation Number WP32

#### Good Reperfusion Can Rescue Acute Ischemic Stroke Patients Treated With Endovascular Therapy Beyond 6 Hours After Onset

KENTARO SUZUKI, Junya Aoki, Yohei Takayama, Arata Abe, Satoshi Suda, Kazumi Kimura, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P33 / Presentation Number WP33

### Reperfusion Therapy in Carotid Artery Occlusion with Collaterals Through the Circle of Willis

Seong Hwan Ahn, In Sung Choo, Hyun Gu Kang, Ji Yeon Jung, Sang Woo Ha, Chosun university hospital, Gwangju, Korea, Republic of

#### Poster Board Number P34 / Presentation Number WP34

# Prevalence and Predictors of Endovascular Treatment-related Nephropathy in Acute Ischemic Stroke Patients: an Analysis of the Acute Stroke Due to Intracranial Atherosclerotic Occlusion and Neurointervention Korean Retrospective (ASIAN KR) Registry

Sung-Il Sohn, Jeong-Ho Hong, Hyuk-Won Chang, Chang-Hyun Kim, Keimyung Univ Dongsan Medical Ctr, Daegu, Korea, Republic of; Ji Man Hong, Jin Wook Choi, Sung Eun Yi, Ajou Univ Medical Ctr, Suwon, Korea, Republic of; Yong-Won Kim, Dong-Hun Kang, Yong-Sun Kim, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Bruce Ovbiagele, Medical Univ of South Carolina, Charlestone, SC; Yang-Ha Hwang, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Jin Soo Lee, Ajou Univ Medical Ctr, Suwon, Korea, Republic of

#### **Acute Neuroimaging Posters I**

WP35 - WP63

#### Poster Board Number P35 / Presentation Number WP35

### Penumbra Saved in Acute Stroke Patients Treated with IV Thrombolysis Predicts Minimal Infarct Growth Independent of Onset to Treatment

Marie Luby, Zurab Nadareishvili, Kaylie Cullison, Richard T Benson, Amie W Hsia, Richard Leigh, John K Lynch, Lawrence L Latour, NINDS, Stroke Branch, Bethesda, MD

#### Poster Board Number P36 / Presentation Number WP36

#### Post-ischemic Hyperperfusion After Reperfusion Therapy Predicts Hemorrhagic Transformation

Shuhei Okazaki, Takeshi Yoshimoto, Hiroshi Yamagami, Katsufumi Kajimoto, Mikito Hayakawa, Masatoshi Koga, Yoshiaki Morita, Kazunori Toyoda, Kazuyuki Nagatsuka, Haruko Yamamoto, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan

#### Poster Board Number P37 / Presentation Number WP37

# Evidence of Late Hemorrhage in Ischemic Stroke Patients Treated With Intravenous Alteplase: A Post Hoc Analysis of the Multicenter MR WITNESS Trial (NCT01282242)

Gregoire Boulouis, Lee H Schwamm, Massachusetts General Hosp, Boston, MA; Lawrence L Latour, NINDS Intramural Stroke Program, Bethesda, MD; Shlee S Song, Cedar Sinai Hosp, Los Angeles, CA; Albert J Yoo, Texas Stroke Insitute, Plano, TX; Michael H Lev, Massachusetts General Hosp, Boston, MA; Andria L Ford, Amie Hsia, NINDS Intramural Stroke Program, Bethesda, MD; Rebecca Betensky, Alona Muzikansky, Arne Lauer, Pedro Cougo, William A Copen, Gordon J Harris, Massachusetts General Hosp, Boston, MA; Steven Warach, Univ of Texas, Austin, TX; Ona Wu, Massachusetts General Hosp, Boston, MA; for the MRWITNESS Investigators

#### Poster Board Number P38 / Presentation Number WP38

### MR Imaging Based Paradigm for Early Anticoagulation After Acute Ischemic Stroke: A Pilot Study

Marie Luby, Nidhi Gupta, Richard T Benson, Tina M Burton, Amie W Hsia, Richard Leigh, Zurab Nadareishvili, John K Lynch, NINDS, Stroke Branch, Bethesda, MD

#### Poster Board Number P39 / Presentation Number WP39

### Mechanical Embolectomy for Acute Ischemic Stroke Beyond Six Hours From Symptom Onset Using Advanced MR Imaging

Ryan McTaggart, Shadi Yaghi, Daniel C Sacchetti, Richard Haas, Shawna Cutting, Morgan Hemendinger, Daniel Arcuri, Jeffrey M Rogg, Karen L Furie, Mahesh V Jayaraman, The Warren Alpert Medical Sch of Brown Univ, Providence, RI

#### Poster Board Number P40 / Presentation Number WP40

### Quick CT Perfusion Evaluation of Leptomeningeal Collateral Circulation: Single Cortical CBV-ROI

Marta Rubiera, Alvaro Garcia-Tornell, Sandra Boned, Unitat Neurovascular Hosp Vall d'Hebron, Barcelona, Spain; Nicolas Romero, Pilar Coscojuela, Hosp Vall d'Hebron, Barcelona, Spain; Marian Muchada, Jesus Juega, Noelia Rodriguez-Villatoro, David Rodriguez-Luna, Jorge Pagola, Carlos A Molina, Marc Ribo, Unitat Neurovascular Hosp Vall d'Hebron, Barcelona, Spain; Alejandro Tomasello, Hosp Vall d'Hebron, Barcelona, Spain

#### Poster Board Number P41 / Presentation Number WP41

### A Multi-Parametric Perfusion Model Improves Assessment of Penumbral Flow in Stroke Imaging

Michelle Livne, Tabea Kossen, Vince Madai, Charite-Univsmedizin Berlin, Berlin, Germany; Olivier Zaro-Weber, Max-Planck-Inst for Metabolism Res, Cologne, Germany; Walter Moeller-Hartman, Dept of Radiology, Ludmillenstift Meppen, Meppen, Germany; Wolf-Dieter Heiss, Max-Planck-Inst for Metabolism Res, Cologne, Germany; Jan Sobesky, Charite-Univsmedizin Berlin, Berlin, Germany

#### Poster Board Number P42 / Presentation Number WP42

### Prediction of Blood-brain Barrier Disruption and Intracerebral Hemorrhagic Infarction Using Arterial Spin-labeling MRI

Takeya Niibo, Miyazaki Prefectural Miyazaki Hosp, Miyazaki City, Japan; Hajime Ohta, Miyakonojo Medical Association Hosp, Miyakonojo City, Japan; Shirou Miyata, Miyakonojo Medical Association Hosp, Miyazaki City, Japan; Ichirou Ikushima, Miyazaki Prefectural Miyazaki Hosp, Miyakonojo City, Japan; Kazuchika Yonenaga, Miyakonojo Medical Association Hosp, Miyakonojo City, Japan; Hideo Takeshima, Miyazaki Prefectural Miyazaki Hosp, Miyazaki City, Japan

#### Poster Board Number P43 / Presentation Number WP43

### Diffusion and T2 Star Weighted MR Angiography Mismatch Predicts Ischemic Penumbra in the Acute Stage

Susumu Yamaguchi, Nagasaki Harbor Medical Ctr City Hosp, Nagasaki, Japan; Nobutaka Horie, Yohei Tateishi, MInoru Morikawa, Nagasaki Univ, Nagasaki, Japan; Kazuhiko Suyama, Nagasaki Harbor Medical Ctr City Hosp, Nagasaki, Japan; Takayuki Matsuo. Nagasaki Univ. Nagasaki, Japan

#### Poster Board Number P45 / Presentation Number WP45

### Regional Contribution of Salvaged Brain Tissue on Outcome in Endovascular Stroke Therapy

Sunil A Sheth, Priscilla McElhinney, Julius Weng, Daniel Ichwan, Ben Quachtran, Univ of California, Los Angeles, Los Angeles, CA; Conrad W Liang, Kaiser Permanente, Fontana, CA; Jeffrey L Saver, Gary Duckwiler, David S Liebeskind, Fabien Scalzo, Univ of California, Los Angeles, Los Angeles, CA

#### Poster Board Number P46 / Presentation Number WP46

#### Sex Differences in Therapeutic Targets in Ischemic Stroke

Adrienne N Dula, Marie Luby, Ben King, Lisa A Davis, Seton Healthcare, Austin, TX; Lawrence L Latour, Natl Insts of Health, Bethesda, MD; NINDS LESION Investigators; Steven J Warach, Seton Healthcare, Austin, TX

#### Poster Board Number P47 / Presentation Number WP47

### Reperfusion Following Ischemic Stroke is Associated with Reduced Brain Edema

Hannah J Irvine, Thomas W Battey, Ann-Christin Ostwaldt, Massachusetts General Hosp, Boston, MA; Bruce C Campbell, Stephen M Davis, Geoffrey A Donnan, Univ of Melbourne, Parkville, Victoria, Australia; Kevin N Sheth, Yale New Haven Hosp, New Haven, CT; W Taylor Kimberly, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P48 / Presentation Number WP48

#### Relationship of Cerebral Blood Flow by Pseudo-continuous Arterial Spin Labeling and Stenosis in Middle Cerebral Artery Territory in Patients Evaluated for Acute Ischemic Stroke

Eric Lai, Univ of Hong Kong, Hong Kong, Hong Kong; Raja Rizal Azman Raja Aman, Univ Malaya Medical Ctr, Kuala Lumpur, Malaysia; Hui Zhang, Pui-Wai Chiu, Univ of Hong Kong, Hong Kong, Hong Kong; Queenie Chan, Philips Healthcare, Hong Kong, Hong Kong; Bernard Chan, Natl Univ Hosp, Singapore, Singapore; Henry Ka-Fung Mak, Univ of Hong Kong, Hong Kong, Hong Kong

#### Poster Board Number P49 / Presentation Number WP49

#### Performance of CT, CTA, and MRI on Decision to Treat Emergent Large Vessel Occlusion (ELVO) in Patients who Present Greater Than 6 Hours After Stroke Onset

Eleanor L DiBiasio, Ryan A McTaggart, Grayson L Baird, Shadi Yaghi, Eric L Tung, Douglas T Hidlay Jr, Warren Alpert Sch of Med at Brown Univ, Providence, RI; Morgan L Hemendinger, Rhode Island Hosp, Providence, RI; Glenn A Tung, Mahesh V Jayaraman, Warren Alpert Sch of Med at Brown Univ, Providence, RI

#### Poster Board Number P50 / Presentation Number WP50

### Computed Tomography Angiography is Better at Predicting Lesion Core Volume in Acute Ischemic Stroke Patients with Proximal Occlusion

Steve O'Donnell, Alex Linn, Jennifer Majersik, Haimei Wang, Lee Chung, Adam de Havenon, Univ of Utah, Salt Lake City, UT

#### Poster Board Number P51 / Presentation Number WP51

### Neurological Severity and Infarct Size in Patients With Acute Ischemic Stroke During DOAC Treatment for Nonvalvular Atrial Fibrillation

Yo Shibata, Asako Nakamura, Masahiro Yasaka, Takahiro Kuwashiro, Seiji Gotoh, Go Takaguchi, Yasuyuki Nakanishi, Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan

#### Poster Board Number P52 / Presentation Number WP52

### White Matter Hyperintensity, Cerebral Microbleeds and Risk of Hemorrhagic Transformation with Intravenous rt-PA

Nudrat Tasneem, Sudeepta Dandapat, Amir Shaban, Uzair Ahmed, Bruno Policeni, Heena Olalde, Edgar Samaniego, Connie Pieper, Enrique C Leira, Santiago Ortega-Gutierrez, Harold P Adams, Nandakumar Nagaraja, Univ of Iowa, Iowa City, IA

#### Poster Board Number P53 / Presentation Number WP53

#### The prognostic value of Posterior Circulation Acute Stroke Prognosis Early Ct Score (pcaspects) on CT perfusion in patients with basilar artery occlusion Fana Alemseged, Darshan G Shah, Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Marina Diomedi, Stroke Unit, Dept of Neuroscience, Univ Hosp of "Tor Vergata", Rome, Italy; Andrew Bivard, Dept of Neurology, John Hunter Hosp, Univ of Newcastle, Newcastle, Australia; Gagan Sharma, Dept of Radiology, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Fabrizio Sallustio, Stroke Unit, Dept of Neuroscience, Univ Hosp of "Tor Vergata", Rome, Italy; Peter J Mitchell, Richard J Dowling, Dept of Radiology, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Bernard Yan, Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia; Paolo Stanzione, Stroke Unit, Dept of Neuroscience, Univ Hosp of "Tor Vergata", Rome, Italy; Mark W Parsons, Christopher R Levi, Dept of Neurology, John Hunter Hosp. Univ of Newcastle, Newcastle, Australia: Stephen M Davis, Bruce CV Campbell. Dept of Med and Neurology, Melbourne Brain Ctr at the Royal Melbourne Hosp, Univ of Melbourne, Parkville, Melbourne, Australia

#### Poster Board Number P54 / Presentation Number WP54

### Early MRI Facilitates Stroke Evaluation and Decreases Length of Stay for Ischemic Stroke Patients

Bharti Manwani, Subhendu Rath, Univ of Connecticut Health Ctr, Farmington, CT; Matthew Woodward, Touro Coll of Osteopathic Med, New York, NY; Ilene Staff, Gilbert Fortunato, Hartford Hosp, Hartford, CT; Jahanavi Modak, Christopher Stretz, Univ of Connecticut Health Ctr, Farmington, CT; Pasquale Finelli, Nora Lee, Hartford Hosp, Hartford, CT

#### Poster Board Number P55 / Presentation Number WP55

### Through Thick and Thin: Improved Aspects Grading and Dense Vessel Detection Using Simple Ncct Post-processing

James W Evans, Sadanand Dey, Muneer Eesa, Prasanna Eswaradass, Ronda Lun, MacKenzie Horn, Anneliese Neweduk, Brooklyn Mcdougall, Pooneh Pordeli, Calgary Stroke Program, Calgary, AB, Canada; Mahesh V Jayaraman, Ryan A McTaggart, Warren Alpert Sch of Med at Brown Univ, Providence, RI; Mohamed Najm, Mayank Goyal, Andrew M Demchuk, Bijoy K Menon, Calgary Stroke Program, Calgary, AB, Canada

#### Poster Board Number P56 / Presentation Number WP56

### Impact of Perfusion and Diffusion Lesion Load in the Corticospinal Tract on Response to Reperfusion

Ying Zhou, Ruiting Zhang, Sheng Zhang, Shenqiang Yan, The 2nd Affiliated Hosp of Zhejiang Univ, Sch of Med, Hangzhou, China; Ze Wang, Ctr for Cognition and Brain Disorders, Insts of Neurological Science, Hangzhou Normal Univ, Hangzhou, China; Bruce C V Campbell, Dept of Med and Neurology, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia; David S Liebeskind, Los Angeles Stroke Ctr, Univ of California, Los Angeles, CA; Min Lou, The 2nd Affiliated Hosp of Zhejiang Univ, Sch of Med, Hangzhou, China

#### Poster Board Number P57 / Presentation Number WP57

### Perfusion Angiography Improves Clinical Outcomes Prediction in Endovascular Stroke Therapy

Sunil A Sheth, Julius Weng, Priscilla McElhinney, Benjamin Quachtran, David S Liebeskind, Jeffrey L Saver, Gary Duckwiler, Fabien Scalzo, Univ of California, Los Angeles, Los Angeles, CA

#### Poster Board Number P58 / Presentation Number WP58

### Correlating Stroke Volume with National Institute of Health Stroke Scale as a Means of Determining Patient Prognosis

Pamela J Zelnick, Liang Zhu, Louise D McCullough, Amrou Sarraj, The McGovern Medical Sch, at the Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P59 / Presentation Number WP59

#### Intraoperative Cbv Measurement for the Treatment of Ischemic Stroke

Ichiro Yuki, Rintaro Tachi, Ayako Ikemura, Toshihiro Ishibashi, The Jikei Univ Hosp, Tokyo, Japan; Chihebeddine Dahmani, Siemens Healthcare, Tokyo, Japan; Yukiko Abe, Issei Kan, Shogo Kaku, Kengo Nishimura, Yuichi Murayama, The Jikei Univ Hosp, Tokyo, Japan

#### Poster Board Number P60 / Presentation Number WP60

# Evaluation of Tissue Reversibility by Relative Apparent Diffusion Coefficient Value in Acute Ischemic Stroke Patients Treated With Successful Thrombectomy

Toshihiro Ueda, Tatsuro Takada, Shinji Nogoshi, Satoshi Takaishi, Tomohide Yoshie, Takayuki Fukano, St Marianna Unvi Toyoko Hosp, Kawasaki, Japan

#### Poster Board Number P61 / Presentation Number WP61

### Volumetric DWI Malignant Profile Assessment in Acute Ischemic Patients With Reperfusion Therapy

Manabu Inoue, Shinichi Wada, Kazutaka Sonoda, Sohei Yoshimura, Shoichiro Sato, Mikito Hayakawa, Hiroshi Yamagami, Kazuyuki Nagatsuka, Kazunori Toyoda, Natl Cerebral and Cardiovascular Ctr, Suita City, Osaka, Japan

#### Poster Board Number P63 / Presentation Number WP63

### Infarct Location Predicts Outcome Following Distal Middle Cerebral Artery Occlusion

Muhib A Khan, Neuroscience Inst, Spectrum Health, Grand Rapids, MI; Grayson Baird, Rhode Island Hosp, Providence, RI, Providence, RI; Richard Goddeau, Univ of Massachusetts Medical Sch, Worcester, MA; Brian Silver, Warren Alpert Medical Sch of Brown Univ, Providence, RI; Nils Henninger, Univ of Massachusetts Medical Sch, Worcester, MA

#### **Acute Nonendovascular Treatment Posters I**

WP64 - WP76

#### Poster Board Number P64 / Presentation Number WP64

### City-wide Stroke Team in the US Delivers the Highest Intravenous Thrombolysis Treatment Rate

Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN; Georgios Tsivgoulis, Univ of Tennessee Health Science Ctr, Memphis and Athens, Greece, TN; Katherine Nearing, Marc Malkoff, Univ of Tennessee Health Science Ctr, Memphis, TN; Odysseas Kargiotis, Acute Stroke Unit, Piraeus, Greece; E Jeffrey Metter, Mervat Wahba, Anne W Alexandrov, Lucas Elijovich, Univ of Tennessee Health Science Ctr, Memphis, TN; for the University Clinical Health Stroke Team

#### Poster Board Number P65 / Presentation Number WP65

### Low-Versus Standard-Dose Alteplase for Acutelschemic Strokes Within 45 Hours: An updated Meta Analysis

Huaguang Zheng, Beijing Tiantan Hosp, Beijing, China; Xu Tong, Hebei Tangshan worker's Hosp, Tangshan, China; Liping Liu, Zixiao Li, Xiaoling Liao, Wanliang Du, Kehui Dong, Jingjing Lu, Yi Ju, Xingquan Zhao, Zhonghua Yang, Yilong Wang, Yongjun Wang, Beijing Tiantan Hosp, Beijing, China

#### Poster Board Number P66 / Presentation Number WP66

### Unexpected Conformational Change of Platelet Glycoprotein lb (GPIb) Receptor After rt-PA Treatment of Large Vessel Ischemic Stroke

Qi Da, Pitchaiah Mandava, Miguel Cruz, Perumal Thiagarajan, Thomas A Kent, Baylor Coll of Med, Houston, TX

#### Poster Board Number P67 / Presentation Number WP67

#### Ultra-early Institution of Statin Treatment is Associated With Improved Outcomes Among Acute Ischemic Stroke Patients Receiving Thrombolytic Treatment

Adnan I Qureshi, Muhammad A Saleem, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P68 / Presentation Number WP68

### Impact on ER Arrival & IV TPA Treatment Times Following Hospital Bypass Protocol Implementation: Northwest Ohio Experience

Julie Sahwver, Promedica Toledo Hosp, Toledo, OH; Theodore Popa, Sharjeel Panjwani, Rami Abdelaziz, Gretchen Tietjen, Mouhammad Jumaa, Syed Zaidi, Univ of Toledo Medical Ctr, Toledo, OH

#### Poster Board Number P69 / Presentation Number WP69

#### Reversible Aptamer Inhibition of Von Willebrand Factor is a Potent Thrombolytic and Ameliorates Stroke Burden Following Vascular Injury Compared to Recombinant Tissue Plasminogen Activator

David L Dornbos III, Hallie Harris, Surya Gnyawali, Debra G Wheeler, Allyson Huttinger, Nicholas Venetos, Spencer Talentino, Hope Vaccaro, Nicholas Musgrave, Cheyenne Jones, Pedro Amaya, Cameron Rink, Jay L Zweier, Chandan K Sen, Shahid M Nimjee, The Ohio State Univ. Columbus, OH

#### Poster Board Number P71 / Presentation Number WP71

### Intravenous Thrombolysis in Stroke-mimics: Is There a Relationship With Door-to-needle Time?

Elisa Campos-Costa, Carmen Labandeira-Guerra, Hosp Vall d'Hebron, Barcelona, Spain; Cristina Martínez-Reglero, Hosp Avaro Cunqueiro, Vigo, Spain; Sandra Boned, Maria Muchada, David Rodríguez-Luna, Noelia Rodríguez-Villatoro, Jesus Juega, Jorge Pagola, Carlos A Molina, Marc Ribó, Marta Rubiera, Hosp Vall d'Hebron, Barcelona, Spain

#### Poster Board Number P72 / Presentation Number WP72

### Early Experience on Intravenous Tissue Plasminogen Activator Delivery in Mobile Stroke Unit Patients with Stroke Mimics

Lila E Sheikhi, Stacey Winners, Pravin George, Andrew Russman, Zeshaun Khawaja, Ken Uchino, Muhammad S Hussain, Cleveland Clinic, Cleveland, OH; On behalf of the Cleveland Pre-Hospital Acute Stroke Treatment (PHAST) Study Group

#### Poster Board Number P73 / Presentation Number WP73

### Comparison of Clinical Scores for Symptomatic Intracerebral Hemorrhage After Intravenous Thrombolysis

Kazunari Homma, Shunya Takizawa, Youichi Ohnuki, Tokai Univ, Isehara, Japan

#### Poster Board Number P74 / Presentation Number WP74

### Intravenous Thrombolysis for Acute Ischemic Stroke in Patients Taking Warfarin with Subtherapeutic INR

Aurangzeb Memon, Navdeep Lail, Haris Kamal, Annemarie Crumlish, Marilou Ching, Robert N Sawyer, Ashkan Mowla, State Univ of New York at Buffalo, Buffalo, NY

#### Poster Board Number P75 / Presentation Number WP75

### Patient is Taking Antiplatelet at home – Does This Increase the Risk of Post Intravenous Thrombolysis Intracranial Hemorrhage?

Sandhya Mehla, Arielle S Bokhour, Navdeep Lail, Caila Vaughn, Annemarie Crumlish, Rick Magun, Haris Kamal, Marilou Ching, Christopher Deline, Robert N Sawyer, Ashkan Mowla, State Univ of New York at Buffalo, Buffalo, NY

#### Poster Board Number P76 / Presentation Number WP76

Baseline Characteristics of the 3,096 Patients Recruited Into the 'Triple Antiplatelets for Reducing Dependency After Ischaemic Stroke' (TARDIS) Trial Philip M Bath, Jason P Appleton, Univ of Nottingham, Nottingham, United Kingdom; Maia Beridze, Hosp of War Veterans, Tbilisi, Georgia; Hanne Christensen, Bispebjerg and Frederiksberg Hosp, Copenhagen NV, Denmark; Robert A Dineen, Lelia Duley, Timothy J England, Stan Heptinstall, Marilyn James, Kailash Krishnan, Univ of Nottingham, Nottingham, United Kingdom; Hugh S Markus, Univ of Cambridge, Cambridge, United Kingdom; Stuart Pocock, London Sch of Hygiene & Tropical Med, London, United Kingdom; Annemarei Ranta, Wellington Hosp and Univ of Otago, Wellington, New Zealand; Thompson Robinson, Univ of Leicester, Leicester, United Kingdom; Katie Flaherty, Polly Scutt, Univ of Nottingham, Nottingham, United Kingdom; Graham S Venables, Sheffield Teaching Hosp NHS Fndn Trust, Sheffield, United Kingdom; Lisa Woodhouse, Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom

#### **Aneurysm Posters I**

WP77 - WP94

#### Poster Board Number P77 / Presentation Number WP77

Comparison of Pipeline Embolization Device With Conventional Endovascular Procedures for the Treatment of Carotid Cavernous Aneurysms
N Ajiboye, Jefferson, Philadelphia, PA

#### Poster Board Number P79 / Presentation Number WP79

### Demographic Comparison of Intracranial and Abdominal Aortic Aneurysm Patients

Blake L Rosenbaum, UVA Sch of Med, Charlottesville, VA; Nicole A Chiota-McCollum, UVA Hosp, Charlottesville, VA; Claire McKinley, UVA, Charlottesville, VA; Julia K Krupa, UVA Hosp, Charlottesville, VA; James F Meschia, Kevin M Barrett, Mayo Clinic, Jacksonville, FL; Andrew M Southerland, UVA Sch of Med, Charlottesville, VA; Bradford B Worrall, UVA Hosp, Charlottesville, VA

#### Poster Board Number P80 / Presentation Number WP80

Efficacy of Coiling Versus Clipping for Posterior Communicating Artery Aneurysms Causing Oculomotor Nerve Palsy: A Systematic Review and Meta-analysis
Ou Siqi, Liang Feng, Li Fanying, Yang Yibing, Qi Tiewei, First Affiliated Hosp, Sun
Yatsen Univ, Guangzhou City, People's Republic of China, Guangzhou, China

#### Poster Board Number P81 / Presentation Number WP81

#### Prediction of Cerebral Aneurysm Growth Using Original Magnetic Resonance Imaging-based Computational Fluid Dynamics Tool

Hidehito Kimura, Kobe Univ Graduate Sch of Med, Kobe, Japan; Kohsuke Hayashi, Kobe Univ Graduate Sch of Engineering, Kobe, Japan; Kohkichi Hosoda, Atsushi Fijita, Masaaki Taniguchi, Kobe Univ Graduate Sch of Med, Kobe, Japan; Akio Tomiyama, Kobe Univ Graduate Sch of Engineering, Kobe, Japan; Eiji Kohmura, Kobe Univ Graduate Sch of Med, Kobe, Japan

#### Poster Board Number P82 / Presentation Number WP82

# Transcranial Doppler Detection of Microembolic Signals During the Advancement and Deployment of Pipeline Embolization Devices in Unruptured Intracranial Aneurysm Repair

Andres Hughes, Mark J Dannenbaum, Peng R Chen, Arthur L Day, Huimahn A Choi, Dong H Kim, Spiros L Blackburn, McGovern Medical Sch at UTHealth, Houston, TX

#### Poster Board Number P83 / Presentation Number WP83

#### Wall Shear Stress Strength Over the Cerebral Aneurysm is Drastically Affected by Aneurysm Location While the Magnitude of Disturbed Flow is Closely Related to Aneurysm Size and Surface Area

Shunichi Fukuda, Kyoto Medical Ctr, Kyoto, Japan; Yuji Shimogonya, Tohoku Univ, Sendai, Japan

#### Poster Board Number P84 / Presentation Number WP84

### Obstructive Sleep Apnea May Worsen the Overall Outcome of Intracranial Aneurysms

Shyamal Bir, Anil Nanda, Hugo Cuellar, Hai Sun, Cesar Liendo, Alireza Minagar, Oleg Chernyshev, LSU Health Sciences Ctr, Shreveport, LA

#### Poster Board Number P85 / Presentation Number WP85

### Flow-diverter Embolization for Tandem Intracranial Aneurysms: A Single Center Experience

Russell Cerejo, Seby John, Andrew Bauer, Mark Bain, Thomas Masaryk, Muhammad S Hussain, Gabor Toth, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P86 / Presentation Number WP86

#### Early Detection of Aneurysm Growth by Volume and Surface Area Analysis Using 3D Modeling From CT Angiography

Hajime Yokota, Aichi Chien, Emiko Morimoto, Pablo Villablanca, Noriko Salamon, David Geffen Sch of Med at UCLA, Los Angeles, CA

#### Poster Board Number P87 / Presentation Number WP87

Related Factors to Growth of Intracranial Aneurysm: Time Course Analysis Hajime Yokota, Aichi Chien, Emiko Morimoto, Takashi Abe, Pablo Villablanca, Noriko Salamon, David Geffen Sch of Med at UCLA, Los Angeles, CA

#### Poster Board Number P88 / Presentation Number WP88

Relationship Between Aneurysm Size and Distal Cerebral Hemodynamics Ahmed E Hussein, Denise Brunozzi, Sophia F Shakur, Fady T Charbel, Ali Alaraj, Univ of Illinois at Chicago, Chicago, IL

#### Poster Board Number P89 / Presentation Number WP89

### Preliminary Single-center Experience with Neuroform Atlas Stent-assisted Coiling for Unruptured Intracranial Aneurysms

Gabriele Ciccio', Stanislas Smajda, Thomas Robert, Raphael Blanc, Hocine Redjem, Hidesato Takezawa, Payam Sasannejad, Michel Piotin, Fondation A Rothschild, Paris, France

#### Poster Board Number P90 / Presentation Number WP90

#### The Role of Haemodynamics in a Bifurcation Vessel Narrowing or Occlusion After Aneurysm Treatment with Flow Diverter Stents

Ana Paula Narata, Univ Hosp of Tours, Tours, France; Fernando Silva, Univ Federal do ABC, Sao Paulo, Brazil; Ignacio Larrabide, Univ Nacional del Ctr de la Provincia de Buenos Aires, Tandil, Argentina; Cecile Perrault, Univ of Sheffield, Sheffield, United Kingdom; Charles Sennoga, Univ Francois-Rabelais, Tours, France; Alberto Marzo, Univ of Sheffield, Tours, United Kingdom

#### Poster Board Number P91 / Presentation Number WP91

### Long-Term Risk of Stroke after Stent-Assisted Coiling of Unruptured Intracranial Aneurysms

Setareh Salehi Omran, Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P92 / Presentation Number WP92

### Risk Factors for Thrombotic Events in the Endovascular Treatment of Ruptured Cerebral Aneurysms

Ali Sultan-Qurraie, Medical Coll of Wisconsin, Milwaukee, WI; Adam de Havenon, Univ of Utah, Salt Lake City, UT; John Lynch, Medical Coll of Wisconsin, Milwaukee, WI; David Tirschwell, Univ of Washington, Seattle, WA; Marc Lazzaro, Brian Fred-Fitzsimmons, Medical Coll of Wisconsin, Milwaukee, WI

#### Poster Board Number P94 / Presentation Number WP94

#### Emphysema: A Potential Risk Factor for Ruptured Cerebral and Aortic Aneurysms

Ali Manta, Columbia Univ, New York, NY; Alexander E Merkler, Weill Cornell Medical Coll, New York, NY; Michael E Reznik, Columbia Univ, New York, NY; Hooman Kamel, Weill Cornell Medical Coll, New York, NY

### Basic and Preclinical Neuroscience of Stroke Recovery Posters I

WP95 - WP123

#### Poster Board Number P95 / Presentation Number WP95

### Splenectomy Protects Aged Mice From Cerebral Injury in the Experimental Stroke Model

Anjali Chauhan, Meaghan Roy-O'Reilly, Abdullah Mamun, Nia Harris, Javiera Bravo-Alegria, Louise McCullough, Univ of Texas health Science Ctr, Houston, TX

#### Poster Board Number P96 / Presentation Number WP96

#### The Histone Deacetylase Inhibitor, Sodium Butyrate, Exhibits Biphasic Neuroprotective Mechanisms in the Acute Phase of Ischemic Stroke in Middle-Aged Female Rats

Min Jung Park, Farida Sohrabji, Texas A&M Health Science Ctr, Bryan, TX

#### Poster Board Number P97 / Presentation Number WP97

### Semaphorin3a May Regulate Axonal Regeneration and Guidance in Ischemic Rat Brains

Kenichiro Hira, Yuji Ueno, Nobukazu Miyamoto, Kazuo Yamashiro, Ryota Tanaka, Takao Urabe. Nobutaka Hattori. Juntendo Univ Sch of Med. Tokyo, Japan

#### Poster Board Number P98 / Presentation Number WP98

### Role of Hydrogen Peroxide in Preconditioning of Microglia to Achieve Improved Hematoma Cleanup After ICH

Xiurong Zhao, Guanghua Sun, Shun-Ming Ting, Jaroslaw Aronowski, Univ of Texas Health Science Ctr, Houston, TX

#### Poster Board Number P99 / Presentation Number WP99

#### Neuroprotective Therapy for Ischemia-Reperfusion Injury by Hemoglobinalbumin-cluster(Hemoact<sup>Tm</sup>)

Masayuki Gekka, Takeo Abumiya, Hokkaido Univ Sch of Med, Sapporo, Japan; Teruyuki Komatsu, Ryousuke Funaki, Chuo Univ, Tokyo, Japan; Kota Kurisu, Naoki Nakayama, Ken Kazumata, Hideo Shichinohe, Kiyohiro Houkin, Hokkaido Univ Sch of Med, Sapporo, Japan

#### Poster Board Number P100 / Presentation Number WP100

### Vitamin D Deficiency Induced Alteration in Blood Brain Barrier Following Stroke in Rats

Bushra Wali, Iqbal Sayeed, Donald G Stein, Emory Univ, Atlanta, GA

#### Poster Board Number P101 / Presentation Number WP101

**Hypoxia Drives Anti-inflammatory Polarization of Microglia in Ischemic Stroke** Edward C Koellhoffer, John d'Aigle, Louise D McCullough, McGovern Medical Sch, Houston, TX

#### Poster Board Number P102 / Presentation Number WP102

### Retrograde Neurodegeneration of Substantia Nigra Projections to the Striatum Following Long Term Survival After Ischemic Stroke

Aditya Panta, Farida Sohrabji, Texas A & M Health Science Ctr, Bryan, TX

#### Poster Board Number P103 / Presentation Number WP103

### ABCA1/HDL Signaling Pathway Mediates White Matter Remodeling and Improves Functional Outcome After Stroke

Rongwen Li, Michael Chopp, Jieli Chen, Alex Zacharek, fengjie Wang, Julie Landshoot-Ward, Xu Cui, Henry Ford Hosp, Detroit, MI

#### Poster Board Number P105 / Presentation Number WP105

### Tissue Plasminogen Activator (tPA) is Essential for Functional Recovery After Stroke by Promoting Axonal Outgrowth

Shubei Ma, Univ of Pittsburgh, Pittsburgh, PA

#### Poster Board Number P106 / Presentation Number WP106

### Attenuation of Stroke Damage by Angiotensin II Type 2 Receptor Stimulation via Peroxisome Proliferator-Activated Receptor-gamma Activation

Bao-Shuai Shan, Dept of Mol Cardiovasc Biol & Phamacol Ehime Univ, Grad Sch of Med, Tohon, Ehime, Japan; Masaki Mogi, Jun Iwanami, Hui-Yu Bai, Masayoshi Kukida, Toshihiro Yamauchi, Akinori Higaki, Li-Juan Min, Masatsugu Horiuchi, Dept of Mol Cardiovasc Biol & Phamacol Ehime Univ, Grad Sch of Med, Tohon, Japan

#### Poster Board Number P107 / Presentation Number WP107

### Igf-1-mediated Neuroprotection for Ischemic Stroke is Preceded by Its Actions at the Endothelial Cell Barrier

Shameena Bake, Andre Okoreeh, Farida Sohrabji, Texas A&M Health Science Ctr, Bryan, TX

#### Poster Board Number P108 / Presentation Number WP108

# Astrocyte-specific rAAV-mediated Insulin-like Growth Factor-1 Expression in Aging Female Rats Alters Stroke-induced Brain Immune Profile and Reduces Motor Impairment

Andre K Okoreeh, Shameena Bake, Farida Sohrabji, Texas A&M Health Science Ctr, Bryan, TX

#### Poster Board Number P109 / Presentation Number WP109

Subacute Intranasal Administration of Tissue Plasminogen Activator Increases Corticospinal Tract Plasticity and Functional Recovery After Stroke in Mice Jian-Yong Qian, Michael Chopp, Ning Chen, Zhongwu Liu, Henry Ford Hosp, Detroit, MI

#### Poster Board Number P110 / Presentation Number WP110

### Identification and Validation of a Unique Mirna Target Mir-141-3p in Post Stroke Socially Isolated Aged Mice

Rajkumar Verma, UCONN Health, Farmington, CT; Louise D McCullough, Univ of Texas Health Science Ctr. Houston. TX

#### Poster Board Number P111 / Presentation Number WP111

### Diffusion Tensor Imaging of Corticospinal Tract Recovery After Intra-arterial Mesenchymal Stem Cell Infusion in a Canine Stroke Model

Luis Guada, Kunakorn Atchaneeyasakul, Pradip Pattany, Gaurav Saigal, Kevin Ramdas, Mitsuyoshi Watanabe, Dileep Yavagal, Univ of Miami, MIAMI, FL

#### Poster Board Number P112 / Presentation Number WP112

### Residual Damage is Reduced Following Human Umbilical Tissue Derived Cell Infusion in a Non-human Primate Model of Cortical Injury

Mary E Orczykowski, Eli Shobin, Samantha M Calderazzo, Boston Univ Sch of Med, Boston, MA; Brian C Kramer, Janssen Scientific Affairs, LLC, Horsham, PA; Farzad Mortazavi, Douglas L Rosene, Tara L Moore, Boston Univ Sch of Med, Boston, MA

#### Poster Board Number P113 / Presentation Number WP113

#### Induced Pluripotent Stem Cells Derived Neurons Ideally Serve as a Human Stroke Model of Neuronal Damage and Neuroprotective Intervention

Mushfiquddin Khan, Tajinder S Dhammu, Mauhamad Baarine, Medical Univ of South Carolina, Charleston, SC; Avtar K Singh, Ralph H Johnson VA Medical Ctr, Charleston, SC; Inderjit Singh, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P114 / Presentation Number WP114

#### High-fat Diet Leads to Increased Brain Inflammation and Worse Outcomes After Stroke in Mice

Todd C Peterson, Kendra Lechtenberg, Ishan Ayyalasomayajula, Iris Montes, Marion Buckwalter. Stanford Univ. Palo Alto. CA

#### Poster Board Number P115 / Presentation Number WP115

# Transplanted Induced Neural Stem Cells Differentiate and Integrate Into the Brain Parenchyma of Ischemic Stroke Pigs Leading to Improved Tissue Recovery

Emily W Baker, Simon R Platt, Shannon P Holmes, Univ of Georgia, Athens, GA; Liya Wang, Emory Univ, Atlanta, GA; Vivian W Lau, Harrison E Grace, Holly A Kinder, Elizabeth W Howerth, Kylee Jo J Duberstein, Steven L Stice, Univ of Georgia, Athens, GA; David C Hess, Augusta Univ, Augusta, GA; Hui Mao, Emory Univ, Atlanta, GA; Franklin D West, Univ of Georgia, Athens, GA

#### Poster Board Number P116 / Presentation Number WP116

### Combined AICAR and GW501516 Therapy Promotes Motor Recovery After Photothrombotic Stroke in Mice

Abdullah Al Shoyaib, Faisal F Alamri, Srinidhi Jayaraman, Vardan T Karamyan, Sch of Pharmacy, TTUHSC, Amarillo, TX

#### Poster Board Number P117 / Presentation Number WP117

High-dimensional Analysis of Inflammatory Cells in Ischemic Stroke Mice Yaning Li, Tao Tao, Heng Zhao, Stanford Univ, Palo Alto, CA

#### Poster Board Number P118 / Presentation Number WP118

### Docosahexaenoic Acid Provides Neuroprotection by Increasing Neurogenesis After Experimental Stroke

Nicolas Ġ Bazan, Larissa Khoutorova, Sung-Ha Hong, Hemant Menghani, Ludmila Belavev. Louisiana State Univ. New Orleans. LA

#### Poster Board Number P119 / Presentation Number WP119

### Transcriptome Analysis of Motor Cortex Network Responses in Spontaneously Recovered Stroke Mice

Masaki Ito, Markus Aswendt, Michelle Y Cheng, Alex G Lee, Shunsuke Ishizaka, Eric H Wang, Daniel Smerin, Sabrina Levy, Gary K Steinberg, Stanford Univ Sch of Med, Stanford, CA

#### Poster Board Number P120 / Presentation Number WP120

#### MicroRNA Expression in Patients With Acute Ischemic Stroke

Janhavi M Modak, Beth Israel Deaconess Medical Ctr, Boston, MA; Meaghan A Roy-O'Reilly, Univ of Texas Health Science Ctr at Houston, Houston, TX; Sarah E Conway, Brigham and Women's Hosp, Boston, MA; Liang Zhu, Louise D McCullough, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P122 / Presentation Number WP122

#### Heterochronic Parabiosis Reverses the Epigenetic Imbalance of the Aged Central Nervous System

Edward C Koellhoffer, Diego Morales-Scheihing, John d'Aigle, Louise D McCullough, McGovern Medical Sch, Houston, TX

#### Poster Board Number P123 / Presentation Number WP123

#### **Neuroprotective Efficacy of P7C3-A20 After Ischemic Stroke**

Zachary B Loris, Univ of Miami, Miami, FL; Andrew A Pieper, Univ of Iowa, Iowa City, IA; W Dalton Dietrich, Univ of Miami, Miami, FL

#### Cerebral Large Artery Disease Posters I

WP124 - WP153

#### Poster Board Number P124 / Presentation Number WP124

### Signal Intensity Ratio Does Not Predict Recurrent Stroke in Patients with Symptomatic Intracranial Atherosclerotic Disease

Owaiz Ansari, Rajbeer S Sangha, Sameer Ansari, Shyam Prabhakaran, Northwestern Univ, Chicago, IL

#### Poster Board Number P125 / Presentation Number WP125

### Accelerated 3d Isotropic High-resolution Multi-contrast Intracranial Vessel Wall MRI For Large Artery Stroke Evaluation

Niranjan Balu, Univ of Washington, Seattle, WA; Zechen Zhou, Philips Healthcare, Beijing, China; Mahmud Mossa-basha, Chun Yuan, Univ of Washington, Seattle, WA

#### Poster Board Number P126 / Presentation Number WP126

### Transcranial Doppler and Microemboli Detection Relationships to Symptomatic Status and Histopathology Findings

Carol Mitchell, Stephanie M Wilbrand, Catherine N Steffel, Tomy Varghese, Nirvedh Meshram, Geng Li, Thomas D Cook, Shahriar Salamat, Robert J Dempsey, Univ of Wisconsin Madison, Madison, WI

#### Poster Board Number P128 / Presentation Number WP128

#### A Comprehensive Assessment of Atherosclerotic Burden in the Cervicocephalic Arterial Tree in Patients with Acute Ischemic Cerebrovascular Disease and Coronary Artery Stenosis

Xin Ma, Qi Kong, Dept of Neurology, Xuan Wu Hosp, Capital Medical Univ; Stroke Ctr, Xuan Wu Hosp, Capital Medical Univ, Beijing, China; Chen Wang, Dept of Radiology, Xuan Wu Hosp, Capital Medical Univ, Beijing, China; Wuwei Feng, Bruce Ovbiagele, Dept of Neurology, Medical Univ of South Carolina, Charleston, SC; Xunming Ji, Dept of Neurosurgery, Xuan Wu Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number P129 / Presentation Number WP129

#### MRI and Non Contrast CT Clot Imaging for Successful Large Vessel Clot Resolution of Posterior Circulation Ischemic Strokes

Siddhart Mehta, Spozhmy Panezai, Ashish Kulhari, Audrey Z Arango, Laura Suhan, Briana DeCarvalho, Aashish Patel, Jawad F Kirmani, JFK Medical Ctr, Edison, NJ

#### Poster Board Number P130 / Presentation Number WP130

#### Validation of Multi-parametric Ultrasonography Criteria with Catheter Angiography in Internal Carotid Artery Disease: A Prospective Multicenter Study

Kristian Barlinn, Univ Hosp Carl Gustav Carus, Dresden, Germany; Henning Rickmann, Municipal Hosp Karlsruhe, Karlsruhe, Germany; Hagen H Kitzler, Univ Hosp Carl Gustav Carus, Dresden, Germany; Christos Krogias, Ruhr Univ Bochum, Bochum, Germany; Henning Strohm, Municipal Hosp München-Neuperlach, Muenchen, Germany; Andrij Abramyuk, Ali Rabahi, Jessica Barlinn, Timo Siepmann, Xina Graehlert, Uta Schwanebeck, Simon Winzer, Univ Hosp Carl Gustav Carus, Dresden, Germany; Sebastian Arnold, Municipal Hosp Karlsruhe, Dresden, Germany; Peter Moennings, Ruhr Univ Bochum, Dresden, Germany; Lars-Peder Pallesen, Ulf Bodechtel, Univ Hosp Carl Gustav Carus, Dresden, Germany; Harald Mudra, Municipal Hosp München-Neuperlach, Dresden, Germany; Jennifer Linn, Heinz Reichmann, Univ Hosp Carl Gustav Carus, Dresden, Germany; Georg Gahn, Municipal Hosp Karlsruhe, Dresden, Germany; Norbert Weiss, Volker Puetz, Univ Hosp Carl Gustav Carus, Dresden, Germany

#### Poster Board Number P131 / Presentation Number WP131

### Temporal Dynamics of Symptomatic Intracranial Atherosclerotic Plaque Post Contrast Enhancement A Serial High-resolution MRI Study

Alvaro Carbayo, Elena Martínez-Velasco, Stroke Program Hosp Clínico Univrio, Valladolid, Spain; Margarita Rodríguez-Velasco, Radiology Dept Hosp Clínico Univrio, Valladolid, Spain; María Usero, Ana Calleja, Elisa Cortijo, Mercedes De Lera, Javier Reyes, Pedro Muñoz, Juan F Arenillas, Stroke Program Hosp Clínico Univrio, Valladolid, Spain

#### Poster Board Number P132 / Presentation Number WP132

### A Genome Wide Association Study in Patients with Symptomatic Intracranial Atherostenosis

Juan F Arenillas, Hosp Clínico Univrio, Valladolid, Spain; Caty Carrera, Neurovascular Res Lab, Vall d'Hebron Inst of Res, Barcelona, Spain; Natàlia Cullell, Stroke Pharmacogenomics and Genetics, Fundació Docència i Recerca Mutua Terrassa, Terrassa, Barcelona, Spain; Javier Reyes, Pedro L Muñoz, Hosp Clínico Univrio, Valladolid, Spain; Joan Montaner, Neurovascular Res Lab, Vall d'Hebron Inst of Res, Barcelona, Spain; Israel Fernández-Cadenas, Stroke Pharmacogenomics and Genetics, Fundació Docència i Recerca Mutua Terrassa, Terrassa, Barcelona, Spain

#### Poster Board Number P133 / Presentation Number WP133

#### A Novel Collateral Metric of MCA Hemodynamics in SAMMPRIS

David S Liebeskind, Neurovascular Imaging Res Core, Los Angeles, CA; Yongkun Li, Fujian Provincial Hosp, Fuzhou, China; Graham W Woolf, Fabien Scalzo, Neurovascular Imaging Res Core, Los Angeles, CA; George A Cotsonis, Emory Univ, Atlanta, GA; Osama O Zaidat, St Vincent Mercy Hosp, Toledo, OH; David J Fiorella, Stony Brook Univ Medical Ctr, Stony Brook, NY; Colin P Derdeyn, Univ of Iowa, Iowa City, IA; Edward Feldmann, Tufts Univ Sch of Med, Springfield, MA; Marc I Chimowitz, Medical Univ of South Carolina, Charleston, SC; for the SAMMPRIS Investigators

#### Poster Board Number P134 / Presentation Number WP134

#### Decreased Flow Velocities After General Anesthesia Before Carotid Endarterctomy Are Not Associated with Cerebral Hyperperfusion Syndrome or Perioperative Cerebral Infarction

YUMEI LIU, Yang Hua, Liqun Jiao, Beibei Liu, Jingzhi Li, Yinghua Zhou, Nan Zhang, Xuanwu Hosp Capital Medical Univ, Beijing, China; Wuwei Feng, Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P135 / Presentation Number WP135

### Is Hyperintense Carotid Plaque on T1-weighted Images an Independent Risk Factor for Symptomatic Carotid Stenosis?

Shinsuke Narumi, Makoto Sasaki, Tatsunori Natori, Kuniaki Ogasawara, Masakazu Kobayashi, Yasuo Terayama, Iwate Medical Univ, Morioka, Japan

#### Poster Board Number P136 / Presentation Number WP136

### Perfusion and Plaque Evaluation in Symptomatic Middle Cerebral Arterial Athrosclerotic Stenosis: Characterization With Multimodel MRI

Jinhao Lyu, Chinese PLA General Hosp, Beijing, China; Ning Ma, Beijing Tiantan Hosp, Capital Medical Univ,, Beijing, China; Xiaoxiao Ma, Lin Ma, Chinese PLA General Hosp, Beijing, China; Zhongrong Miao, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Xin Lou, Chinese PLA General Hosp, Beijing, China

#### Poster Board Number P137 / Presentation Number WP137

Angiographical Characteristics of Moyamoya Disease Presenting With Ischemia Hiroyuki Sakata, Kuniyasu Niizuma, Miki Fujimura, Teiji Tominaga, Tohoku Univ Graduate Sch of Med, Sendai, Japan

#### Poster Board Number P138 / Presentation Number WP138

#### MRI Detection of Vessel Wall Inflammation and Contrast Leakage in Cerebral Amyloid Angiopathy

Adam De Havenon, Remy Lobo, Laura Eisenmenger, Nabeel Chauhan, Dana Dewitt, Seong-Eun Kim, Dennis Parker, Joseph S McNally, Univ of Utah, Salt Lake City, UT

#### Poster Board Number P139 / Presentation Number WP139

### The Correlation Between Supraorbital Artery Flow Patterns and Degree of Carotid Artery Stenosis

Xiao Tong Xu, Ning Ma, Beijing Tiantan Hosp, Beijing, China; Huadong Wu, The Third Affiliated Hosp of Nanchang Univ, Nanchang, China; Zhongrong Miao, Dapeng Mo, Beijing Tiantan Hosp, Beijing, China

#### Poster Board Number P140 / Presentation Number WP140

#### Imaging of Clot Porosity Prior to Endovascular Thrombectomy

David S Liebeskind, Elijah Agbayani, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Baixue Jia, Beijing Tian Tan Hosp, Beijing, China; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Jason D Hinman, Neurovascular Imaging Res Core, Los Angeles, CA; Radoslav Raychev, Latisha K Sharma, Doojin Kim, Neal M Rao, Sidney Starkman, Jeffrey L Saver, Reza Jahan, Viktor Szeder, Satoshi Tateshima, Gary R Duckwiler, UCLA, Los Angeles, CA; Fabien Scalzo, Neurovascular Imaging Res Core, Los Angeles, CA; for the UCLA Stroke Investigators

#### Poster Board Number P141 / Presentation Number WP141

#### **Genetic Polymorphisms Influence Carotid Atherosclerosis**

Eugenia Arias, Horacio Martinetto, Naomi Arakaki, Gustavo E Sevlever, Sebastian F Ameriso, Fleni, Capital Federal, Argentina

#### Poster Board Number P142 / Presentation Number WP142

# Intravenous Tissue Plasminogen Activator for Patients with Mild and Rapidly Improving Ischemic Strokes and Large Vessel Occlusions: Examining Inhospital Outcomes

Jeffrey Wagner, Constance McGraw, Kathryn McCarthy, Judd Jensen, Alessandro Orlando, David Bar-Or, Russell Bartt, Swedish Medical Ctr, Englewood, CO

#### Poster Board Number P143 / Presentation Number WP143

### Intensive Lipid-Lowering Therapy Ameliorating Asymptomatic Intracranial Atherosclerosis

Xiu-Hai Guo, Dept of Neurology, Beijing, China; Qi Yang, Dept of Radiology, Beijing, China; Yu-Jiao Yang, Ming Ren, Xun-Ming Ji, Dept of Neurology, Beijing, China

#### Poster Board Number P144 / Presentation Number WP144

#### **Ultrasound Criteria for Assessment of Vertebral Artery Origins**

Cory Rice, Tamara Strohm, Larry Raber, Irene Katzan, Muhammad Shazam Hussain, Ken Uchino, The Cleveland Clinic Fndn, Cleveland, OH

#### Poster Board Number P145 / Presentation Number WP145

#### Presence of Vasa Vasorum Neovascularization on Optical Frequency Domain Imaging Predicts Progression of Carotid Artery Stenosis

Masatomo Miura, Kiyofumi Yamada, Takuya Kanamaru, Kazutaka Uchida, Manabu Shirakawa, Shinichi Yoshimura, Hyogo Coll of Med, Hyogo, Japan

#### Poster Board Number P146 / Presentation Number WP146

### Outcomes of Carotid Endarterectomy Following the CMS Reimbursement Guidelines

Aws Alawi, Columbia Univ Medical Ctr, New York, NY; Firas Al Shakarchi, Amer Alshekhlee, Saint Louis Univ, Saint Louis, MO

#### Poster Board Number P147 / Presentation Number WP147

### Carotid Endarterectomy and Concurrent Clopidogrel Use: US National Practice Patterns

Eva A Mistry, Houston Methodist Hosp, Houston, TX; Jane Khoury, Cincinnati Children's Medical Ctr, Cincinnati, OH; Dawn Kleindorfer, Univ of Cincinnati Coll of Med. Cincinnati. OH

#### Poster Board Number P148 / Presentation Number WP148

#### Basilar Artery Displacement is Associated with Migraine with Aura

Cen Zhang, NYU Langone Medical Ctr, New York, NY; Brett L Cucchiara, John Detre, Hosp of the Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P150 / Presentation Number WP150

### BeamSAT MRI Help to Identify Patients at Risk for Intolerance to Temporary Internal Carotid Artery Occlusion During CEA and CAS

Jun Tanaka, Kohkichi Hosoda, Yusuke Yamamoto, Taichiro Imahori, Atsushi Fujita, Masaaki Kohta, Daisuke Yamamoto, Tomoaki Nakai, Eiji Kohmura, Kobe Univ Graduate Sch of Med, Kobe, Japan

#### Poster Board Number P151 / Presentation Number WP151

#### Genetic Variant RNF213 in non-MMD Intracranial Major Artery Stenosis/ Occlusion in Chinese Han Population and HR-MRI Findings

Sufang Xue, Weiyang Cheng, Wanqian Wang, Haiqing Song, Xuanwu Hosp of Capital Medical Univ, Beijing, China; Wuwei(Wayne) Feng, Brace Ovbiagele, Coll of Med, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P152 / Presentation Number WP152

#### Collateral Circulation Alters Downstream Hemodynamic Stress Caused by Intracranial Atherosclerotic Stenosis

Xin Liu, Yuehua Pu, Zhongrong Miao, Yilong Wang, Liping Liu, Yongjun Wang, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number P153 / Presentation Number WP153

### Severe Obstructive Sleep Apnea is Associated With Presence of Intracranial Cerebral Atherosclerosis

Tae-Jin Song, Yoonkyung Chang, Yong-Jae Kim, Hyang Woon Lee, Ewha Womans Univ Sch of Med, Seoul, Korea, Republic of

#### Clinical Rehabilitation and Recovery Posters I WP154 - WP175

#### Poster Board Number P154 / Presentation Number WP154

### Forced- and Voluntary-Rate Aerobic Exercise Training Improve Cardiovascular Function in Individuals With Chronic Stroke

Susan Linder, Anson Rosenfeldt, Andrew Bazyk, John Lee, Marcus Blohm, Amanda Penko, Jay Alberts. Cleveland Clinic, Cleveland, OH

#### Poster Board Number P155 / Presentation Number WP155

# Is Erectile Dysfunction More Frequent Among Men with History of Stroke: Analysis of National Health and Nutrition Examination Surveys 2001 to 2004 Adnan I Qureshi, Sher Afgan, Muhammad A Saleem, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P156 / Presentation Number WP156

### Therapy-related Structural Plasticity Of Temporal White Matter Is Related To Naming Recovery In Aphasia

Emilie McKinnon, Russell Glenn, Ashley Wabnitz, Jens Jensen, Joseph Helpern, Leonardo Bonilha, Medical Univ of South Carolina, Charleston, SC; Julius Fridriksson, Univ of South Carolina, Columbia, SC

#### Poster Board Number P157 / Presentation Number WP157

Sympathetic and Cerebrovascular Responses to Blood Flow Restriction Resistance Exercise: A Potential Parallel to Remote Ischemic Preconditioning? Justin D Sprick, Hannah B Colby, Caroline A Rickards, Univ of North Texas Health Science Ctr, Fort Worth, TX

#### Poster Board Number P159 / Presentation Number WP159

#### **Effects of Gender on Sleep Alterations After Stroke**

Grace S Griesbach, Ctr for Neuro Skills, Encino, CA; Sarah K Finley, Jennifer Williams, Ctr for Neuro Skills, Irving, TX; David Harrington, Ctr for Neuro Skills, Bakersfield, CA

#### Poster Board Number P160 / Presentation Number WP160

#### **Delirium in Right Hemisphere Stroke**

Sara K Rostanski, Marykay A Pavol, Marissa Barbaro, Minji Kim, Randolph S Marshall, Columbia Univ, New York, NY; A M Barrett, Kessler Fndn, West Orange, NJ

#### Poster Board Number P161 / Presentation Number WP161

### Early Short Physical Performance Battery (SPPB) Score Can Predict Functional Independence and Death for Acute Stroke

Ken-ichi Kumagae, Kohta Yamauchi, Risa Hagiwara, Yasuhiro Koyanagi, Shuji Arakawa, Steel Memorial Yawata Hosp, Kitakyushu, Japan; Shigeru Fujimoto, Jichi Medical Univ, Shimotsuke, Japan; Satoshi Suzuki, Fukuoka Kieikai Hosp, Fukuoka, Japan

#### Poster Board Number P162 / Presentation Number WP162

### Work Performance Questionnaire After Returning to Work in Ischemic Stroke Survivors: The Work Performance Survey

Miguel A Barboza, Luis C Becerra, Fabiola E Serrano, Antonio Arauz, Insto Nacional de Neurología y Neurocirugía, Manuel Velasco Suárez, México DF, Mexico

#### Poster Board Number P163 / Presentation Number WP163

### Post-stroke Aphasia Severity is Determined by the Disorganization of Residual White Matter Networks

Barbara K Marebwa, Medical Univ of South Carolina, Charleston, SC; Julius Fridriksson, Grigori Yourganov, Univ of South Carolina, Columbia, SC; Lynda Feenaughty, Medical Univ of South Carolina, Charleston, SC; Chris Rorden, Univ of South Carolina, Columbia, SC; Leonardo Bonilha, Medical Univ of South Carolina, Charleston. SC

#### Poster Board Number P164 / Presentation Number WP164

### Paging Dr Lasagna: Why Early Inpatient Rehab Trial Recruitment Rate is in Single Digits

Shashwati Geed, Margot L Giannetti, Jessica Barth, Kathaleen P Brady, Claire P Wilson, MedStar Natl Rehabilitation Hosp, Washington, DC; Dorothy F Edwards, Univ of Wisconsin Madison, Malison, WI; Alexander W Dromerick, MedStar Natl Rehabilitation Hosp, Washington, DC

#### Poster Board Number P165 / Presentation Number WP165

### Mexican Americans Receive Less Intensive Stroke Rehabilitation Than non Hispanic Whites

Lewis B Morgenstern, Emma Sais, Univ of Michigan, Ann Arbor, MI; Michael Fuentes, Corpus Christi PM&R Physician, Corpus Christi, TX; Nneka Ifejika, Univ of Texas, Houston, TX; Xiaqing Jiang, Univ of Michigan, Ann Arbor, MI; Susan Horn, Univ of Utah, Salt Lake City, UT; Lynda Lisabeth, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number P166 / Presentation Number WP166

#### Dietary Nitrate Supplements and Ischemic Stroke Recovery: A Pilot Study

Cheryl Bushnell, Daniel Beavers, Wake Forest Sch of Med, Winston Salem, NC; Gary Miller, Wake Forest Univ, Winston Salem, NC; Susan Reeves, Pamela Duncan, Wake Forest Sch of Med, Winston Salem, NC; Swati Basu, Daniel Kim-Shapiro, Wake Forest Univ, Winston Salem, NC

#### Poster Board Number P167 / Presentation Number WP167

### Timed Up and Go Test With an Obstacle (TUGO): Reliability and Its Association With Motor Functions in People With Chronic Stroke

Shamay S Ng, The Hong Kong Polytechnic Univ, Hong Kong, Hong Kong

#### Poster Board Number P168 / Presentation Number WP168

### Neutrophil to Lymphocyte Ratio is a Useful Predictor of Short-term Functional Outcome in Patients With Acute Ischemic Stroke

Tae Jung Kim, Min-Kyung Kang, Kiwoong Nam, Heejung Mo, Sang Joon An, Sang-Bae Ko, Byung-Woo Yoon, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

#### Poster Board Number P169 / Presentation Number WP169

### Patients With Aphasia Demonstrate Variability in Regional Functional Recruitment in Correct Naming Task

Ashley Wabnitz, Barbara Marebwa, Medical Univ of South Carolina, Charleston, SC; Alexandra Basilakos, Chris Rorden, Julius Fridriksson, Univ of South Carolina, Columbia, SC; Leonardo Bonilha, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P170 / Presentation Number WP170

#### Identifying the "New Norm" of Cardiac Rehabilitation after Stroke

Elaine T Miller, Kari Dunning, Dustyn Whitesel, Amber Deinlein, Brett Kissela, Pierce Boyne, Tony Savicki, Myron Gerson, Sarah Couch, Joel Tsevat, Univ of Cincinnati, Cincinnati, OH; Richard Ittenbach, Cincinnati Children's Medical Ctr, Cincinnati, OH; Kathleen Ballman, Univ of Cincinnati, Cincinnati, OH; Theresa Faulkner, Cincinnati Children's Medical Ctr, Cincinnati, OH; Thomas McCormack, Univ of Cincinnati, Cincinnati. OH

#### Poster Board Number P171 / Presentation Number WP171

#### **Female Sex Hormones and Post Acute Stroke Outcome**

Jessica Ashley, Charan Singh, Grace S Griesbach, Ctr for Neuro Skills, Encino, CA

#### Poster Board Number P172 / Presentation Number WP172

#### Increased Prevalence of Early Post Stroke Depression Among Single Women

Dana Sugar, Wayne State Univ Sch of Med, Detroit, MI; Phillip Kucab, Detroit Medical Ctr, Detroit, MI; Ramesh Madhavan, Pratik Bhattacharya, Saint Joseph Mercy Oakland, Pontiac, MI

#### Poster Board Number P173 / Presentation Number WP173

#### **Women Have More Severe Post-Stroke Fatigue Than Men**

Clotilde Balucani, Jonathan Singer, Dimitre Stefanov, Nadege Gilles, Alisen Huang, Jack Mlabasati, Douglas Halcket, Gregory Toy, Sarah Weingast, Steven R Levine, State Univ of New York, SUNY, Downstate Medical Ctr, Brooklyn, NY

#### Poster Board Number P174 / Presentation Number WP174

### Intensive Phonology Treatment Promotes Recovery in Reading in Chronic Aphasia Post Stroke

Shilpa Shamapant, Sarah Bennett, Austin Speech Labs, Austin, TX

#### Poster Board Number P175 / Presentation Number WP175

Attitudes to Stem Cell-based Treatments Among Ischemic Stroke Patients Joseph Aked, Hossein Delavaran, Olle Lindvall, Bo Norrving, Zaal Kokaia, Arne Lindgren, Lund Univ, Lund, Sweden

#### Community/Risk Factors Posters I

WP176 - WP228

#### Poster Board Number P176 / Presentation Number WP176

### Assessing Genome-wide Associations With Ischemic Stroke Using Alternate Definitions of Stroke Subtypes: The SiGN Study

Sara Pulit, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Hakan Ay, Massachusetts General Hosp, Boston, MA; Robert D Brown Jr, Mayo Clinic, Rochester, MN; Dale M Gamble, Mayo Clinic, Jacksonville, FL; Steven J Kittner, Patrick M McArdle, UMD Sch of Med, Baltimore, MD; James F Meschia, Mayo Clinic, Jacksonville, FL; Bradford B Worrall, UVA Health System, Charlottesville, VA; for the NINDS-SiGN Investigators

#### Poster Board Number P177 / Presentation Number WP177

#### **Retinal Nerve Fiber Layer Thickness and Risk Factors of Stroke**

Dandan Wang, Beijing Tiantan Hosp, Beijing, China; Yang Li, Beijing Tongren Hosp, Beijing, China; Yong Zhou, Beijing Tiantan Hosp, Beijing, China; Shouling Wu, Kailua Hosp, Tangshan, China; Wenbin Wei, Beijing Tongren Hosp, Beijing, China; Xingquan Zhao, Beijing Tiantan Hosp, Beijing, China

#### Poster Board Number P178 / Presentation Number WP178

### Combining Novel with Traditional Risk Factors Improves Stroke Prediction in Older Americans: A Systematic Review

Jack Mlabasati, Drexel Univ Coll of Med, Philadelphia, PA; Jonathan Singer, SUNY Downstate Medical Ctr, Brooklyn, NY; Alyssa Conigliaro, Kings County Hosp Ctr, Brooklyn, NY; Prad Selvan, Steven Levine, SUNY Downstate Medical Ctr, Brooklyn, NY

#### Poster Board Number P179 / Presentation Number WP179

#### **Rate of Pulmonary Embolism After Cerebral Venous Thrombosis**

Ava L Liberman, Albert Einstein Coll of Med, Bronx, NY; Alexander E Merkler, Gino Gialdini, Michael P Lerario, Weill Cornell Med, New York, NY; Steven R Messe, Univ of Pennsylvania, Philadelphia, PA; Hooman Kamel, Weill Cornell Med, New York, NY

#### Poster Board Number P180 / Presentation Number WP180

### Rural-Urban Differences in Stroke Incidence, Mortality and Risk Factor Prevalence in Ontario

Geerthana Jeyakumar, McMaster Univ, Hamilton, ON, Canada; Jack V Tu, Peter C Austin, Ruth Hall, Univ of Toronto, Toronto, ON, Canada; Albert Jin, Queen's Univ, Kingston, ON, Canada; Doug Manuel, Univ of Ottawa, Ottawa, ON, Canada; Frank L Silver, Rick Swartz, Univ of Toronto, Toronto, ON, Canada; Anna Chu, Anam M Khan, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Moira K Kapral, Univ of Toronto, Toronto, ON, Canada

#### Poster Board Number P181 / Presentation Number WP181

### Timing of Percutaneous Endoscopic Gastrostomy (PEG) for Acute Ischemic Stroke Inpatients in the United States

George P Albert, Univ of Rochester Coll of Arts and Sciences, Rochester, NY; Benjamin P George, Adam G Kelly, Univ of Rochester Medical Ctr, Rochester, NY; David Y Hwang, Yale Sch of Med, New Haven, CT; Robert G Holloway, Univ of Rochester Medical Ctr, Rochester, NY

#### Poster Board Number P182 / Presentation Number WP182

#### Trends in Acute Ischemic Stroke Hospitalizations and Risk Factors Among Young Adults: 12 Years of Nationally Representative Data

Urvish K Patel, Priti Poojary, Icahn Sch of Med at Mount Sinai, New York, NY; Vishal Jani, Creighton Univ, Omaha, NE; Mandip S Dhamoon, Icahn Sch of Med at Mount Sinai, New York, NY

#### Poster Board Number P183 / Presentation Number WP183

### Spontaneous Echo Contrast is Associated With Larger Cerebral Infarction Volume in Stroke Patients With Atrial Fibrillation

JoonNyung Heo, Kyoungsub Kim, Joonsang Yoo, Young Dae Kim, Hyo Suk Nam, Ji Hoe Heo, Yonsei Univ, Collge of medicine, Seoul, Korea, Republic of

#### Poster Board Number P184 / Presentation Number WP184

### Differential Risk of Embolic Stroke Among Stroke Free Community Dwellers With Distinct Categories of Subcortical Infarct

Jose Gutierrez, Erin R Kulick, Maria Santiago, Tatjana Rundek, Columbia Univ, New York, NY; Ralph Sacco, Clinton Wright, Univ of Miami, Miami, FL; Mitchell Elkind, Columbia Univ, New York, FL

#### Poster Board Number P185 / Presentation Number WP185

Stroke Pre And Post Cardiac Events; A Predictive Or A Prognostic Factor!
Wesam A AlHejily, Mohammed Almekhlafi, King Abdulaziz Univ, Jeddah, Saudi Arabia

#### Poster Board Number P186 / Presentation Number WP186

## Pregnancy Associated Hemorrhagic Strokes Differ in Mechanisms and Risk Factors Compared with Hemorrhagic Strokes in Non-pregnant Young Women and Men

Eliza C Miller, Columbia Univ Medical Ctr, New York, NY; Kathryn M Sundheim, Joshua Z Willey, Amelia K Boehme, Randolph S Marshall, Columbia Univ Coll of Physicians and Surgeons, New York, NY

#### Poster Board Number P187 / Presentation Number WP187

### Subclinical Macro and Microvascular Disease in Stroke-free Subjects With Nonsustained Atrial Fibrillation

Ezgi Yetim, Ethem Murat Arsava, Ugur Canpolat, Rahsan Gocmen, Kader K Oguz, Necla Ozer, Kudret Aytemir, Mehmet Akif Topcuoglu, Hacettepe Univ Faculty of Med, Ankara. Turkev

#### Poster Board Number P188 / Presentation Number WP188

A Damage-Associated Molecular Pattern (DAMP) and Neutrophil Count are Associated with Plasma MMMP-9 Concentration After Acute Ischemic Stroke Ayush Batra, Massachusetts General Hosp & Brigham and Women's Hosp, Boston, MA; Zoe C Wolcott, Ly Pham, Riley Hales, William T Kimberly, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P189 / Presentation Number WP189

### The Association of Blood Pressure Control with Belief of Self-Efficacy in Preventing Stroke

Virginia J Howard, Univ of Alabama-Birmingham, Birmingham, AL; Dawn O Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Shauntice Allen, Univ of Alabama-Birmingham, Birmingham, AL; Dawn M Aycock, Georgia State Univ, Atlanta, GA; Aaron A Anderson, Emory Univ, Atlanta, GA; George Howard, Univ of Alabama-Birmingham, Birmingham, AL

#### Poster Board Number P190 / Presentation Number WP190

#### **Excessive Daytime Sleepiness and Depression in Stroke Survivors**

Quynh Huong Pham, Anjail Sharrief, Sean Savitz, Amrou Sarraj, Lauren Fournier, Farhaan Vahidy, Sharon Abada, Univ of Texas Health Science Ctr, Houston, TX

#### Poster Board Number P192 / Presentation Number WP192

### Periventricular White Matter Hyperintensities Are Associated With Functional Decline: The Northern Manhattan Study

Mandip S Dhamoon, Icahn Sch of Med at Mount Sinai, New York, NY; Ying-Kuen Cheung, Columbia Univ, New York, NY; Ahmet M Bagci, Univ of Miami, Miami, FL; Chensy Marquez, Columbia Univ, New York, NY; Noam Alperin, Univ of Miami, Miami, FL; Mitchell S Elkind, Columbia Univ, New York, NY; Ralph L Sacco, Clinton B Wright, Univ of Miami, Miami, FL

#### Poster Board Number P193 / Presentation Number WP193

### Gum Disease and Ischemic Stroke Risk in the Atherosclerosis Risk in Communities (ARIC) Study

Souvik Sen, Lauren D Giamberardino, USC Sch of Med, Columbia, SC; Kevin Moss, UNC Sch of Dentistry, Chapel Hill, NC; Wayne Rosamond, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Steven Offenbacher, UNC Sch of Dentistry, Chapel Hill, NC

#### Poster Board Number P194 / Presentation Number WP194

#### Physical Activity and Risk of Stroke: Is the Standard Too High?

Han-Gil Jeong, Dong-Wan Kang, Do Yeon Kim, Eun Sun Park, Seung-Hoon Lee, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

#### Poster Board Number P195 / Presentation Number WP195

### Home Time by Stroke Type: a Population-based Study to Evaluate Functional Outcome After a Cerebrovascular Event

Amy Y Yu, Univ of Calgary, Calgary, AB, Canada; Edwin Rogers, Alberta Health Services, Calgary, AB, Canada; Eric E Smith, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number P196 / Presentation Number WP196

### Can being Married Save the Healthcare System Money? A Retrospective Analysis of Stroke Admission in US Military Health Care System

Matthew Blattner, James Price, Walter Reed NMMC, Bethesda, MD; John Holtkamp, Greenville/Emporia Social Services, Emporia, VA; Matthew Holtkamp, Carl R Darnall AMC, Fort Hood, TX

#### Poster Board Number P197 / Presentation Number WP197

#### Increased Carotid Intima-Media Thickness is Associated ith Incident Coronary Heart Disease and Stroke in a Japanese General Population With a 126-year Follow-up: The Suita Study

Yoshihiro Kokubo, Makoto Watanabe, Aya Higashiyama, Yoko M Nakao, Misa Takegami, Yoshihiro Miyamoto, Natl Cerebral and Cardiovascular Ctr, Suita, Japan

#### Poster Board Number P198 / Presentation Number WP198

### Sex Differences in Outcomes After Stroke in Patients With Diabetes in Ontario, Canada

Mandip S Dhamoon, Icahn Sch of Med at Mount Sinai, New York, NY; John W Liang, Jefferson Medical Ctr, Philadelphia, PA; Limei Zhou, Melissa Stamplecoski, Moira Kapral, Baiju R Shah, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada

#### Poster Board Number P199 / Presentation Number WP199

### Outcome of Pregnancies and Deliveries Before and After Ischemic Stroke – A Retrospective Matched Cohort Study

Karoliina Aarnio, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Neurology, Univ of Helsinki, Helsinki, Finland; Mika Gissler, Natl Inst for Health and Welfare, Helsinki, Finland; Ulrike Grittner, Bob Siegerink, Ctr for Stroke Res Berlin (CSB) Charité Univsmedizin Berlin, Berlin, Germany; Markku Kaste, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Neurology, Univ of Helsinki, Finland; Turgut Tatlisumak, Dept of Neurology, Helsinki Univ Hosp and Inst of Neurosciences and Physiology, Sahlgrenska Acad, Univ of Gothenburg & Dept of Neurology, Sahlgrenska Univ Hosp, Gothenburg, Helsinki, Finland; Minna Tikkanen, Dept of Obstetrics and Gynaecology, Helsinki Univ Hosp, Helsinki, Finland; Jukka Putaala, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Neurology, Univ of Helsinki, Helsinki, Finland

#### Poster Board Number P200 / Presentation Number WP200

### Temporal Trends in Public Awareness of the Reperfusion Therapy in Acute Ischemic Stroke Patients in Japan

Kuniyasu Wada, Tadashi Terasaki, Satoshi Namitome, Yoichiro Nagao, Seigo Shindo, Japanese Red Cross Kumamoto Hosp, Kumamoto, Japan; Yukio Ando, Graduate Sch of Medical Sciences, Kumamoto Univ, Kumamoto, Japan

#### Poster Board Number P201 / Presentation Number WP201

### Sub-analysis of Japanese Versus Non-japanese on Background Characteristics and One-year Outcomes in Tiaregistryorg

Shinichiro Uchiyama, Sanno Hosp and Sanno Medical Ctr, Tokyo, Japan; Takao Hoshino, Leila Sissani, Bichat Hosp, Paris, France; Kenji Kamiyama, Nakamura Memorial Hosp, Sapporo, Japan; Taizen Nakase, Res Inst of Brain and Blood Vessels Akita, Akita, Japan; Ken Nagata, Yokohama General Hosp, Yokohama, Japan; Kazuo Kitagawa, Tokyo Women's Medical Univ, Tokyo, Japan; Kazuo Minematsu, Hiroshi Yamagami, Jyoji Nakagawara, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Kenichi Todo, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yasushi Okada, Natl Hosp Kyushu Medical Ctr, Fukuoka, Japan; Takenori Yamaguchi, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Pierre Amarenco, Bichat Hosp, Paris, France

#### Poster Board Number P202 / Presentation Number WP202

### Cardiac and Brain Structure and Function Associations: The Atherosclerosis Risk in Communities (ARIC) Study

Michelle C Johansen, Johns Hopkins, Baltimore, MD; Amil Shah, Brigham and Women's Hosp, Boston, MA; Michael Griswold, Seth Lirette, Thomas H Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Scott Solomon, Brigham and Women's Hosp, Boston, MA; Rebecca Gottesman, Johns Hopkins, Baltimore, MD

#### Poster Board Number P203 / Presentation Number WP203

### Glycemic Control on Admission and During First Year Follow-Up in Stroke Patients

Eman K Kamal, Heba J Mominkhan, Rana A Al Amoudi, Seba A Rammal, Mohammed A Almekhlafi, King Abdulaziz Univ Hosp, Jeddah, Saudi Arabia

### Poster Board Number P204 / Presentation Number WP204 Genetic Variant in VCAM1 Mediates Acute Infarct Size in Ischemic

#### Genetic Variant in VCAM1 Mediates Acute Infarct Size in Isc Stroke Patients

Anne-Katrin Giese, Patricia Musolino, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Huichun Xu, Kathleen Ryan, Univ of Maryland Sch of Med, Baltimore, MD; Markus D Schirmer, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Adrian V Dalca, Computer Science and Artificial Intelligence Lab, MIT, USA, Cambridge, MA; John W Cole, Univ of Maryland Sch of Med and Veterans Affairs Maryland Health Care System, Baltimore, MD; Patrick F McArdle, Univ of Maryland Sch of Med, Baltimore, MD; Joseph P Broderick, Univ of Cincinnati Coll of Med, Cincinnati, OH; Jordi Jimenez-Conde, IMIM-Hosp del Mar (Inst Hosp del Mar d'Investigacions Mèdiques), Univ Autonoma de Barcelona, Barcelona, Spain; Christina Jern, Inst of Biomedicine, the Sahlgrenska Acad at Univ of Gothenburg, Gothenburg, Sweden; Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Robin Lemmens, KU Leuven - Univ of Leuven, Leuven, Belgium; Arne Lindgren, Lund Univ, Skåne Univ Hosp, Lund, Sweden; James F Meschia, Mayo Clinic, Jacksonville, FL; Tatjana Rundek, Ralph L Sacco, Miller Sch of Med, Univ of Miami, Miami, FL; Reinhold Schmidt, Medical Univ Graz, Graz, Austria; Pankaj Sharma, Inst of Cardiovascular Res, Royal Holloway Univ of London (ICR2UL), Egham, United Kingdom; Agnieszka Slowik, Jagiellonian Univ Medical Coll, Krakow, Poland; Vincent Thijs, Melbourne Brain Ctr, Florey Inst of Neuroscience and Mental Health, Heidelberg, Australia; Daniel Woo, Univ of Cincinnati Coll of Med. Cincinnati. OH: Bradford B Worrall. Univ of Virginia. Charlottesville, VA; Polina Golland, Computer Science and Artificial Intelligence Lab, MIT, USA, Cambridge, MA; Steven J Kittner, Univ of Maryland Sch of Med and Veterans Affairs Maryland Health Care System, Baltimore, MD; Jonathan Rosand, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA: Braxton D Mitchell, Univ of Maryland Sch of Med, Veterans Admin Medical Ctr, Baltimore, MD; Ona Wu, Natalia S Rost

#### Poster Board Number P205 / Presentation Number WP205

### Pipeline for Automated White Matter Hyperintensity Segmentation in Patients With Acute Ischemic Stroke: The MRI-GENIE Study

Markus D Schirmer, Massachusetts General Hosp, Boston, MA; Adrian V Dalca, Ramesh Sridharan, Massachusetts Inst of Technology, Cambridge, MA; Anne-Katrin Giese, Massachusetts General Hosp, Boston, MA; Joseph P Broderick, Univ of Cincinnati Coll of Med, Cincinnati, OH; Jordi Jimenez-Conde, Univ Autonoma de Barcelona, Barcelona, Spain; Lukas Holmegaard, Sahlgrenska Acad at Univ of Gothenburg, Gothenburg, Sweden; Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Robin Lemmens, Experimental Neurology and Leuven Res Inst for Neuroscience and Disease, Leuven, Belgium; Arne Lindgren, Lund Univ, Lund, Sweden; James F Meschia, Mayo Clinic, Jacksonville, FL; Tatjana Rundek, Ralph L Sacco, Univ of Miami, Miami, FL; Reinhold Schmidt, Medical Univ Graz, Graz, Austria; Pankaj Sharma, Royal Holloway Univ of London, Egham, United Kingdom; Agnieszka Slowik, Jagiellonian Univ Medical Coll, Krakow, Poland; Vincent Thijs, Florey Inst of Neuroscience and Mental Health, Heidelberg, Australia; Daniel Woo, Univ of Cincinnati Coll of Med, Cincinnati, OH; Bradford B Worrall, Univ of Virginia, Charlottesville, VA; Steven J Kittner, Univ of Maryland Sch of Med and Veterans Affairs Maryland Health Care System, Baltimore, MD; Jonathan Rosand, Ona Wu, Massachusetts General Hosp, Boston, MA; Polina Golland, Massachusetts Inst of Technology, Cambridge, MA; Natalia S Rost, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P206 / Presentation Number WP206

### Risk of Recurrent Stroke in Patients Diagnosed with Comorbid Depression at the Time of Transient Ischemic Attack

Michael P Lerario, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med, and New York-Presbyterian Queens, New York, NY; Babak B Navi, Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Weill Cornell Med, New York, NY; Casara J Ferretti, Albert Einstein Coll of Med, Bronx, NY; Nicole C Allen, Columbia Univ Medical Ctr, New York, NY; Feliks Koyfman, Gary L Bernardini, Weill Cornell Med and New York-Presbyterian Queens, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Weill Cornell Med, New York, NY

#### Poster Board Number P207 / Presentation Number WP207

### Ethnic Disparities in Hypertensive Heart Disease Among Young Adults with Ischemic Stroke in Hawaii

Alap R Jani, Cherisse Ito, Todd Seto, Kazuma Nakagawa, Univ of Hawaii, Queens Medical Ctr. Honolulu. HI

#### Poster Board Number P208 / Presentation Number WP208

### Increased Brachial Ankle Pulse Wave Velocity is Associated with Perivascular Space

Fei-Fei Zhai, Yi-Cong Ye, Si-Yu Chen, Fei Han, Jun Ni, Ming Yao, Li-Xing Zhou, Ming-Li Li, Zheng-yu Jin, Li-Ying Cui, Shu-Yang Zhang, Yi-Cheng Zhu, Peking Union Medical Coll Hosp, Beijing, China

#### Poster Board Number P209 / Presentation Number WP209

### Plasma Brain Natriuretic Peptide Should be a Predictor for 3-Month Mortality in Non-Cardioembolic Stroke

Masafumi Arakawa, Takashi Shimoyama, Satoshi Suda, Yohei Takayama, Takahiro Ouchi, Shizuka Suzuki, Seiji Okubo, Masahiro Mishina, Kazumi Kimura, Dept of Neurological Science, Graduate Sch of Med, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P210 / Presentation Number WP210

#### Community Education Targeting a Middle East Population Improves Recognition of Stroke Signs and Onset to Door Times

Abdeljalil Bentaleb, Lewis B Eberly, Inova Alexandria Hosp, Alexandria, VA

#### Poster Board Number P211 / Presentation Number WP211

### Prognostic Significance of White Blood Cell Count in Acute Ischemic Stroke With Nonvalvular Atrial Fibrillation: The SAMURAI-NVAF Study

Kyohei Fujita, Shoichiro Sato, Sohei Yoshimura, Toshihiro Ide, Takeshi Yoshimoto, Masayuki Shiozawa, Soichiro Matsubara, Shoji Arihiro, Hiroshi Yamagami, Masatoshi Koga, Kazunori Toyoda, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; the SAMURAI Study Investigators

#### Poster Board Number P212 / Presentation Number WP212

#### Association Between Within-visit Blood Pressure Variability and Stroke

Michelle P Lin, Johns Hopkins Univ Sch of Med, Baltimore, MD; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC; Rebecca F Gottesman, Johns Hopkins Univ Sch of Med, Baltimore, MD; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Daniela Markovic, Univ of California Los Angeles, Los Angeles, CA; Amytis Towfighi, Univ of Southern California, Los Angeles, CA

#### Poster Board Number P213 / Presentation Number WP213

### Comparison of Clinical and Imaging Characteristic of Cryptogenic Stroke to Known Ischemic Subtypes

Tyler P Behymer, Univ of Cincinnati, Cincinnati, OH; Achala Vagal, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Heidi Sucharew, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Vineeth Yeluru, Univ of Cincinnati, Cincinnati, OH; Arjun Minhas, Georgetown Univ, Washington, DC; J Mike Hazenfield, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Mahati Reddy, Courtney Frey, Kathleen Alwell, Charles J Moomaw, Matthew Flaherty, Simona Ferioli, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Indianapolis, IN; Felipe De Los Rios La Rosa, Univ of Cincinnati, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Opeolu Adeoye, Dawn O Kleindorfer, Brett M Kissela, Pooja Khatri, Daniel Woo, Univ of Cincinnati. Cincinnati. OH

#### Poster Board Number P214 / Presentation Number WP214

### Innovative Presentation of Stroke Symptoms Improves Stroke Awareness Among African American Women

Claudia Beal, Baylor Univ, Waco, TX

#### Poster Board Number P215 / Presentation Number WP215

### Patients with Acute Ischemic Stroke Admitted to the Hospital Closest to the Epicenter of 2016 Kumamoto Earthquake

Yoichiro Nagao, Japanese Red Cross Kumamoto Hosp, Kumamoto, Japan; Makoto Nakajima, Kumamoto Univ, Kumamoto, Japan; Seigo Shindo, Satoshi Namitome, Kuniyasu Wada, Tadashi Terasaki, Japanese Red Cross Kumamoto Hosp, Kumamoto, Japan; Yukio Ando, Kumamoto Univ, Kumamoto, Japan

#### Poster Board Number P216 / Presentation Number WP216

#### "BEAST" at the University of Virginia: Demographic and Phenotypic Data of Patients Contributing to a Biorepository to Establish the Etiology of Sinovenous Thrombosis

Nicole A Chiota-McCollum, Univ of Virginia, Charlottesville, VA; Matthew Ehrlich, Duke Univ, Durham, NC; Michelle Johansen, Johns Hopkins Univ, Baltimore, MD; Shareena Rahman, Duke Univ, Durham, NC; Sherita Chapman Smith, Virginia Commonwealth Univ, Richmond, VA; Bradford B Worrall, Univ of Virginia, Charlottesville, VA

#### Poster Board Number P217 / Presentation Number WP217

#### **Association Between Atrial Fibrillation and Spinal Cord Infarction**

Saad A Mir, Sammy D Pishanidar, Alexander E Merkler, Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P218 / Presentation Number WP218

#### **Brain Reserve: A Protective Mechanism for Stroke Outcome**

Markus D Schirmer, Mark R Etherton, Massachusetts General Hosp, Boston, MA; Adrian V Dalca, Massachusetts Inst of Technology, Cambridge, MA; Anne-Katrin Giese, Lisa Cloonan, Ona Wu, Massachusetts General Hosp, Boston, MA; Polina Golland, Massachusetts Inst of Technology, Cambridge, MA; Natalia S Rost, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P219 / Presentation Number WP219

# The Relationship of Low-Density Lipoprotein (LDL) Particle Number (LDL-P) and LDL Particle Size and Incident Stroke Events: The Multi-Ethnic Study of Atherosclerosis

Yong-Jae Kim, Ewha Womans Univ, Seoul, Korea, Republic of; Wenjun Fan, UC Irvine, Irvine, CA; Matthew J Budoff, LA BioMed, LA, CA; Samia Mora, Harvard Medical Sch, Boston, MA; Ralph L Sacco, Univ of Miami, Miami, FL; Russell Tracy, Univ of Vermont, Colchester, VT; Joseph Yeboah, Wake Forest Baptist Medical Ctr, Winston Salem, NC; Nathan D Wong, UC Irvine, Irvine, CA

#### Poster Board Number P220 / Presentation Number WP220

#### The Effect of Self-Reported Optimism on the Incidence of Stroke

Ahmed Malik, SUNY Upstate Medical Univ, Syracuse, NY; Haseeb Rahman, Houston Methodist Hosp, Houston, TX; Adnan Qureshi, Zeenat Qureshi Stroke Inst, Minneapolis, MN; Martha A Wojtowycz, SUNY Upstate Medical Univ, Syracuse, NY

#### Poster Board Number P221 / Presentation Number WP221

#### Predictors of Stroke in a Sample of Patients With Infective Endocarditis

Ives A Valenzuela, Bradley Klein, Lauren Dunn, Robert Sorabella, Sang Myung Han, Joshua Willey, Isaac George, Jose Gutierrez, Columbia Univ, New York, NY

#### Poster Board Number P222 / Presentation Number WP222

#### Resistant Hypertension and Burden of Chronic Microvascular Brain Damage in Ischemic Stroke Patients

Maria Cristina Zurru, Claudia Alonzo, Brescacín Laura, Luis Cámera, Santiago Pigretti, Ariel Luzzi, Natalia Balian, Gabriel Waisman, Edgardo Cristiano, Hosp Italiano de Buenos Aires, Buenos Aires, Argentina

#### Poster Board Number P223 / Presentation Number WP223

#### Ischemic Stroke After Emergency Department Discharge for Symptoms of Transient Neurological Attack

Neal S Parikh, Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Benjamin R Kummer, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Biomedical Informatics, Columbia Univ, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P224 / Presentation Number WP224

### Impact of Stroke Risk Factors on Ethnic Stroke Disparities Among Midlife Mexican Americans and Non-hispanic Whites

Rajiv C Patel, Virginia Commonwealth Univ, Richmond, VA; Brisa Sanchez, Lewis Morgenstern, Chengwei Li, Lynda Lisabeth, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number P225 / Presentation Number WP225

### What Do Kids Know? An Assessment of Stroke Awareness in School-aged Children

Mouhammed R Kabbani, Gundersen Health System, La Crosse, WI; Angela L Smith, Andrew J Borgert, Luis D Ramirez, Gundersen Medical Fndn, La Crosse, WI; Andrea J Schossow, Gundersen Health System, La Crosse, WI

#### Poster Board Number P226 / Presentation Number WP226

### Isolated Aphasia in the Emergency Department: Prevalence and Characteristics of Isolated Aphasia Due to Stroke Within a Population

Elisheva R Coleman, Univ of Cincinnati, Cincinnati, OH; Jane C Khoury, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Charles J Moomaw, Kathleen Alwell, Brett M Kissela, Daniel Woo, Matthew L Flaherty, Adeoye Opeolu, Pooja Khatri, Univ of Cincinnati, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Simona Ferioli, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Indianapolis, IN; Felipe De Los Rios La Rosa, Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number P227 / Presentation Number WP227

#### Association Of Anemia With Stroke Recurrence In Acute Ischemic Stroke: An Analysis From The Clinical Research Center For Stroke-5th Division Registry In Korea

Jun-Young Chang, Gyeongsang Natl Univ Changwon Hosp, Changwon, Korea, Republic of; Moon Ku Han, Hee-Jun BAE, Kyu Sun Yum, Sang Kil Lee, Won Joo Jeong, Seoul Natl Univ Bundang Hosp, Seongnam, Korea, Republic of; Tai Hwan Park, Seoul Medical Ctr, Seoul, Korea, Republic of; Soo Joo Lee, Eulji Univ Hosp, Daejeon, Korea, Republic of; Kyung Bok Lee, Soonchunhyang Univ Hosp, Seoul, Korea, Republic of; Jun Lee, Yeungnam Univ Hosp, Daegu, Korea, Republic of; Jong-Moo Park, Eulji Univ Hosp, Seoul, Korea, Republic of; Jay Chol Choi, Jeju Natl Univ Hosp, Jeju, Korea, Republic of; Dong-Eog Kim, Dongguk Univ Ilsan Hosp, Ilsan, Korea, Republic of; Joon-Tae Kim, Chonnam Natl Univ Hosp, Gwangju, Korea, Republic of; Jae-Kwan Cha, Dong-A Univ Hosp, Pusan, Korea, Republic of; Byung-Chul Lee, Hallym Univ Sacred Heart Hosp, Anyang, Korea, Republic of; Juneyoung Lee, Korea Univ Coll of Med, Seoul, Korea, Republic of; Yong-Jin Cho, Keun-Sik Hong, Ilsan Paik Hosp, Ilsan, Korea, Republic of; Wook-Joo Kim, Ulsan Univ Hosp, Ulsan, Korea, Republic of; Dong-Ick Shin, Chungbuk Natl Univ Hosp, Cheongju, Korea, Republic of; Sung-Il Sohn, Keimyung Univ Hosp, Daegu, Korea, Republic of; CRCS-5 investigators

#### Poster Board Number P228 / Presentation Number WP228

### Clinical Characteristics of Hmong Patients Presenting with Acute Ischemic Stroke

Haitham M Hussein, Regions Hosp Comprehensive Stroke Ctr, St Paul, MN; Bhavani Kashyap, Lauren O Erickson, HealthPartners Inst, Bloomington, MN; Carol Droegemueller, Regions Hosp Comprehensive Stroke Ctr, St Paul, MN; Leah Hanson, HealthPartners Inst. Bloomington, MN

#### **Diagnosis of Stroke Etiology Posters I**

WP229 - WP241

#### Poster Board Number P229 / Presentation Number WP229

### Randomised Clinical Trial of Early Prolonged Ambulatory Cardiac monitoring After Stroke (EPACS): Interim Analysis

James T Teo, Kings Coll Hosp, London, London, United Kingdom; Judith Lenane, iRhythm Technologies, San Francisco, CA; Laszlo Sztriha, Fong K Chan, John Aeron-Thomas, Nicholas Gall, Amit Kaura, Bartlomiej Piechowski-Jozwiak, Kings Coll Hosp, London, London, United Kingdom

#### Poster Board Number P230 / Presentation Number WP230

Real-life Detection Rate of Insertable Cardiac Monitors in Patients with ESUS Lars-Peder M Pallesen, Technical Univ Dresden, Dresden, Germany; Julia Mayer, Dresden Heart Ctr, Dresden, Germany; Kristian Barlinn, Jessica Barlinn, Alexandra Prakapenia, Timo Siepmann, Simon Winzer, Technical Univ Dresden, Dresden, Germany; Christopher Piorkowski, Dresden Heart Ctr, Dresden, Germany; Volker

#### Poster Board Number P231 / Presentation Number WP231

Puetz, Technical Univ Dresden, Dresden, Germany

Predictors for Early Atrial Fibrillation Detection Among Cryptogenic Stroke Patients with Insertable Cardiac Monitors: A Single-center Experience Ganesh Asaithambi, Jane E Monita, Sandra K Hanson, Allina Health-John Nasseff Neuroscience Inst, St Paul, MN

#### Poster Board Number P232 / Presentation Number WP232

#### Biomarkers of Atrial Cardiopathy and Atrial Fibrillation Detection on Mobile Continuous Outpatient Telemetry After Cryptogenic Stroke

Denise Sebasigari, The Warren Alpert Medical Sch of Brown Univ, Providence, RI; Alexander Merkler, Cornell Univ, New York, NY; Guo Yang, The Warren Alpert Medical Sch of Brown Univ, Providence, RI; Benjamin Kummer, Columbia Univ Medical Ctr, New York, NY; Gino Gialdini, Cornell Univ, New York, NY; Shawna Cutting, The Warren Alpert Medical Sch of Brown Univ, Providence, RI; Mitchell S Elkind, Columbia Univ Medical Ctr, New York, NY; Hooman Kamel, Cornell Univ, New York, NY; Karen L Furie, Shadi Yaqhi, The Warren Alpert Medical Sch of Brown Univ, Providence, RI

#### Poster Board Number P233 / Presentation Number WP233

### Epicardial Fat Thickness, Free Fatty Acid and Pro-BNP Predict Atrial Fibrillation in Acute Ischemic Stroke

Jin-Hyung Lee, Meyung-Kug Kim, Bong-Goo Yoo, Kosin Univ Coll of Med, Busan, Korea, Republic of

#### Poster Board Number P234 / Presentation Number WP234

Metabolite Profiling Identifies a Specific Profile for Cardioembolic Stroke Sarah Nelson, Zoe Wolcott, Massachusetts General Hosp, Boston, MA; Robert Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; W Taylor Kimberly, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P235 / Presentation Number WP235

### Rates of Diagnostic Testing for Embolic Sources in a Nationally Representative Cohort of Patients With Ischemic Stroke

Ajay Gupta, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Radiology, Weill Cornell Med, New York, NY; Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Shadi Yaghi, Dept of Neurology, Warren Alpert Medical Sch, Brown Univ, Providence, RI; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Radiology, Weill Cornell Med, New York, NY

#### Poster Board Number P236 / Presentation Number WP236

#### Left Atrial Enlargement and Cryptogenic Stroke

Prasanna Tadi, Mayra MontalvoPerero, Pranav M Reddy, Shadi Yaghi, Brown Univ, Providence. RI

#### Poster Board Number P237 / Presentation Number WP237

### Novel Probe Attached to the Cervix Can Evaluate Right-to-left Shunt More Precisely Than Transcranial Doppler

Hidetaka Mitsumura, Ayumi Arai, Teppei Komatsu, Kenichi Sakuta, Kenichiro Sakai, Yuka Terasawa, Jun Kubota, Yasuyuki Iguchi, The Jikei Univ Sch of Med, Tokyo, Japan

#### Poster Board Number P238 / Presentation Number WP238

Utility of the Bubble Test With Cervical Triplex Ultrasound in Diagnosis of Patent Foramen Ovale in Patients With Inadequate Transtemporal Sonic Window Mehmet Akif Topcuoglu, Ethem Murat Arsava, Hacettepe Univ Faculty of Med, Ankara, Turkey

#### Poster Board Number P239 / Presentation Number WP239

### Real Time Prospective Measurement of aPTT Predicts Paradoxical Embolism in Cryptogenic Stroke

Bo Song, Wenjun Deng, Lindsay Fisher, I-ying Chou, Max Oyer, David McMullin, Eng H Lo, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA; Yuming Xu, The First Affiliated Hosp of Zhengzhou Univ, Zhengzhou, China; Ferdinando S Buonanno, Mingming Ning, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA

#### Poster Board Number P240 / Presentation Number WP240

Association Between Mitral and Annular Calcification or Aortic Valve
Calcification and Complex Aortic Atheroma in Ischemic Stroke Patients
Kentaro Ishizuka, Takao Hoshigo, Kuomi Ashibara, Kazuo Kitagawa, Takuo Wome

Kentaro Ishizuka, Takao Hoshino, Kyomi Ashihara, Kazuo Kitagawa, Tokyo Women's Medical Univ, Tokyo, Japan

#### Poster Board Number P241 / Presentation Number WP241

### The Yield of Transthoracic Echocardiogram in Diagnosis and Management of Small Singular Subcortical Infarcts

Stela Celaj, Northwestern Feinberg Sch of Med, Chicago, IL; Carlos Corado, Shyam Prabhakaran, Northwestern Feinberg Sch of Med, Dept of Neurology, Chicago, IL

#### **Emergency Care/Systems Posters I**

WP243 - WP280

#### Poster Board Number P243 / Presentation Number WP243

#### Prehospital Scales Derived From NIHSS Items May Not Accurately Reflect Performance in the Prehospital Setting

Claire Borges, Benjamin Franklin High Sch, New Orleans, LA; Melissa Gazi, Toby Gropen, Univ of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number P244 / Presentation Number WP244

### Review Criteria For Transfer Elderly Patient From Community Hospital To Comprehensive Stroke Center

Pedro Cardona, Helena Quesada, Blanca Lara, Nuria Cayuela, Paloma Mora, Bellvitge Univ Hosp, Barcelona, Spain; Moises Garces, Hosp Verge Cinta Tortosa, Tortosa, Spain; Xavier Ustrell, Hosp Joan XXIII, Tarragona, Spain; Ester Catena, Hosp Alt Penedes, Vilafranca del Penedes, Spain; Elsa Puiggros, Hosp Sant Camil, Sant Pere de Ribes, Spain; Teresa Bernal, Hosp de Igualada, Igualada, Spain; Lucia Aja, Francisco Rubio, Bellvitge Univ Hosp, Barcelona, Spain

#### Poster Board Number P245 / Presentation Number WP245

### Hyperacute Blood Pressure Variability is Associated with Early Neurological Deterioration

Joseph Kim, Univ of Southern California, Los Angeles, CA; Jeffrey L Saver, David S Liebeskind, Sidney Starkman, Geffen Sch of Med at UCLA, Los Angeles, CA; Scott Hamilton, Stanford Univ Medical Sch, Stanford, CA; Pil-Wook Chung, Sungkyunkwan Univ Sch of Med, Seoul, Korea, Republic of; Nerses Sanossian, Keck Sch of Med of the Univ of Southern California, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P246 / Presentation Number WP246

### Probabilistic Linkage of De-identified Prehospital and Hospital Data for Stroke Patients Achieves Similar Match Rates to Manual Linkage

John A Oostema, Spectrum Health and Michigan State Univ Coll of Human Med, Grand Rapids, MI; Todd Chassee, Kent County Emergency Medical Services, Grand Rapids, MI; Mathew J Reeves, Michigan State Univ Coll of Human Med, East Lansing. MI

#### Poster Board Number P247 / Presentation Number WP247

### Facilitating Pre-hospital Communication between Neurology and Witness Reduces IV Alteplase Initiation Times

Cortlyn J Elshire, Lindsay Olson-Mack, Scripps Health, La Jolla, CA; Jean Rockwell, Sara Deskin, Scripps Health, San Diego, CA; Lynn Berger, Scripps Health, Encinitas, CA; Renee Richetts, Scripps Health, San Diego, CA; Mary Kalafut, Christine M Wells, Scripps Health, La Jolla, CA

#### Poster Board Number P248 / Presentation Number WP248

### Pre-treatment Perfusion CT in Stroke Thrombolysis Can Predict Disability-free Life

Hiroyuki Kawano, Andrew Bivard, Longting Lin, The Univ of Newcastle, Newcastle, Australia; Henry Ma, Monash Medical Ctr, Monash Univ, Melbourne, Australia; Xin Cheng, Huashan Hosp, Fudan Univ, Shanghai, China; Richard Aviv, Sunnybrook Health Sciences Ctr, Univ of Toronto, Toronto, ON, Canada; Billy O'Brien, Gosford Hosp, Gosford, Australia; Kenneth Butcher, Univ of Alberta, Edmonton, AB, Canada; Min Lou, the Second Affiliated Hosp of Zhejiang Univ, Hangzhou, China; Jingfen Zhang, Baotou Central Hosp, Baotou, China; Jim Jannes, The Queen Elizabeth Hosp, Adelaide, Australia; Qiang Dong, Huashan Hosp, Fudan Univ, Shanghai, China; Christopher R Levi, Mark W Parsons, The Univ of Newcastle, Newcastle, Australia

#### Poster Board Number P249 / Presentation Number WP249

#### Comparison of Telestroke Metrics Between an Internal Telestroke Model to an External Telestroke Vendor Within the Same System of Care

Jared Noroozi, Univ of Southern California, Los Angeles, CA; Noelani Warren, Elizabeth Diep, Jorge Lipiz, Zahra A Ajani, Robert A Arbuckle, Navdeep S Sangha, Kaiser Permanente, Los Angeles, CA

#### Poster Board Number P250 / Presentation Number WP250

### Transport Times and Door to Needle Times for Stroke Patients Transported by EMS

Lucas Ramirez, Univ of Southern California, Los Angeles, CA; Nichole Bosson, Marianne Gausche-Hill, Los Angeles County EMS Agency & Harbor-UCLA Medical Ctr, Los Angeles, CA; Jeffery L Saver, Sid Starkman, David S Liebeskind, UCLA Stroke Ctr, Los Angeles, CA; Patrick Lyden, Cedars Sinai Medical Ctr, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA

#### Poster Board Number P251 / Presentation Number WP251

### Telestroke 20 in Catalonia: More Patients Treated and Secondary Transfers Reduced

Meritxell Gomis, Elena López-Cancio, Natalia Perez de la Ossa, Hosp Univri Germans Trias i Pujol, Badalona, Spain; Pere Cardona, Hosp Univri de Bellvitge, Hospitalet del Llobregat, Spain; Marc Ribó, Hosp Univri Vall d'Hebrón, Barcelona, Spain; Joaquin Serena, Hosp Univri Josep Trueta de Girona, Girona, Spain; Francisco Purroy, Hosp Univri Arnau de Vilanova de Lleida, Lleida, Spain; Moisés Garcés, Hosp Verge de la Cinta de Tortosa, Tortosa, Spain; Mercè López, Hosp de Figueres, Figueres, Spain; Iñigo Soteras, Hosp de Cerdanya, La Cerdanya, Spain; Josep Maria Aragonés, Consorci Hospari de Vic, Vic, Spain; Dolores Cocho, Hosp General de Granollers, Granollers, Spain; Ernest Palomeras, Hosp de Mataró, Mataró, Spain; David Villagrasa, Hosp d'Igualada, Igualada, Spain; Elsa Puiggrós, Consorci Sanitari del Garraf, Vilanova i la Geltrú, Spain; Ester Catena, Hosp Comarcal de l'Alt Penedés, Vilafranca del Penedés, Spain; Eduard Sanjurjo, Hosp Comarcal del Pallars, Tremp, Spain; Núria López Claverol, Fundació Sant Hosp de la Seu d'Urgell, La Seu, Spain; Dolors Carrión, Hosp Comarcal de Mora d'Ebre, Mora d'Ebre, Spain; Sònia Abilleira, Stroke programme Agency for Health Quality and Assessment of Catalonia, Barcelona, Spain; Antoni Dávalos, Hosp Univri Germans Trias i Pujol, Badalona, Spain

#### Poster Board Number P252 / Presentation Number WP252

### The Effect and Associated Factors of Dispatcher Recognition of Stroke: A Multicenter Observational Cohort Study

Ming-Ju Hsieh, Natl Taiwan Univ Hosp, Taipei, Taiwan; Jen-Tang Sun, Far Eastern Memorial Hosp, New Taipei City, Taiwan; Wen-Chu Chiang, Natl Taiwan Univ Hosp, Taipei, Taiwan; Kuo-Liong Chien, Natl Taiwan Univ, Taipei, Taiwan; Matthew Huei-Ming Ma, Natl Taiwan Univ Hosp, Taipei, Taiwan

#### Poster Board Number P253 / Presentation Number WP253 Impact of a Stroke Coordinator on Improving Time to Treatment at Telestroke Sites

Lidia B Yamada, Manuel C Gurry, Jillian B Harvey, Ellen Debenham, Christine A Holmstedt, Tanya N Turan, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P254 / Presentation Number WP254

#### The Predictive Potential of Prothrombin Time (PT) and D-Dimer for tPArelated Hemorrhage

Wenjun Deng, Bo Song, Sherry H-Y Chou, Lindsay Fisher, Maxwell Oyer, I-Ying Richard Chou, Thomas Wickham, Kathleen F Heizelmann, David McMullin, Elizabeth M Vancott, Eng H Lo, Ferdinando S Buonanno, MingMing Ning, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P255 / Presentation Number WP255

#### **Rapid Coagulation Tests for Acute Ischemic Stroke**

Hyun-Wook Nah, Dae-Hyun Kim, Jae-Kwan Cha, Dong-A Univ Hosp, Busan, Korea, Republic of

#### Poster Board Number P256 / Presentation Number WP256

#### High Rate of Subject Retention into Prehospital Stroke Research with Telephone-based Physician-investigator Driven Enrollment

Bryant J Rosell, Univ of Southern California, Los Angeles, CA; Jeffrey L Saver, UCLA Stroke Ctr, Los Angeles, CA; David S Liebeskind, UCLA Neurovascular Imaging Res Core, Los Angeles, CA; Sidney Starkman, UCLA Stroke Ctr, Los Angeles, CA; May Kim-Tenser, Univ of Southern California, Los Angeles, CA; Latisha K Sharma, UCLA Stroke Ctr, Los Angeles, CA; Robin Conwit, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Scott Hamilton, Stanford Univ, Palo Alto, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P257 / Presentation Number WP257

### Accuracy of Pre-enrollment Last Known Well Time in a Large Prehospital Stroke Clinical Trial

Nerses Sanossian, Emma Balouzian, Lucas Ramirez, Univ of Southern California, Los Angeles, CA; David S Liebeskind, UCLA Neurovascular Imaging Res Core, Los Angeles, CA; Sidney Starkman, UCLA Stroke Ctr, Los Angeles, CA; Marc Eckstein, Univ of Southern California, Los Angeles, CA; Samuel Stratton, Franklin D Pratt, UCLA, Los Angeles, CA; Scott Hamilton, Stanford Univ, Palo Alto, CA; Lucas Restrepo, UCLA, Los Angeles, CA; Miguel Valdes-Sueiras, Olive View-UCLA Medical Ctr, Los Angeles, CA; Robin Conwit, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Jeffrey L Saver, UCLA Stroke Ctr, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P258 / Presentation Number WP258

#### Simulating the Impact of Direct Transport of Patients with Suspected Large Vessel Occlusion to Comprehensive Stroke Centers in a Large Urban Emergency Medical Services System

Christopher T Richards, Northwestern Feinberg Sch of Med, Chicago, IL; Tyler D Hong, Ashley Lim, Emma Myers, Yumeng Nie, Northwestern McCormick Sch of Engineering and Applied Science, Evanston, IL; Rebeca Khorzad, Jane Holl, Northwestern Feinberg Sch of Med, Chicago, IL; Karen Smilowitz, Northwestern McCormick Sch of Engineering and Applied Science, Chicago, IL; Shyam Prabhakaran, Northwestern Feinberg Sch of Med, Chicago, IL

#### Poster Board Number P259 / Presentation Number WP259

### Simulation Based Medical Education in Interprofessional Education: Acute Stroke Management Model

Brett Johnson, Loyola Univ Stritch Sch of Med, Maywood, IL; Leann Horsley, Loyola Univ Chicago Marcella Niehoff Sch of Nursing, Maywood, IL; Trent Reed, Donna Quinones, Viva Siddall, Neelam Balasubramanian, Loyola Univ Stritch Sch of Med, Maywood, IL; Jessica Ray, Loyola Univ Medical Ctr, Maywood, IL; Patricia Friend, Loyola Univ Marcella Niehoff Sch of Nursing, Maywood, IL; Keith Muccino, Sean Ruland, Loyola Univ Stritch Sch of Med, Maywood, IL

#### Poster Board Number P260 / Presentation Number WP260

### Imaging Appropriateness Criteria May Guide Effective Use of CT Angiography in Acute Stroke Workup

Christopher Goiney, Blake Carlson, Annemarie Relyea-Chew, Claire Creutzfeldt, Chun Yuan, Mahmud Mossa-Basha, Univ of Washington, Seattle, WA

#### Poster Board Number P261 / Presentation Number WP261

#### Non-English-preferring Patients Have No Differences in Stroke Symptom Recognition or Emergency Care Time Metrics

Shaw Natsui, Massachusetts General Hosp, Boston, MA; Khawja A Siddiqui, Baylor Sch of Med, Houston, TX; Betty L Erfe, Harvard Medical Sch, Boston, MA; Nicte I Mejia, Lee H Schwamm, Kori Sauser Zachrison, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P263 / Presentation Number WP263

### Feasibility and Utility Of EEG for Estimating Infarct Volume During ER Assessment of Suspected Acute Stroke--A Pilot Study

Steven C Cramer, Arshdeep Kaur, Jennifer C Wu, Jessica M Cassidy, Lauren Shreve, Robert J Zhou, Christopher Vo, Ariana I Medizade, Thuong B Tran, Derek Z Yang, Wengui Yu, Bharath Chakravarthy, Wirachin Hoonpongsimanont, Erik Barton, Ramesh Srinivasan, Univ of California, Irvine, Irvine, CA

### Poster Board Number P264 / Presentation Number WP264 Re Fast – Redefined

Swati Laroia, Charles Romero, Cynthia Deveikis, Tudor Jovin, Ashutosh Jadhav, Jeffrey Esper, James DeMatteis, Univ of Pittsburgh Medical Ctr, Hamot, Erie, PA

#### Poster Board Number P265 / Presentation Number WP265

### Individual and System Contributions to Race and Sex Disparities in Thrombolysis Use for Stroke Patients

Roland Faigle, Victor C Urrutia, Lisa A Cooper, Rebecca F Gottesman, Johns Hopkins Sch of Med, Baltimore, MD

#### Poster Board Number P266 / Presentation Number WP266

EMS/Hospital Combined Education Decreased Primary Stroke Center Bypass Jason P Stopyra, Surry County Emergency Medical Services, Mount Airy, NC; Myron Waddell, Surry County Emergency Services, Mount Airy, NC; Emily B Parks, Hugh Chatham Memorial Hosp, Elkin, NC

#### Poster Board Number P267 / Presentation Number WP267

Clinical Simulation-based Usability Testing of a Mobile Telestroke System
Sherita N Chapman Smith, Prachi Mehndiratta, Jamie Ricks, Jamie Heath, Poanna
Bennam, Virginia Commonwealth Univ, Richmond, VA; Qaiser Toqeer, Novant Health,
Manasses, VA; Kaitlynne Heath, Andres Ruiz, Moshe Feldman, Kevon Hekmatdoost,
Baaba Blankson, Muhammad Bhatti, Jeneane Henry, Basit Rahim, Virginia
Commonwealth Univ, Richmond, VA; Theandra Madu, George Washington Univ,
Washington, DC; Richard Decker, Daniel Fellows, Dempsey Whitt, Richmond
Ambulance Authority, Richmond, VA; Vladimir Lavrentyev, Jason Wong, Pamela
Brown, Felton Warren III, Joseph Ornato, Virginia Commonwealth Univ, Richmond, VA

#### Poster Board Number P268 / Presentation Number WP268

# Evaluation and Validation of Prehospital Acute Stroke Severity Scale to Predict Large Vessel Occlusion in Patients with Proven Large Vessel Occlusion; Single Center Study in US

Muhammad H Niazi, Mohammad El-Ghanem, Alicia Richardson, Kathy Morrison, Reichwein Raymond, David Ermak, Hershey Medical Ctr Penn State Univ, Hershey, PA

#### Poster Board Number P269 / Presentation Number WP269

### Shift Towards Earlier Time to Presentation of Ischemic Strokes at a Regional Tele-Stroke Network After Endovascular Stroke Trials

Aashish Anand, Suman Nalluri, Tanzila Shams, Naregnia Pierre-Louis, Chandril Chugh, Anita Guthmann, Vallabh Janardhan, Texas Stroke Inst, Plano, TX

#### Poster Board Number P270 / Presentation Number WP270

### Using County Stroke Receiving System Data to Identify Areas in Need of Public Health Intervention

Lindsay Olson-Mack, Scripps Health, San Diego, CA; Amelia Kenner-Brininger, Diane Royer, Bruce Haynes, Emergency Medical Services, San Diego, CA; Thomas M Hemmen, Univ of California, San Diego, San Diego, CA

#### Poster Board Number P271 / Presentation Number WP271

### Door to Page Time to Initiate a Telemedicine Consult Varies Among Spoke Hospitals for Acute Stroke

Amanda L Jagolino, Christy M Ankrom, Shima Bozorgui, Arvind B Bambhroliya, Farhaan Vahidy, TC D Cossey, Alyssa D Trevino, Sean I Savitz, Tzu Ching Wu, The Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P272 / Presentation Number WP272

### Impact of Stroke Legislation on Developing Stroke Systems of Care and Improving Acute Therapy

Elizabeth Kim, Stanford Health Care, Stanford, CA; Peggy Jones, Illinois Critical Access Hosp Network, Princeton, IL; Christopher T Richards, Shyam Prabhakaran, Northwestern Feinberg Sch of Med, Chicago, IL; Tracy Love, Freeport Hosp Network, Freeport, IL; Lesley Cranick, Southern IL Healthcare- Retired, Carbondale, IL; Kathleen O'Neill, Renee Sednew, Michelle Scharnott, Mark Peysakhovich, Alex Meixner, Julie Mirostaw, American Heart Association, Midwest Affiliate, Chicago, IL; Mark J Alberts, Univ of Texas Southwestern Medical Ctr, Dallas, TX

#### Poster Board Number P273 / Presentation Number WP273

#### **Evolution of a US County System for Acute Comprehensive Stroke Care**

Radoslav I Raychev, Saddleback Memorial Medical Ctr, Laguna Hills, CA; Dana Stradling, Univ of California, Irvine, Orange, CA; David M Brown, Hoag Memorial Hosp Presbyterian, Newport Beach, CA; Joey R Gee, Mission Hosp, Mission Viejo, CA; David L Lombardi, Western Medical Ctr, Santa Ana, CA; Johnson L Moon, St Jude Medical Ctr, Fullerton, CA; Nirav Patel, Los Alamitos Medical Ctr, Los Alamitos, CA; Mayank Pathak, St Joseph Hosp, Orange, CA; Wengui Yu, Univ of California, Irvine, Orange, CA; Samuel J Stratton, Orange County Emergency Medical Services, Santa Ana, CA; Steven C Cramer, Univ of California, Irvine, Orange, CA

#### Poster Board Number P274 / Presentation Number WP274

### Improving Door to Ct Time by a Seven Item Stroke Screening Questionnaire for Patients Arriving to ER with Acute Stroke without Prior Notification

Roni Eichel, Penina Ponger, Nechama Kaufmann, Natan M Bornstein, Shaare Zedek Medical Ctr, Jerusalem, Israel

#### Poster Board Number P275 / Presentation Number WP275

#### Much Work to Do: Analysis of Potential Performance Measures for Patients Transferred for Acute Endovascular Thrombectomy

Kristina Shkirkova, Sidney Starkman, David Liebeskind, Gary Duckwiler, Satoshi Tateshima, Viktor Szeder, Reza Jahan, Latisha Sharma, Neal Rao, Jason D Hinman, Radoslavc Raychev, Alison Arch, Arun Chhraba, Lindsey Frischmann, Konark Malhotra, Fiona Chatfield, Jeffrey Saver, Univ of California, Los Angeles, CA

#### Poster Board Number P276 / Presentation Number WP276

### Simplification of a Prehospital Short NIHSS Scale Does not Increase Interrater Agreement Between Emergency Medical Services and Stroke Specialists

Jelle Demeestere, Carlos Garcia-Esperon, John Hunter Hosp, Newcastle, Australia; Longting Lin, Hunter Medical Res Inst, Newcastle, Australia; Allan Loudfoot, John Hunter Hosp, Newcastle, Australia; Andrew Bivard, Hunter Medical Res Inst, Newcastle, Australia; Mark Parsons, Christopher Levi, John Hunter Hosp, Newcastle, Australia

#### Poster Board Number P277 / Presentation Number WP277

#### Race Score is Scalable to Other Ems Systems; A Sensitivity Analysis

Sharjeel Panjwani, Univ of Toledo Medical Ctr, Toledo, OH; Julie Shawver, Promedica The Toledo Hosp, Toledo, OH; Syed F Zaidi, Mouhammad A Jumaa, Univ of Toledo Medical Ctr. Toledo, OH

#### Poster Board Number P278 / Presentation Number WP278

### Demographic Disparities in Extended Use of Tissue Plasminogen Activase in Acute Stroke Patients Treated via Telestroke

Shima Bozorgui, Tzu-Ching Wu, Arvind B Bambhroliya, Christy M Ankrom, Tiffany D Cossey, Alyssa D Trevino, Sean I Savitz, Amanda L Jagolino, The Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P279 / Presentation Number WP279

### Concordance of Paramedic and Hospital Documented Last Known Well Times for EMS Transported Acute Ischemic Stroke Patients

Lucas Ramirez, Univ of Southern California, Los Angeles, CA; Nichole Bosson, Marianne Gausche-Hill, Los Angeles County EMS Agency & Harbor-UCLA Medical Ctr, Los Angeles, CA; Jeffery L Saver, Sid Starkman, David S Liebeskind, UCLA Stroke Ctr, Los Angeles, CA; Patrick Lyden, Cedars Sinai Medical Ctr, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA

#### Poster Board Number P280 / Presentation Number WP280

### Barriers to the Early Management of Patients With Transient Ischemic Attack in Low and Middle Income Countries

Fernanda J Teixeira, Bernardo C Portal, Gustavo H Tomasi, Paula C Gasperin, Viviane M Vedana, William A Martins, Rafael A Cristovam, Manuella E Zandoná, Bianca B Federizzi, Luiz C Marrone, Ayrton R Massaro, Jaderson C da Costa, Brain Inst (Bralns) Pontifícia Univ Católica do Rio Grande do Sul, Porto Alegre, Brazil

#### Experimental Mechanisms and Models Posters I WP281 - WP297

#### Poster Board Number P281 / Presentation Number WP281 Incorporating Biological Variability in Experimental Stroke to Better Mimic Human Stroke

Thomas A Kent, Harriett C Rea, William Dalmeida, Roderic H Fabian, Baylor Coll of Med, Houston, TX; Cenk Ayata, Massachusetts General Hosp, Cambridge, MA; Pitchaiah Mandava, Baylor Coll of Med, Houston, TX

#### Poster Board Number P282 / Presentation Number WP282

### Gender-Dependent Differences in the Cerebrovascular System in Wildtype Mice and Cerebrovascular Lesions in a Mouse Model of Moyamoya Disease

Zbigniew Starosolski, Texas Children's Hosp, Houston, TX; Jamie Wright, Dianna Milewicz, Univ of Texas at Houston Medical Sch, Houston, TX; Ananth Annapragada, Texas Children's Hosp, Houston, TX

#### Poster Board Number P283 / Presentation Number WP283

### Sex Differences in Hipoxic-ischemic Encephalopathy Are Modulated by Cx3cl1/Cx3cr1 Signaling

Javiera B Bravo-Alegria, Louise D McCullough, Fudong Liu, UTHealth, Houston, TX

#### Poster Board Number P284 / Presentation Number WP284

#### Pro-inflammatory Response Elicited by Porphyromonas Gingivalis Lipopolysaccharide Exacerbates the Rupture of Experimental Cerebral Aneurysms

Takeshi Miyamoto, Keiko T Kitazato, Yoshiteru Tada, Kenji Shimada, Kenji Yagi, Masaaki Korai, Hidetsugu Maekawa, Tadashi Yamaguchi, Shotaro Yoshioka, Tomoya Kinouchi, Yasuhisa Kanematsu, Junichiro Satomi, Shinji Nagahiro, Inst of Biomedical Sciences, Tokushima, Japan

#### Poster Board Number P285 / Presentation Number WP285

# tPA Variant tPA-A296-299 Prevents Impairment of Cerebral Autoregulation and Hippocampal Neuronal Necrosis After Stroke Through Inhibition of ET-1 Upregulation

William Armstead, Hugh Hekierski, Serge Yarovoi, Abd Al-Roof Higazi, Douglas Cines, Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P286 / Presentation Number WP286

# ONO-8610539, an Injectable Small-Molecule Inhibitor of Blood Coagulation Factor XIa, Improves Cerebral Ischemic Injuries Associated with Photothrombotic Occlusion of Rabbit Middle Cerebral Artery

Shinya Sakimoto, Tetsuya Hagio, Yasuo Yonetomi, Takehiro Ono, Sho Koyama, Ai Hashimoto, Masashi Gohda, Masaru Sakai, Taihei Nishiyama, Kenji Tanaka, Hidekazu Matsuya, Akira Imagawa, Yasushi Hirota, Kazuhito Kawabata, Hiromu Habashita, ONO Pharmaceutical Co, Ltd, Osaka, Japan

#### Poster Board Number P287 / Presentation Number WP287

### Deterioration in Recombinant Tissue Plasminogen Activator After Repeated Freezing and Thawing Cycles for Thromboelastography

Sean Calo, Anja-Kathrin Jaehne, Kelly A Keenan, Jun Xu, Baruch Tawil, Henry Ford Hosp, Detroit, MI; Richard Thompson, Wayne State Univ Sch of Med, Detroit, MI; Robert A Knight, Joseph Miller, Christopher Lewandowski, Nagaraja N Tavarekere, Henry Ford Hosp, Detroit, MI

#### Poster Board Number P288 / Presentation Number WP288

# Inter-Alpha Inhibitor Proteins Reduce the Presence of Neutrophils and Matrix Metalloproteinase-9 Positive Neutrophils in Damaged Brain Regions of Neonates with Hypoxic-Ischemic (HI) Brain Injury

Adriel Barrios-Anderson, Xiaodi Chen, The Warren Alpert Medical Sch of Brown Univ, Providence, RI; Yow-Pin Lim, ProThera Biologics Inc, Providence, RI; Barbara S Stonestreet, The Warren Alpert Medical Sch of Brown Univ, Providence, RI

#### Poster Board Number P289 / Presentation Number WP289

### Interaction Between Stroke and Amyloid- $\beta$ Deposition in Cognitive Function ~Possible Involvement of Antagonist Effect of AT $_2$ Receptor Activation ~

Li-Juan Min, Masaki Mogi, Kana Tsukuda, Akinori Higaki, Masanori Kukida, Toshifumi Yamauchi, Xiao-Li Wang, Hui-Yu Bai, Bao-Shuai Shan, Jun Iwanami, Masatsugu Horiuchi, Ehime Univ Sch of Med, Tohon, Ehime, Japan

#### Poster Board Number P290 / Presentation Number WP290

#### AT2 Receptor Stimulation Reduces Stroke Size in Concert With AT2 Receptor-Interacting Protein

Jun Iwanami, Masaki Mogi, Xiao-Li Wang, Kana Tsukuda, Akinori Higaki, Masanori Kukida, Hirotomo Nakaoka, Toshifumi Yamauchi, Hui-Yu Bai, Bao-Shuai Shan, Li-Juan Min, Masatsugu Horiuchi, Ehime Univ, Graduate Sch of Med, Tohon, Ehime, Japan

#### Poster Board Number P291 / Presentation Number WP291

### Diabetes Impairs Long-term Functional Recovery in an Embolic Stroke Model in Sex Independent Manner

Weiguo Li, Augusta Univ, Augusta, GA; Sherif Hafez, Univ of Georgia, Augusta, GA; John Paul Valenzuela, Rebecca Ward, Guangkuo Dong, Sally El-Shafey, Susan C Fagan, Adviye Ergul, Augusta Univ, Augusta, GA

#### Poster Board Number P292 / Presentation Number WP292

### Insulin Resistance is Associated with a Reduction of Leukocyte Surface CD36 Expression and an Increase of Soluble CD36

Atsushi Kanoke, Yasuo Nishijima, Christine L Hsieh, Jialing Liu, UCSF, San Francisco, CA

#### Poster Board Number P293 / Presentation Number WP293

Necroptosis Cell Death Signaling Amplifies Acute Hyperglycemic Stroke Injury Liye Yi, Jian Zhang, Zeng-Jin Yang, Raymond C Koehler, Johns Hopkins Univ, Baltimore. MD

#### Poster Board Number P294 / Presentation Number WP294

### Deferoxamine Treatment Improves Outcomes After Embolic Stroke in Diabetic Rats

Weiguo Li, John Paul Valenzuela, Guangkuo Dong, Yasir Abdul, Rebecca Ward, Augusta Univ, Augusta, GA; Susan C Fagan, Univ of Georgia, Augusta, GA; Adviye Ergul, Augusta Univ, Augusta, GA

#### Poster Board Number P295 / Presentation Number WP295

Remote Limb Ischemic Conditioning in Murine Focal Cerebral Ischemia Kazuo Kitagawa, Moeko Saitoh, Kentaro Ishizuka, Tokyo Women's Medical Univ, Tokyo, Japan

#### Poster Board Number P296 / Presentation Number WP296

# Short Term Acute Preconditioning Exercise Improves Stroke Outcomes and Reduces Neurovascular Injury via Increased Endothelial Nitric Oxide Synthase Activity

Sherif Hafez, Mohammad B Khan, Jesse D Wagner, David C Hess, Augusta Univ, Augusta. GA

#### Poster Board Number P297 / Presentation Number WP297

### Moderate Alcohol Preconditioning Activates BKCa Channels to Protect Brain Damage-Induced by Cerebral Ischemic/Reperfusion

Yi L Zhao, An C Guo, Yong J Wang, Qun Wang, Beijing Tiantan Hosp, BeiJing, China

### Health Services, Quality Improvement, and Patient-Centered Outcomes Posters I

WP298 - WP331

#### Poster Board Number P298 / Presentation Number WP298

# Achievement of Guideline-concordant Process of Care and 1-year Outcomes in Patients with Acute Ischemic Stroke in Secondary and Tertiary Hospitals: Results From China National Stroke Registry Ii

Zixiao Li, Yilong Wang, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Xudong Ma, Natl Health and Family Planning Commission, Beijing, China; Xingquan Zhao, Liping Liu, Hongqiu Gu, Caiyun Wang, Chunjuan Wang, Yuesong Pan, Xinmiao Zhang, Xin Yang, Yongjun Wang, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number P299 / Presentation Number WP299

### Patients Transferred to Tertiary Care Centers with Fatal Ischemic Strokes Increase Center Specific Mortality Rates

Paul Johnson, Nickolas Freeburg, David Tirschwell, Univ of Washington, Seattle, WA

#### Poster Board Number P300 / Presentation Number WP300

### Early Palliative Care Consultation Decreases Length of Stay in Severe Stroke Patients

Evan R Schloss, Steven Tversky, Jeffrey M Katz, Paul Wright, North Shore Univ Hosp, Manhasset, NY

#### Poster Board Number P301 / Presentation Number WP301

### Onset to Arrival Time in Acute Ischemic Stroke Patients : Neuroscience Institute in Western India Experience

Anand Vaishnav, Radhika Vaishnav, Rakesh Shah, Vadodara Stroke Ctr, Vadodara, India

#### Poster Board Number P302 / Presentation Number WP302

### Transferring Patients with Primary Intracerebral Hemorrhage to Comprehensive Stroke Centers

Farhaan Vahidy, Liang Zhu, Nancy J Edwards, UT-HSC, Houston, TX

#### Poster Board Number P303 / Presentation Number WP303

### Integrating Stroke Center Quality Metrics Into Pre-hospital Triage in Acute Ischemic Stroke

Matthew Ehrlich, Carmelo Graffagnino, Bradley J Kolls, Julian P Yang, Duke Univ Sch of Med. Durham. NC

#### Poster Board Number P304 / Presentation Number WP304

### Leveraging the Power of a System: A Team-based Approach to Improving Door-to-alteplase Administration

Dolores Behrens, Advocate Christ Medical Ctr, Oak Lawn, IL; Lynn Klassman, Royce Peppa, Advocate Lutheran General Hosp, Park Ridge, IL; Mary Kay Jennrich, Advocate Good Samaritian Hosp, Downers Grove, IL; Firas Dabbous, Advocate Health Care, Park Ridge, IL; Advocate Stroke Collaborative

#### Poster Board Number P305 / Presentation Number WP305

### Uniting Hospital Leaders in a Competitive Region to Improve Intravenous Thrombolysis Rates: Analysis of the SETRAC Stroke Registry

Andrea Jaeger, CHI St Luke's Health – The Woodlands Hosp, The Woodlands, TX; Jose I Suarez, Baylor Coll of Med, Houston, TX; Sean I Savitz, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Kate Ramos, American Heart Association, Houston, TX; Darrell Pile, Grace Farquhar, Catherine Bissell, SouthEast Texas Regional Advisory Council, Houston, TX

#### Poster Board Number P306 / Presentation Number WP306

Admission Stroke Severity is a Major Driver of Variation in Acute Stroke Care Cathy Sila, Megan Louttit, Univ Hosp Case Medical Ctr, Cleveland, OH; Chris Ash, Univ Hosp Health System, Cleveland, OH

#### Poster Board Number P307 / Presentation Number WP307

#### Lone Star Stroke Consortium TeleStroke Registry (LESTER)

Arvind B Bambhroliya, Shima Bozorgui, Christy M Ankrom, Alyssa D Trevino, Amanda L Jagolino, Tiffany D Cossey, Bhargav Tippinayani, Farhaan Vahidy, Univ of Texas Health Science Ctr at Houston, Houston, TX; Vivek Misra, Univ of Texas Health Science Ctr at San Antonio, San Antonio, TX; Johanna L Morton, Seton Healthcare Family, Austin, TX; Sean I Savitz, Tzu-Ching Wu, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P308 / Presentation Number WP308

### Impact of Ethnicity on Access to Sleep Apnea Screening and Testing In Stroke Survivors

Cemal B Sozener, Devin L Brown, Univ of Michigan Medical Sch, Ann Arbor, MI; Xiaqing Jiang, Chengwei Li, Erin Case, Univ of Michigan Sch of Public Health, Ann Arbor, MI; Nelda M Garcia, Univ of Michigan Medical Sch, Ann Arbor, MI; Lynda D Lisabeth, Univ of Michigan Sch of Public Health and Medical Sch, Ann Arbor, MI

#### Poster Board Number P309 / Presentation Number WP309

## Effects of Comprehensive Stroke Care Capabilities on Outcome of Carotid Endarterectomy and Carotid Artery Stenting (from the J-ASPECT Study [2013 to 2015])

Ataru Nishimura, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Kunihiro Nishimura, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Akiko Kada, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Satoru Kamitani, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Junichi Ono, Sanmu Medical Ctr, Sanmu, Japan; Yoshiaki Shiokawa, Kyorin Univ, Mitaka, Japan; Toru Aruga, Showa Univ Hosp, Shinagawa, Japan; Kazunori Toyoda, Jyoji Nakagawara, Natl Cerebral and Cardiovascular Ctr. Suita, Japan; Shigeru Miyachi, Osaka Medical Coll, Takatsuki, Japan; Shinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan; Kazuo Okuchi, Nara Medical Univ, Kashihara, Japan; Izumi Nagata, Kokura Memorial Hosp, Kitakyushu, Japan; Shinya Matsuda, Univ of Occupational and Environmental Health, Kitakyushu, Japan; Fumiaki Nakamura, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Daisuke Onozuka, Akihito Hagihara, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Akifumi Suzuki, Res Inst for Brain and Blood Vessels-AKITA, Akita, Japan; Tetsuro Sayama, Koichi Arimura, Ai Kuroqi, Keisuke Ido, Koji Iihara, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan

#### Poster Board Number P310 / Presentation Number WP310

### Inter-Provider Communication Using a Scheduled Provider Alert-Response Communication System (SPARCS) in 3 Inpatient Neurology Units

James E Siegler, Dan Finegan, Scott Kasner, Raymond Price, Hosp of the Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P311 / Presentation Number WP311

#### Early Lessons Learned in the Stroke Bundled Payment Experience

David Ermak, Raymond Reichwein, Kathy Morrison, Alicia Richardson, Travis M Lehman, Penn State Hershey Medical Ctr, Hershey, PA

#### Poster Board Number P312 / Presentation Number WP312

### Identifying Acute Ischemic Stroke by Analyzing Icd-10 Claims Data Using Machine Learning Models

Charles Esenwa, Jorge Luna, Benjamin Kummer, Hojjat Salmasian, David Vawdrey, Columbia Univ Medical Ctr, NYC, NY; Hooman Kamel, Weill Cornell Medical Ctr, NYC, NY; Mitchell Elkind, Columbia Univ Medical Ctr, NYC, NY

#### Poster Board Number P313 / Presentation Number WP313

### Stroke Patient Characteristics Have Minimal Impact on Reliability of Teleswallow Evaluation

Lisa R Yanase, Megan Hyers, Tamela Stuchiner, Lindsay Lucas, Kateri Spinelli, Kathryn Morrell, Providence, Portland, OR

#### Poster Board Number P314 / Presentation Number WP314

# Driving Stroke Care Within a Health System: The Impact of the <i>University Hospitals System Stroke Program Clinical Practice Guideline for the Emergency Management of Acute Stroke</i>

Pavan Murty, Julie Fussner, Colin Beilman, Cathy Sila, Univ Hosp Case Medical Ctr, Cleveland, OH

#### Poster Board Number P315 / Presentation Number WP315

### An Electronic Health Record Phenotype of Ischemic Stroke Using Non-Claims Clinical Data and Machine Learning

Benjamin R Kummer, Dept of Biomedical Informatics, Columbia Univ Medical Ctr and Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med, New York, NY; Jorge M Luna, Value Inst, New York Presbyterian Hosp, New York, NY; Charles C Esenwa, Stroke Div, Dept of Neurology, Columbia Univ Medical Ctr, New York, NY; Hojjat Salmasian, David K Vawdrey, Value Inst, New York Presbyterian Hosp, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Mitchell S Elkind, Neurology Clinical Outcomes Res and Population Sciences Div. Dept of Neurology. Columbia Univ Medical Ctr. New York, NY

#### Poster Board Number P316 / Presentation Number WP316

### Stroke Simulation Improves Resident Confidence in Acute Stroke/TIA Management

Anant Wadhwa, Nakul Katyal, Niranjan N Singh, Univ of Missouri, Columbia, MO

#### Poster Board Number P317 / Presentation Number WP317

### The Impact of Post-acute Discharge Disposition on Outcomes in the SWIFT PRIME Trial

Samir R Belagaje, Diogo C Haussen, Emory Univ, Atlanta, GA; Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA; Mayank Goyal, Univ of Calgary, Calgary, AB, Canada; David S Liebeskind, Univ of California Los Angeles, Los Angeles, CA; Dileep R Yavagal, Univ of Miami/Jackson Memorial Hosp, Miami, FL; Tudor G Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Raul G Nogueira, Emory Univ, Atlanta, GA

#### Poster Board Number P318 / Presentation Number WP318

Mortality Among Newly Certified Stroke Centers and Other Hospitals in the US Shumei Man, Miami Valley Hosp, Wright State Univ, Dayton, OH; Jesse D Schold, Ken Uchino, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P319 / Presentation Number WP319

#### Prevalence and Trends of Insomnia Among Stroke Survivors in United States: National Health and Nutrition Examination Surveys 2005 to 2015

Adnan I Qureshi, Sher Afgan, Muhammad A Saleem, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P320 / Presentation Number WP320

### Uncertainty: A Key Influence in the Decision to Admit Patients With Transient Ischemic Attack

Barbara J Homoya, Teresa M Damush, Richard L Roudebush VA Medical Ctr, Indianapolis, IN; Jason J Sico, VA Connecticut Healthcare System, West Haven, CT; Edward J Miech, Richard L Roudebush VA Medical Ctr, Indianapolis, IN; Gregory W Arling, Purdue Univ, West Lafayette, IN; Jared B Ferguson, Richard L Roudebush VA Medical Ctr, Indianapolis, IN; Michael S Phipps, Baltimore VA Medical Ctr, Baltimore, MD; Eric M Cheng, Greater Los Angeles Healthcare System, Los Angeles, CA; Dawn M Bravata, Richard L Roudebush VA Medical Ctr, Indianapolis, IN

#### Poster Board Number P321 / Presentation Number WP321

#### **Endovascular Stroke Alert Improves Door to Groin Stick Times**

Julie Neff, Sharie Prado, Miami Valley Hosp, Dayton, OH; John B Terry, The Clinical Neuroscience Inst, Dayton, OH

#### Poster Board Number P322 / Presentation Number WP322

### The Use of a Dysphagia-gastrostomy-palliative Care Algorithm Increases Involvement of the Palliative Care Service

Christa San Luis, Sherry Stephens-Gibson, Jian Chen, Manasa Gunturu, Univ of Mississippi Medical Ctr, Jackson, MS

#### Poster Board Number P323 / Presentation Number WP323

# Association between Demographic Characteristics and Hospital Admission in Patients Presenting to the Emergency Department for Transient Neurological Attack

Benjamin R Kummer, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med and Dept of Biomedical Informatics, Columbia Univ Medical Ctr, New York, NY; Neal S Parikh, Alexander E Merkler, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P324 / Presentation Number WP324

#### Hospital Size and Risk of Readmission Among Older Subarachnoid Hemorrhage Patients

Corey R Fehnel, Rhode Island Hosp/Brown Univ Alpert Medical Sch, Providence, RI; Hormuzdiyar Dasenbrock, Brigham and Women's Hosp, Boston, MA; Yoojin Lee, Alexandra Ellis, Brown Univ Sch of Public Health, Providence, RI; Faith Robertson, Harvard Medical Sch, Boston, MA; Vincent Mor, Brown Univ Sch of Public Health, Providence, RI; William Gormley, Brigham and Women's Hosp, Boston, MA

#### Poster Board Number P325 / Presentation Number WP325

### Designing Patient-centered Solutions for Enhanced Home-based Recovery After Mild-moderate Stroke

Chen Lin, Rebeca Khorzad, Carmen Capo-Lugo, Ayesha Rahman, Jonathan F Hoffman, Annette Hong, Chulun He, Kristen A Stuzynski, Estelle Lee, Sarah M Venetianer, Nathan A McCardel, Northwestern Univ, Chicago, IL; Elliott Roth, Rehabilitation Inst of Chicago, Chicago, IL; Shyam Prabhakaran, Northwestern Univ, Chicago, IL

#### Poster Board Number P327 / Presentation Number WP327

#### Nihss Proxy Using Administrative Data From the Us and Uk

Alex Bottle, İmperial Coll, London, United Kingdom; Maria Bogdanovskaya, Telstra Health, London, United Kingdom; Gabriel J Rinkel, UMC Utrecht, Utrecht, Netherlands; Louise Shaw, Royal United Hosp Bath, Bath, United Kingdom; Jin-Moo Lee, Washington Univ, St Louis, MO; Thomas M Hemmen, UCSD Medical Ctr, La Jolla, CA

#### Poster Board Number P328 / Presentation Number WP328

### Mortality and Cause of Death Following Hospitalization for Acute Ischemic Stroke in California

Limin Wang, Merry Holliday-Hanson, Christopher Krawczyk, Office of Statewide Health Planning and Development. Sacramento, CA

#### Poster Board Number P329 / Presentation Number WP329

### 30-day Readmission After Stroke and Transient Ischemic Attack by Age and Sex

Judith H Lichtman, Erica C Leifheit-Limson, Yale Sch of Public Health, New Haven, CT; Yun Wang, Harvard TH Chan Sch of Public Health, Boston, MA; Larry B Goldstein, Univ of Kentucky, Lexington, KY

#### Poster Board Number P330 / Presentation Number WP330

### Protocol Approaches Negate the "Weekend Effect" for Endovascular Stroke Treatment

Scott B Raymond, Feras Akbik, Joshua A Hirsch, Christopher J Stapleton, Ramon G Gonzalez, Massachusetts General Hosp, Boston, MA; Brijesh P Mehta, Memorial Healthcare System, Hollywood, FL; James D Rabinov, Aman B Patel, Massachusetts General Hosp, Boston, MA; Ronil V Chandra, Monash Health, Melbourne, Australia; Thabele Leslie-Mazwi, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P331 / Presentation Number WP331

### Identifying Stroke Subtypes with High Accuracy Using Machine Learning and Icd-9 Claims Data

Charles Esenwa, Jorge Luna, Benjamin Kummer, Hojjat Salmasian, Columbia Univ Medical Ctr, NYC, NY; Hooman Kamel, Weill Cornell Medical Ctr, NYC, NY; David Vawdrey, Mitchell Elkind, Columbia Univ Medical Ctr, NYC, NY

#### **In-hospital Treatment Posters I**

WP332 - WP341

#### Poster Board Number P332 / Presentation Number WP332

### Early Stroke Detection in Postoperative Patients: A Simple Educational Intervention and Feasibility Study

Charoenratt Chaicharoentanaporn, Worawong Slisatkorn, Saowalak Hunnangkul, Usa Pipatsatukit, Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Gustavo Saposnik, Univ of Toronto, Toronto, ON, Canada; Yongchai Nilanont, Siriraj Hosp, Mahidol Univ, Bangkok, Thailand

#### Poster Board Number P333 / Presentation Number WP333

#### **Utilizing Data to Drive Stroke Program Management**

Ruchir Shah, Peter Catalano, Erlanger Health System, Chattanooga, TN; Susan Heck, Corazon, Inc, Pittsburgh, PA; Thomas Devlin, Traci Jennings, Jennifer Butler, Erlanger Health System, Chattanooga, TN

#### Poster Board Number P334 / Presentation Number WP334

### Standardized Language Reduces Symptom Discovery to CT Times: "Code Stroke – Inpatient"

Kailey L Cox, Elizabeth Baraban, Providence Brain and Spine Inst, Portland, OR

#### Poster Board Number P335 / Presentation Number WP335

### Intracranial Mycotic Aneurysms in Infective Endocarditis: Incidence, Predictors and Outcome

Mehmet A Topcuoglu, Hacetteppe Univ, Ankara, Turkey; Oguzhan Kursun, Ankara Numune Education and Res Hosp, Ankara, Turkey; Ferdinando S Buonanno, Aneesh B Singhal, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P336 / Presentation Number WP336

### Impact of Anti-Hypertensive Interventions for Treatment of Acute Ischemic Stroke in Patients Receiving Tissue Plasminogen Activator

Jeffrey Leya, William Beaumont Army Medical Ctr, El Paso, TX; Elisabeth Donahey, Megan Rech, Loyola Univ Medical Ctr, Maywood, IL

#### Poster Board Number P337 / Presentation Number WP337

### Septic Shock is Associated with Poor Clinical Outcomes in Patients with Ischemic Stroke

Gisele S Silva, Albert Einstein Hosp and Federal Univ of São Paulo, Sao Paulo, Brazil; Renata Miranda, Rodrigo Massaud, Andreia Vaccari, Miguel Cendoroglo Neto, Albert Einstein Hosp, Sao Paulo, Brazil

#### Poster Board Number P338 / Presentation Number WP338

### A Prospective Study of Post-thrombolysis related coagulopathy in Acute Ischemic Stroke Patients

Nicholas Osteraas, Shawna Cutting, Laurel Cherian, James Conners, Sarah Song, Bichun Ouyang, Rajeev Garg, Sayona John, Thomas Bleck, Rush Univ Medical Ctr, Chicago, IL; Vivien Lee, The Ohio State Univ Wexner Medical Ctr, Chicago, IL

#### Poster Board Number P339 / Presentation Number WP339

### Herniation Despite Decompressive Hemicraniectomy in Large Hemispherical Ischemic Stroke Patients

Archana Hinduja, Yousef Hannawi, Ohio State Univ, Columbus, OH; Dongxia Feng, Rohan Samant, UAMS, Little Rock, AR

#### Poster Board Number P340 / Presentation Number WP340

Loading Doses of Clopidogrel Across the US: Temporal and Regional Trends

Yunpeng Yang, Univ of Cincinnati Coll of Med, Cincinnati, OH; Jane Khoury, Cincinnati Children's Medical Ctr, Cincinnati, OH; Dawn Kleindorfer, Univ of Cincinnati Coll of Med. Cincinnati. OH

#### Poster Board Number P341 / Presentation Number WP341

### Outcomes After Percutaneous Endoscopic Gastrostomy in Stroke Patients With Dysphagia

Andreea Xavier, Univ of Texas Health Science Ctr at Houston, Houston, TX; Kim Yen thi Vu, Lauren Jade Alexander Woellner, Courtney Elkins, Aubrey De Jesus, Rya Clark, Anna Nodecker, Hope Moser, Memorial Hermann Hosp, Houston, TX; Jeremy Ragland, Alex HuiMahn Choi, Univ of Texas Health Science Ctr at Houston, Houston, TX; Nicole Harrison, Memorial Hermann Hosp, Houston, TX; Robert Brown, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Intracerebral Hemorrhage Posters I

WP343 - WP372

#### Poster Board Number P343 / Presentation Number WP343

### A Causative Analysis of the Role of Hyperglycemia in the Outcome of Spontaneous Intracerebral Haemorrhage

Vasileios-Arsenios Lioutas, Mohamed M Salem, Beth Israel Deaconess Medical Ctr, Boston, MA; Joseph J Locascio, Massachusetts General Hosp, Boston, MA; Magdy Selim, Beth Israel Deaconess Medical Ctr, Boston, MA

#### Poster Board Number P344 / Presentation Number WP344

### Lower Hemoglobin A1c is Associated With Higher In-Hospital Mortality in Intracerebral Hemorrhage

Sudeepta Dandapat, Univ of Oklahoma, Oklahoma City, OK; Fazeel M Siddiqui, Southern Illinois Univ, Springfield, IL; Gregg C Fonarow, Univ of California Los Angeles, Los Angeles, CA; Deepak L Bhatt, Brigham and Women's Hosp Heart & Vascular Ctr, Harvard Medical Sch, Boston, MA; Haolin Xu, Roland Matsouaka, Duke Univ, Durham, NC; Paul Heidenreich, VA Palo Alto Health Care System, Palo Alto, CA; Ying Xian, Duke Univ, Durham, NC; Lee H Schwamm, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA; Eric E Smith, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number P345 / Presentation Number WP345

#### Pretreatment with Sulfonylurea Drugs is Associated with Smaller Baseline Hematoma Volumes and Better Functional Outcomes in Diabetic Patients with Acute Intracerebral Hemorrhage

Jason J Chang, Yasser Khorchid, Ali Kerro, Lucia Goodwin Burgess, Nitin Goyal, Anne W Alexandrov, Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN; Georgios Tsivgoulis, Second Dept of Neurology, "Attikon" Hosp, Sch of Med, Athens, Greece

#### Poster Board Number P346 / Presentation Number WP346

### Persistent Hyperglycemia is Independently Associated With Increased Mortality After Intracerebral Hemorrhage

Teddy Wu, Univ of Melbourne, Melbourne, Australia; Jukka Putaala, Helsinki Univ Hosp, Helsinki, Finland; Gagan Sharma, Royal Melbourne Hosp, Melbourne, Australia; Daniel Strbian, Helsinki Univ Hosp, Helsinki, Finland; Turgut Tatlisumak, Sahlgrenska Univ Hosp,, Gothenburg, Sweden; Stephen Davis, Atte Meretoja, Univ of Melbourne, Melbourne, Australia

#### Poster Board Number P347 / Presentation Number WP347

### Early Achievement of Blood Pressure Lowering on Hematoma Growth in Hyperacute Intracerebral Hemorrhage: the SAMURAI-ICH Study

Yoshitaka Yamaguchi, Masatoshi Koga, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Kenichi Todo, Kobe City Medical Ctr General Hosp, Kobe, Japan; Shoichiro Sato, Hiroshi Yamagami, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Kenji Kamiyama, Nakamura Memorial Hosp, Sapporo, Japan; Satoshi Okuda, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Kazumi Kimura, Kawasaki Medical Sch, Kurashiki, Japan; Yoshiaki Shiokawa, Kyorin Univ Sch of Med, Mitaka, Japan; Eisuke Furui, Kohnan Hosp, Sendai, Japan; Yasuhiro Hasegawa, St Marianna Univ Sch of Med, Kawasaki, Japan; Kazuomi Kario, Jichi Medical Univ Sch of Med, Shimotsuke, Japan; Sohei Yoshimura, Toshihiro Ide, Takeshi Yoshimoto, Kazuyuki Nagatsuka, Kazunori Toyoda, Natl Cerebral and Cardiovascular Ctr, Suita, Japan

#### Poster Board Number P348 / Presentation Number WP348

# Blood Pressure Lowering in Patients With Intracerebral Haemorrhage: Data from the Ongoing Tranexamic Acid for Hyperacute Primary Intracerebral Haemorrhage (TICH-2) Trial

Nikola Sprigg, Katie Robson, Zhe Kang Law, Jason Appleton, Philip Bath, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number P349 / Presentation Number WP349

### Updated Meta-Analysis of Randomized Controlled Trials Investigating Blood-Pressure Lowering for Acute Intracerebral Hemorrhage

Gregoire Boulouis, Andrea Morotti, Joshua N Goldstein, Andreas Charidimou, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P350 / Presentation Number WP350

### Targeting Lower Blood Pressure in Acute ICH Increases Silent and Symptomatic Infarcts

Andrew Blake Buletko, Tapan Thacker, Natalie Organek, Jason Mathew, Muhammad Hussain, Jennifer Frontera, Ken Uchino, Cleveland Clinic Fndn, Cleveland, OH

#### Poster Board Number P351 / Presentation Number WP351

### No Effect of Mannitol on the Course of Perihemorrhagic Edema After Intracerebral Hemorrhage

Bastian Volbers, Sabrina Herrmann, Wolfgang Willfarth, Hagen B Huttner, Stefan Lang, Antje Giede-Jeppe, Michael Knott, Joji B Kuramatsu, Univ of Erlangen-Nuremberg, Erlangen, Germany; Dimitre Staykov, Hosp of the Brothers of St John, Eisenstadt, Austria

#### Poster Board Number P352 / Presentation Number WP352

### Clinical Outcomes of Patients Undergoing BrainPath-assisted Evacuation of Intracerebral Hematomas

Min Lang, Alex M Witek, Nina Z Moore, Mark D Bain, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P353 / Presentation Number WP353

#### Bleeding Following Removal of Intracerebral Catheters in MISTIE III

W Andrew Mould, Johns Hopkins Univ, Baltimore, MD; John Muschelli, Johns Hopkins Sch of Public Health, Baltimore, MD; Nichol McBee, Karen Lane, Johns Hopkins Univ, Baltimore, MD; Mario Zuccarello, Univ of Cincinnati, Cincinnati, OH; Issam Awad, Univ of Chicago, Chicago, IL; Daniel Hanley, Johns Hopkins Univ, Baltimore, MD

#### Poster Board Number P354 / Presentation Number WP354

#### Ten-year Temporal Trends in Medical Complications Following Acute Intracerebral Hemorrhage in the United States

Fadar O Otite, Priyank Khandelwal, Amer M Malik, Seemant Chaturvedi, Ralph L Sacco, Jose G Romano, Univ of Miami/Jackson Memorial Hosp, Miami, FL

#### Poster Board Number P355 / Presentation Number WP355

### Predictors and Outcome of Intubation for Patients with Primary Intracerebral Hemorrhage

Ayaz Khawaja, Massachusetts General Hosp, Boston, MA; Anand Venkatraman, Univ of Alabama at Birmingham Hosp, Birmingham, AL; Maira Mirza, Detroit Medical Ctr/Sinai-Grace Hosp, Detroit, MI

#### Poster Board Number P357 / Presentation Number WP357

### Prevalence of Pre- and Post-intracerebral Hemorrhage Sleep-disordered Breathing

Richard V Scheer, Univ of Michigan — Stroke Program, Ann Arbor, MI; Lynda D Lisabeth, Univ of Michigan — Stroke Program and Sch of Public Health, Ann Arbor, MI; Chengwei Li, Erin Case, Univ of Michigan — Sch of Public Health, Ann Arbor, MI; Ronald D Chervin, Univ of Michigan — Sleep Disorders Ctr, Ann Arbor, MI; Lewis B Morgenstern, Univ of Michigan — Stroke Program and Sch of Public Health, Ann Arbor, MI; Nelda M Garcia, Univ of Michigan — Stroke Program, Ann Arbor, MI; Susan Tower, CHRISTUS Spohn Hosp Alice, Alice, TX; Devin L Brown, Univ of Michigan — Stroke Program, Ann Arbor, MI

#### Poster Board Number P358 / Presentation Number WP358

#### A Population-Based Study of Intracerebral Hemorrhage Outcomes: The BASIC Project

Julius Griauzde, Lynda D Lisabeth, Chengwei Li, Univ of Michigan Health System, Ann Arbor, MI; Brisa N Sanchez, Univ of Michigan, Ann Arbor, MI; Erin Case, Nelda Garcia, Lewis B Morgenstern, Darin B Zahuranec, Univ of Michigan Health System, Ann Arbor, MI

#### Poster Board Number P359 / Presentation Number WP359

### Higher Risk of Intracerebral Hemorrhage Recurrence Among African American and Latino/Hispanic Individuals

Axana Rodriguez-Torres, Christina Kourkoulis, Kristin Schwab, Alison M Ayres, M Edip Gurol, Steven M Greenberg, Anand Viswanathan, Christopher D Anderson, Jonathan Rosand, Alessandro Biffi, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P360 / Presentation Number WP360

### Race and Ethnicity Are Associated with Intracerebral Hemorrhage Recurrence Risk

Alessandro Biffi, Massachusetts General Hosp, Boston, MA; Jennifer Osborne, Charles Moomaw, Univ of Cincinnati, Cincinnati, OH; Carl D Langefeld, Wake Forest Univ, Winston-Salem, NC; Daniel Woo, Univ of Cincinnati, Cincinnati, OH; Jonathan Rosand, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P361 / Presentation Number WP361

#### Sex Differences in Intracerebral Hemorrhage Severity and Mortality

Sandro Marini, Andrea Morotti, Alison M Ayres, Katherine Crawford, Nicolette H Friedman, Christina E Kourkoulis, Umme K Lena, Edip M Gurol, Anand Viswanathan, Steven M Greenberg, Alessandro Biffi, Christopher D Anderson, Jonathan Rosand, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P362 / Presentation Number WP362

### Trends and Outcomes of Intracranial Hemorrhage in HIV Positive Population (2002-2012)

Achint Patel, Kaustubh Limaye, Univ of Arkansas for Medical Sciences, Little Rock, AR; Harshil Shah, Icahn Sch of Med at Mount Sinai, New York, NY, NY; Mihir Dave, Detroit Medical Ctr/Heart and Vascular Inst, Detroit, MI; Kinsuk Chauhan, Icahn Sch of Med at Mount Sinai, New York, NY, AR; Girish Nadkarni, Icahn Sch of Med at Mount Sinai, New York, NY, NY; Vishal Jani, Creighton Univ, Omaha, NE; Urvish Patel, Icahn Sch of Med at Mount Sinai, New York, NY, NY; Abhishek Lunagariya, Univ of Florida, Gainesville, FL; Sanjeeva Onteddu, Univ of Arkansas for Medical Sciences, Little Rock, AR

#### Poster Board Number P363 / Presentation Number WP363

### Outcomes for Intracerebral Hemorrhage Patients with Renal Failure as Comorbidity in the United States

Mohammad Rauf Afzal, Mohtashim Arbaab Qureshi, Ihtesham Aatif Qureshi, Paisith Piriyawat, Alberto Maud, Salvador Cruz-Flores, Gustavo J Rodriguez, Texas Tech Univ, El Paso, TX

#### Poster Board Number P364 / Presentation Number WP364

#### Impaired Renal Function and Outcome After Intracerebral Haemorrhage: Data From the Ongoing Tranexamic Acid for Hyperacute Primary Intracerebral Haemorrhage (TICH-2) Trial

Nikola Sprigg, Katie Robson, Zhe Kang Law, Jason Appleton, Philip Bath, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number P365 / Presentation Number WP365

### Radiographic Predictors of Prognosis in Intracerebral Hemorrhage: "If It Ain't Broke, Don't Fix It"

Amanda R Pennington, Univ of Alabama at Birmingham, Birmingham, AL; Amelia K Boehme, Coll of Physicians and Surgeons, New York, NY; Karen C Albright, Mini Singh, Michael J Lyerly, Toby I Gropen, Angela Hays Shapshak, Univ of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number P366 / Presentation Number WP366

Quantitative Diffusion Tensor Tractography of the Corticospinal Tract as a Predictive Outcome Parameter in Patients With Intracerebral Hemorrhage Bastian Volbers, Angelika Mennecke, Nicola Kästle, Hagen B Huttner, Stefan Schwab, Manuel Schmidt, Tobias Engelhorn, Arnd Doerfler, Univ of Erlangen-Nuremberg, Erlangen. Germany

#### Poster Board Number P367 / Presentation Number WP367

### Volume of Intracerebral Hemorrhage Varies According to the Kind of Anticoagulant: Direct Oral Anticoagulants vs Warfarin

Yuji Shiga, Shinichi Takeshima, Eiichi Nomura, Michiyoshi Sato, Brain Attack Ctr Ota Memorial Hosp, Fukuyama, Hiroshima, Japan; Masakazu Nishigaki, Graduate Sch of Medical and Faculty of Med Kyoto Univ, Kyoto, Kyoto, Japan; Masaru Kuriyama, Brain Attack Ctr Ota Memorial Hosp, Fukuyama, Hiroshima, Japan

#### Poster Board Number P368 / Presentation Number WP368

### The Association of Prior Use of Antiplatelet Agents and Increased Mortality and Morbidity in Intracerebral Hemorrhage Patients

Nadeem Khan, Fazeel Siddiqui, SIU Sch Of Med, Springfield, IL; Joshua Goldstein, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA; Ying Xian, Margueritte Cox, Roland Matsouaka, Duke Clinical Res Inst, Durham, NC; Paul Heidenreich, Stanford Univ Sch of Med, San Francisco, CA; Eric Peterson, Duke Clinical Res Inst, Durham, NC; Deepak L Bhatt, Brigham and Women's Hosp Heart & Vascular Ctr, Boston, MA; Gregg Fonarow, Ronald-Reagan UCLA Medical Ctr, Los Angeles, CA; Lee Schwamm, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA; Eric E Smith, Cumming Sch of Med, University of Calgary, AB

#### Poster Board Number P369 / Presentation Number WP369

Case-Fatality of Cortical Superficial Siderosis in Intracerebral Hemorrhage Jason Mackey, Kelsey Gagesch, Ashley D Blatsioris, Elizabeth A Moser, Chandan Saha, Indiana Univ Sch of Med, Indianapolis, IN; Ravan J Carter, Regenstrief Inst, Indianapolis, IN; Linda S Williams, Indiana Univ Sch of Med, Indianapolis, IN

#### Poster Board Number P370 / Presentation Number WP370

#### Cerebral Microbleeds Play an Important Role in Turning Recurrent Stroke Towards Intracranial Hemorrhage in Patients With First-ever Ischemic Stroke/ Transient Ischemic Attack

Eiichi Nomura, Yuji Shiga, Shinichi Takeshima, Makoto Takemaru, Jun Takeshita, Brain Attack Ctr Ota Memorial Hosp, Fukuyama, Hiroshima, Japan; Masakazu Nishigaki, Graduate Sch of Med and Faculty of Med Kyoto Univ, Kyoto, Kyoto, Japan; Masaru Kuriyama, Brain Attack Ctr Ota Memorial Hosp, Fukuyama, Hiroshima, Japan

#### Poster Board Number P371 / Presentation Number WP371

# Cortical Superficial Siderosis and Mortality in Cerebral Amyloid Angiopathy Duangnapa Roongpiboonsopit, Naresuan Univ, Phitsanulok, Thailand; Andreas Charidimou, Gregoire Boulouis, Li Xiong, Arne Lauer, Alison Ayres, Anastasia Vashkevich, M Edip Gurol, Jonathan Rosand, Steven M Greenberg, Anand Viswanathan, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P372 / Presentation Number WP372

#### The Acute ICH Growth Score: Simple and Accurate Predictor of Hematoma Expansion in Patients with Acute Intracerebral Hemorrhage

F S Al-Ajlan, Univ of Ottawa, Ottawa, ON, Canada; A M Demchuk, Univ of Calgary, Calgary, AB, Canada; R I Aviv, Univ of Toronto, Toronto, ON, Canada; D Rodriguez-Luna, Dept of Neurology, Vall d'Hebron Univ Hosp and Vall d'Hebron Res Inst, Barcelona, Spain, barcelona, Spain; C Molina, Dept of Neurology, Vall d'Hebron Univ Hosp, Vall d'Hebron Res Inst. Departament de Medicina, Univ Autonoma de Barcelona, Barcelona, Spain, barcelona, Spain; Y Silva, Dept of Neurology, Dr Josep Trueta Univ Hosp, Inst d'Investigació Biomèdica Girona, Girona, Spain; I Dzialowski, Dept of Neurology, Elblandklinikum Meissen Academic Teaching Hosp of the Technische Univ. Dresden, Germany, Dresden, Germany: A Czlonkowska A, 2nd Dept of Neurology, Inst of Psychiatry and Neurology, Warsaw, Poland Dept of Experimental and Clinical Pharmacology, Medical Univ of Warsaw, Warsaw, Poland, Warsaw, Poland; J M Boulanger, Dept of Med, Charles LeMoyne Hosp, Univ of Sherbrooke, Montreal, Canada, Montreal, QC, Canada; C Lum, Dept of Diagnostic Imaging, Neuroradiology Section, Univ of Ottawa, Ottawa Hosp Res Inst, Ottawa, Canada, Ottawa, ON, Canada; G Gubitz, Dept of Neurology, Dalhousie Univ, Halifax, Canada, Halifax, AB, Canada; V Padma, Dept of Neurology, All India Inst of Medical Sciences, New Delhi, India; J Roy, AMRI Neurosciences Ctr, Mukundapurz, ,, Kolkata, AB, Canada; C S Kase, Dept of Neurology, Boston Medical Ctr, Boston, USA, Boston, MA; M D Hill, Dept of Clinical Neurosciences, Hotchkiss Brain Inst,, Calgary, AB, Canada; D Dowlatshahi, Dept of Med (Neurology), Univ of Ottawa and Ottawa Hosp Res Inst, Ottawa, Canada, Ottawa, ON, Canada

#### **Nursing Posters I**

WP373 - WP413

#### Poster Board Number P373 / Presentation Number WP373

#### Emergency Medical Service Stroke Education in a Rural Community: Need for Improvement

Pauline M Rankin, Dianne Marsh, James McLaughlin, UPMC Northwest, Seneca, PA

#### Poster Board Number P374 / Presentation Number WP374

### Implementation of the Stroke Transition Discharge Center Improves 30-day Readmission Rate

Susan Quimby, Javicia Peterson-Cole, Saint Barnabas Medical Ctr, Livingston, NJ

#### Poster Board Number P375 / Presentation Number WP375

#### Fall Risk in Acute Ischemic Stroke

Robynn S Cox, Cheryl Bradas, Victoria Bowden, Beth Buckholz, Kathleen Kerber, Molly McNett, The MetroHealth System, Cleveland, OH

#### Poster Board Number P376 / Presentation Number WP376

#### Stress-Mediated Hyperglycemia or Undiagnosed Diabetes?

Mary A Grove, Univ of Tennessee Health Science Ctr, Memphis, TN; Sharon Biby, Moses Cone Medical Ctr, Greensboro, NC; Wendy Dusenbury, UTHSC Mobile Stroke Unit and Wichita State Univ, Memphis, TN; Abbigayle Doerr, Anne Lindstrom, Cadence Northwestern, Winfield, IL; Samuel B Grove, Univ of Tennessee Health Science Ctr, Memphis, TN; Sandy Middleton, Australian Catholic Univ, Sydney, Australia; Anne W Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN

#### Poster Board Number P377 / Presentation Number WP377

#### Stroke Awareness in the Age of Social Media

Beth Hundt, Kearby Chen, Univ of Virginia Health System, Charlottesville, VA

#### Poster Board Number P378 / Presentation Number WP378

#### Use of Code Head Bleed to Promote Hemorrhagic Stroke Awareness in the Emergency Department

Candace J McAlpine, Rocio Garcia, Pablo Rojas, Univ Health System, San Antonio, TX

#### Poster Board Number P379 / Presentation Number WP379

### What Informal Caregivers Want in a Mobile Application: Evidence-based Interventions

Shirley Girouard, SUNY Downstate Medical Ctr Coll of Nursing, Brooklyn, NY; Jonathan Singer, SUNY Downstate Medical Ctr & Stroke Ctr, Brooklyn, NY; dimitre Stefanov, SUNY Downstate Medical Ctr, Brooklyn, NY; Nadege Gilles, SUNY Downstate Medical Ctr & Stroke Ctr, Brooklyn, NY; Saroj Kunnakkat, Sarah Weingast, SUNY Downstate Medical Ctr, Brooklyn, NY; Mohammad Faysel, SUNY Downstate Medical Ctr Medical Informatics Program, Brooklyn, NY; Amy Jensen, Natl Stroke Association, Centennial, CO; Marilyn Fraser-White, Brooklyn Health Disparities Ctr, Brooklyn, NY; Dee Burton, Ctr for Health, Media and Public Policy at Hunter Coll, New York, NY; Steven Levine, SUNY Downstate Medical Ctr & Stroke Ctr, Brooklyn, NY

#### Poster Board Number P380 / Presentation Number WP380

#### Simulation Based Acute Stroke Responders Training Improves Door-to-Thrombolytic Time

Karen Tse-Chang, Ann Mendoza, Jeff MacKenzie, Katrina Woolfolk, Kimberly Jones, Deborah Keasler, Pomona Valley Hosp Medical Ctr, Pomona, CA

#### Poster Board Number P381 / Presentation Number WP381

### The Culture Influence on Coping and Adaptation to Stroke Caregiving: the Chinese Family Caregivers' Experience

Xichenhui Qiu, The Chinese Univ of Hong Kong, Hong Kong, China; Janet W SIT, The Chinese Univ of Hong Kong, Hong Kong, Hong Kong; Haixia Feng, Dept of Neurology, ZhongDa Hosp, Sch of Medical, Southeast Univ., Nanjing, China

#### Poster Board Number P382 / Presentation Number WP382

#### Primary Stroke Centers - What Should We Measure?

Jackie T Thompson, Julia Aucoin, UNC Rex Healthcare, Raleigh, NC; Anna Johnson, UNC Chapel Hill, Dept of Epidemiology, Chapel Hill, NC; Rachel Richesson, Duke Univ Sch of Nursing, Durham, NC; David Huang, UNC Chapel Hill Sch of Med, Chapel Hill, NC: Nancy Short, Duke Univ Sch of Nursing, Durham, NC

#### Poster Board Number P384 / Presentation Number WP384

#### The Impact of a Clinical Pharmacist on Door to Needle Time

Jennifer M Brackman, Brianna Coss, Scott Perry, Rebecca Prewett, Aultman Hosp, Canton, OH

#### Poster Board Number P385 / Presentation Number WP385

#### **Gender Differences in Nutritional Status After a Stroke**

Estela Sanjuan Menendez, Hosp Vall Hebron, Barcelona, Spain; Fidel Lopez Espuela, Juan Carlos Portilla, Hosp San Pedro de Alcantara, Caceres, Spain; Katherine E Santana, Hosp Vall Hebron, Barcelona, Spain; Marta Holguin Mohedas, Ignacio Casado Naranjo, Noelia Hidalgo Jimenez, Hosp San Pedro de Alcantara, Caceres, Spain

#### Poster Board Number P386 / Presentation Number WP386

### Acute Catecholamine Surge in Patients with Aneurysmal Subarachnoid Hemorrhage: Characteristics and Prognostic Value

Koichi Uramaru, Yuichiro Kikkawa, Hiroki Sato, Taro Yanagawa, Kaima Suzuki, Masahiro Okuma, Hiroyuki Nakajima, Ririko Takeda, Hiroki Kurita, Intl Medical Ctr, Saitama Medical Univ, Hidaka-city, Japan

#### Poster Board Number P387 / Presentation Number WP387

### Predictors of Loneliness in African American Women with Cardiovascular Disease

Karen L Saban, Loyola Univ of Chicago, Maywood, IL; Fred B Bryant, Loyola Univ of Chicago, Chicago, IL; Holli DeVon, Univ of Illinois at Chicago, Chicago, IL; Linda Janusek, Loyola Univ of Chicago, Maywood, IL

#### Poster Board Number P388 / Presentation Number WP388

### Difference in Stroke Coordinator Job Function According to Educational Background and Program Certification Level

Sarah L Livesay, Rush Univ, Chicago, IL; Christy Casper, St Anthony Hosp, Denver, CO; Alex Graves, St Anthonys Hosp, Denver, CO; Dana Stradling, Univ of California Irvine, Irvine, CA; Susan Wilson, Univ of North Carolina, Chapel Hill, NC

#### Poster Board Number P389 / Presentation Number WP389

### Improving Systems of Care With Stroke Severity Adjusted EMS Triaging and Bypass Criteria Protocols to a Comprehensive Stroke Center

Mary E Deleener, Brett Greenfield, Jefferson Neurosciences Network at AtlantiCare (An affiliate of Thomas Jefferson Univ Hosp), Ventnor, NJ

#### Poster Board Number P390 / Presentation Number WP390

### Closing the Gap: Integrating Community Paramedics in Stroke Patients Transition to Home

Susan J Ashcraft, Laura Post, Camron Young, Carolinas HealthCare System NorthEast, Concord. NC

#### Poster Board Number P391 / Presentation Number WP391

### You Can Make Them an Appointment, But You Can't Make Them Show: A 3-year Review of a Stroke Clinic Process Evolution

Kathy Morrison, Penn State Hershey Medical Ctr, Hershey, PA; Alicia Richardson, Penn State Hershey Medical Ctr, Palmyra, PA; Page Hesser, Donna Swords, Raymond Reichwein, David Ermak, Penn State Hershey Medical Ctr, Hershey, PA

#### Poster Board Number P392 / Presentation Number WP392

### The Experiences of Young Adult Stroke Survivors Who Go Directly Home From Acute Care

Karen B Seagraves, Grady Memorial Hosp, atlanta, GA

#### Poster Board Number P393 / Presentation Number WP393

# Lean Process Improvement Enables Attainment of Target: Stroke Phase II Goals Cory L McCann, Aleksander Tkach, Univ of Utah Clinical Neurosciences Ctr, Salt Lake City, UT; Alicia Bennett, Swedish Medical Ctr, Englewood, CO; Joel Loosli, Jamie Troyer, Univ of Utah Health Care, Salt Lake City, UT; Alicia Jex, Jana J Wold, Jennifer J Majersik, Univ of Utah Clinical Neurosciences Ctr, Salt Lake City, UT

#### Poster Board Number P394 / Presentation Number WP394

**Needs of Stroke Survivors Post Hospital Discharge Stroke Follow-up Call** Joseph Mojares, Sherydahn Aldrich, Maria Novales-Fiel, Kaiser Fndn Hosp Vacaville, Vacaville, CA

#### Poster Board Number P395 / Presentation Number WP395

#### Can Nursing-driven Stroke Alert Activations be Effective?

Nicole L Anderson, Essentia Health-St Joseph's Hosp, Brainerd, MN; Amy L Castle, Ganesh Asaithambi, Allina Health-John Nasseff Neuroscience Inst, St Paul, MN

#### Poster Board Number P396 / Presentation Number WP396

#### **Barriers to Stroke Coordinator Practice**

Sarah L Livesay, Rush Univ, Chicago, IL; Christy Casper, Alex Graves, St Anthonys Hosp, Denver, CO; Dana Stradling, Univ of California Irvine, Irvine, CA; Susan Wilson, Univ of North Carolina, Chapel Hill, NC

#### Poster Board Number P397 / Presentation Number WP397

### Multidisciplinary Simulation of Stroke Alerts in Resident Education Leads to a 20% Decrease in Door to Needle Times

Alicia Richardson, David Ermak, Balaji Krishnaiah, Sarita Said-Said, Mohammad El-Ghanem, Penn State Hershey Medical Ctr, Hershey, PA

#### Poster Board Number P398 / Presentation Number WP398

### Nursing Swallow Screen Validated for Detection of Dysphagia in Acute Stroke Patients

Janet Carlson, Melissa Hofmann, Centura Health, Littleton Adventist Hosp, Littleton, CO

#### Poster Board Number P399 / Presentation Number WP399

# Reduced Cost and Decreased Length of Stay Associated with Acute Ischemic Stroke Care Provided by Nurse Practitioners: A Single Primary Stroke Center Experience

Leah Roering, Michelle Peterson, Muhammad Shah Miran, Melissa Freese, Kenneth Shea. M Fareed K Suri. CentraCare St Cloud Hosp. StCloud. MN

#### Poster Board Number P400 / Presentation Number WP400

### Simulation Training is a Feasible Implementation Strategy for Evidence Based Stroke Swallowing Screening

Karen Stonecypher, Racquell Garrett, Barbara Kimmel, Stephanie Daniels, Jane Anderson, Michael E DeBakey VA Medical Ctr, Houston, TX

#### Poster Board Number P401 / Presentation Number WP401

### What Goes Around Comes Around: The Impact of Adding the Stroke Coordinator to Daily Rounds

Suzanne Stone, Amanda Dirickson, Univ of Texas Southwestern Medical, Dallas, TX

#### Poster Board Number P402 / Presentation Number WP402

### Ischemic Stroke Admission Factors Associated with Longer Length of Stay and Disposition to Non-home Setting

Natalie Wilson, John W Liang, Tara Toche, Stanley Tuhrim, Mandip S Dhamoon, Mount Sinai Hosp, NY, NY

#### Poster Board Number P403 / Presentation Number WP403

#### Is Our Home Grown Swallow Screen Good Enough?

Anna Raimondi, Christopher Babashka, Cynthia Barth, Elizabeth Kim, Mona Olges, Mary Kelly, AMITA Health Alexian Brothers Medical Ctr, Elk Grove Village, IL

### Poster Board Number P404 / Presentation Number WP404

#### **Stroke Cognitive Recovery Model**

Susan Alderman, Univ of Texas- Houston, Sch of Nursing, Houston, TX

#### Poster Board Number P405 / Presentation Number WP405

### Age, Race, and Gender Disparities in Door to Needle Time: A Single Center Joint Commission Certified Comprehensive Stroke Center Experience

Kari D Moore, Univ of Louisville, Louisville, KY; Peter Rock, Univ of Kentucky, Lexington, KY; Wei LIU, Jignesh Shah, Elizabeth Wise, Kerri Remmel, Univ of Louisville, Louisville, KY

#### Poster Board Number P407 / Presentation Number WP407

### Role of the Stroke Response Nurse to Improve Compliance with Key Stroke Performance Indicators

Katie Broadway, Houston Methodist Hosp, Houston, TX

#### Poster Board Number P408 / Presentation Number WP408

#### Tacls: Taking Action for Optimal Community and Long Term Stroke Care

Theresa L Green, Queensland Univ of Technology, Herston, Australia; Patrice Lindsay, Heart & Stroke Fndn Canada, Ottawa, ON, Canada

#### Poster Board Number P409 / Presentation Number WP409

#### Impact of Nursing Expertise and Staffing Ratio on Compliance with Post-tPA/ Endovascular Patient Monitoring

Kelly Montgomery, Danielle Sindelar, Julie Fussner, Erin Supan, Cathy Sila, Univ Hosp, Cleveland. OH

#### Poster Board Number P410 / Presentation Number WP410

#### From the Ground to Target Stroke Elite Plus

April L Cairl, Linda Farmer, Angela Groody, Geisinger Wyoming Valley Medical Ctr, Wilkes-Barre, PA; R Andrew Raposo, Prime Health Care, Providence, RI; Edgar J Kenton, Christopher Cummings, Ramin Zand, Neil Holland, Geisinger Wyoming Valley Medical Ctr, Wilkes-Barre, PA

#### Poster Board Number P411 / Presentation Number WP411

### Evaluation of Strategies to Reduce Time to Revascularization in Acute Ischemic Stroke

Abbigayle M Doerr, Janet Davis, Central DuPage Hosp, Winfield, IL; Sheryl Jenkins, Illinois State Univ, Mennonite Coll of Nursing, Normal, IL

#### Poster Board Number P412 / Presentation Number WP412

### Low Concordance Rates of Dysphagia Screening in Stroke Patients Evaluated by Neuroscience Nurses and Speech-Language Pathologists

Laura Beth Durm, Julie Bonner, Ellen Meyer, Cyndy Brasher, Stuart Schleuse, Ellen Stewart, Debbie Sinsley, Jan Humphrey, Lisa Reif, Sarah Omess, Elham Danaie, Fadi Nahab, Emory Univ Hosp, Atlanta, GA

#### Poster Board Number P413 / Presentation Number WP413

#### It's a Draw! Nurse vs Pharmacist Mixing tPA; Who's Faster?

Morgan Boyer, Penn State Health, Milton S Hershey Medical Ctr, Hershey, PA

#### **Preventive Strategies Posters I**

WP414 - WP422

#### Poster Board Number P414 / Presentation Number WP414

### Dabigatran Has the Lowest Risk of Hemorrhage and Death Among Patients Taking SSRI/SNRIs That Require Anticoagulation

Salman Al Jerdi, Mary Sarrazin, Enrique Leira, Univ of Iowa Hosp and Clinics, Iowa City, IA

#### Poster Board Number P415 / Presentation Number WP415

### Desirable LDL-cholesterol Levels For Preventing Stroke Recurrence – Subanalysis of J-STARS

Naohisa Hosomi, Hiroshima Univ Graduate Sch of Biomedical and Health Sciences, Hiroshima, Japan; Yoji Nagai, Kobe Univ Hosp, Kobe, Japan; Kazuo Kitagawa, Tokyo Women's Medical Univ Sch of Med, Tokyo, Japan; Shiro Aoki, Tomohisa Nezu, Hiroshima Univ Graduate Sch of Biomedical and Health Sciences, Hiroshima, Japan; Tatsuo Kagimura, Fndn for Biomedical Res and Innovation Translational Res Informatics Ctr, Kobe, Japan; Hideki Origasa, Univ of Toyama Graduate Sch of Med and Pharmaceutical Sciences, Toyama, Japan; Kazuo Minematsu, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Shinichiro Uchiyama, Intl Univ of Health and Welfare, Ctr for Brain and Cerebral Vessels, Sanno Hosp and Sanno Medical Ctr, Tokyo, Japan; Masayasu Matsumoto, Hiroshima Univ Graduate Sch of Biomedical and Health Sciences, Hiroshima, Japan; the J-STARS collaborators

#### Poster Board Number P416 / Presentation Number WP416

Tai Chi Exercise Reduces Stroke Risk Factors: A Randomized Controlled Trial Aileen WK Chan, Doris YP Leung, Janet WH Sit, SY Chair, The Chinese Univ of Hong Kong, Shatin, NT, Hong Kong

#### Poster Board Number P417 / Presentation Number WP417

### Treatment of Obstructive Sleep Apnea and the Risk of Subsequent Stroke and Cardiovascular Events

Michael E Reznik, Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Alan Z Segal, Weill Cornell Med, New York, NY; Babak A Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P418 / Presentation Number WP418

### A Systematic Comparison of Key Features of Ischaemic Stroke Prevention Guidelines in Low- and Middle-income vs High-income Countries

Hernan O Bayona, Medical Univ of South Carolina, Charleston, SC; Mayowa Owolabi, Univ of Ibadan, Ibadan, Nigeria; Wayne Feng, James R Sawers, Medical Univ of South Carolina, Charleston, SC; Paul Olowoyo, Joseph Yaria, Rufus Akinyemi, Univ of Ibadan, Ibadan, Nigeria; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P419 / Presentation Number WP419

### Long-term Risk of Complications after Endovascular Closure of Patent Foramen Ovale

Alexander E Merkler, Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Shadi Yaghi, Warren Alpert Medical Sch of Brown Univ, Providence, RI; Peter M Okin, Weill Cornell Med, New York, NY; Costantino ladecola, Babak Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P420 / Presentation Number WP420

#### Clopidogrel with Aspirin May be More Effective in Decreasing One-year Stroke Recurrence for Acute Minor Stroke with Watershed Infarcts: Subgroup Analysis of Chance

Yuehua Pu, Liping Liu, Yilong Wang, Jing Jing, Anxin Wang, Xinying Zou, Xia Meng, Chunxue Wang, Beijing Tiantan Hosp of Capital Medical Univ, Beijing, China; S Claiborne Johnston, Univ of California, San Francisco, CA; Yongjun Wang, Beijing Tiantan Hosp of Capital Medical Univ, Beijing, China

#### Poster Board Number P421 / Presentation Number WP421

# Pravastatin Can Reduce the Progression of Carotid Intima-media Complex Thickness: The Japan Statin Treatment Against Recurrent Stroke (J-STARS) Echo Study

Masatoshi Koga, Kazunori Toyoda, Kazuo Minematsu, Natl Cerebral and Cardiovascular Ctr, Suita Osaka, Japan; Masahiro Yasaka, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yoji Nagai, Kobe Univ Hosp, Kobe, Japan; Naohisa Hosomi, Hiroshima Univ Graduate Sch of Biomedical and Health Sciences, Hiroshima, Japan; Hideki Origasa, Univ of Toyama Graduate Sch of Med and Pharmaceutical Sciences, Toyama, Japan; Kazuo Kitagawa, Tokyo Women's Medical Univ, Tokyo, Japan; Shinichiro Uchiyama, Sanno Hosp and Sanno Medical Ctr, Tokyo, Japan; Masayasu Matsumoto, Hoshigaoka Medical Ctr, Japan Community Healthcare Organization (JCHO), Osaka, Japan

#### Poster Board Number P422 / Presentation Number WP422

### 18F-FDG PET/CT Imaging Factors for Prediction of Ischemic Stroke in Cancer Patients

Kangho Choi, Ja-Hae Kim, Jin-Heui Lee, Joon-Tae Kim, Man-Seok Park, Chonnam Natl Univ Hosp, Gwangju, Korea, Republic of

#### Vascular Biology in Health and Disease Posters I WP424 - WP441

#### Poster Board Number P424 / Presentation Number WP424

Let7i Microrna Regulates Immune Response in Patients with Ischemic Stroke Glen C Jickling, Bradley P Ander, Natasha Shroff, Boryana Stamova, Cheryl Dykstra-Aiello, Xinhua Zhan, Dazhi Liu, Frank R Sharp, Univ of California Davis, Sacramento. CA

#### Poster Board Number P425 / Presentation Number WP425

#### Effects of Angiotensin II on Expression and Processing of Amyloid Precursor Protein in Human Cerebral Microvascular Endothelial Cells

Ruohan Sun, Tongrong He, Mayo Clinic, Rochester, MN; Yujun Pan, First Hosp and Clinical Coll of Harbin Medical Univ, Harbin, China; Zvonimir Katusic, Mayo Clinic, Rochester, MN

#### Poster Board Number P426 / Presentation Number WP426

#### **Rock2-mediated Cerebrovascular Dysfunction During Aging**

Travice M De Silva, Mary Modrick, Frank M Faraci, Univ of Iowa Coll of Med, Iowa City, IA

#### Poster Board Number P427 / Presentation Number WP427

**Examining the Role of Gut Dysbiosis in Cerebral Small Vessel Disease**James W Nelson, David Durgan, Nadim Ajami, Joseph Petrosino, Robert Bryan,
Baylor Coll of Med, Houston, TX

#### Poster Board Number P428 / Presentation Number WP428

Hypoxia/Reoxygenation Stress Increases Multidrug Resistance Protein 2 at the Blood-Brain Barrier: Relevance to Ischemic Stroke Treatment Kathryn E Ibbotson, Hrvoje Brzica, Wazir Abdullahi, Patrick Ronaldson, Univ of Arizona, Tucson, AZ

#### Poster Board Number P430 / Presentation Number WP430 Endothelial Cell Collection from Ipsilateral Middle Cerebral Artery in Acute

Sunil A Sheth, Abhishek Verma, David S Liebeskind, Jeffrey L Saver, Gary Duckwiler, Satoshi Tateshima, Viktor Szeder, Reza Jahan, Jason Hinman, Univ of California, Los Angeles, Los Angeles, CA

#### Poster Board Number P431 / Presentation Number WP431

Functionally Distinct Neuronal Nitric Oxide Synthase Expressed in the Brain Microvascular Endothelial Cells Mediates Anoxic-injury to Blood-Brain Barrier Venkata N Sure, Nicholas R Peterson, Allen L Chen, Neelesh P Jain, Graham D Unis, Tyler P Baker, Angellica O Gordon, Ivan Merdzo, Ibolya Rutkai, David W Busija, Prasad V Katakam, Tulane Univ Sch of Med, New Orleans, LA

#### Poster Board Number P432 / Presentation Number WP432

#### Non-invasive Respiratory Impedance Enhances Cerebral Perfusion

Christopher G Favilla, Ashwin B Parthasarathy, John A Detre, Michael T Mullen, Scott E Kasner, Arjun G Yodh, Kimberly Gannon, Steven R Messe, Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P433 / Presentation Number WP433

Targeting Organic Anion Transporting Polypeptide 1a4 (Oatp1a4) Expression at the Blood-brain Barrier: Implications for Treatment of Ischemic Stroke Wazir Abdullahi, Hrvoje Brzica, Patrick Ronaldson, U of Arizona, Tucson, AZ

#### Poster Board Number P434 / Presentation Number WP434

### Serum MicroRNA Panel as a Candidate Biomarker of Carotid Plaque Rupture and Stroke

Aaron M Brug, Sullivan Smith, Ashton J Brooks, Daniel J Lightell, Tulane Univ Sch of Med, New Orleans, LA; Hernan A Bazan, Ochsner Clinic Fndn, New Orleans, LA; Thomas C Woods, Tulane Univ Sch of Med, New Orleans, LA

#### Poster Board Number P435 / Presentation Number WP435

### Endothelium-Specific Sox17 Deletion Ameliorates ALK1-mediated Cerebral Arteriovenous Malformation

Seungjoo Lee, Jae Sung Ahn, Won Hyung Park, Asan Medical Ctr, Seoul, Korea, Republic of

#### Poster Board Number P436 / Presentation Number WP436

### Reduced Blood Flow in the Pial Collaterals and Penetrating Arterioles During Chronic Hypoperfusion in Type 2 Diabetic Mice

Yasuo Nishijima, Yosuke Akamatsu, Atsushi Kanoke, Shih Yen Yang, UCSF, San Francisco, CA; Teiji Tominaga, Tohoku Univ Graduated Sch of Med, Sendai, Japan; Jialing Liu, UCSF, San Francisco, CA

#### Poster Board Number P437 / Presentation Number WP437

Sleep Apnea and Cerebral Blood Flow: the Role of Autoregulation Sara K Rostanski, Andrew J Westwood, Mehran Baboli, Randolph S Marshall, Columbia Univ. New York. NY

#### Poster Board Number P438 / Presentation Number WP438

### The Role of Transforming Growth Factor-beta in Post-Stroke Glymphatic Impairment

Matthew D Howe, Gabriel S Spiegel, Louise D McCullough, Akihiko Urayama, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P439 / Presentation Number WP439

#### Mean Platelet Volume and Platelet Count are not Associated With Coated-Platelet Levels Among Patients With Asymptomatic Carotid Stenosis

Angelia C Kirkpatrick, Adrienne M Elias, Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK; Andrea S Vincent, Univ of Oklahoma, Norman, OK; Fabiola M Donna-Ferreira, George C Malatinszky, George L Dale, Calin I Prodan, Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK

#### Poster Board Number P440 / Presentation Number WP440

### Analysis of Hypoplastic Variants of the Circle of Willis in Patients with First-ever Lacunar Stroke

Angelos M Katramados, Horia Marin, Maximilian Kole, Panayiotis Varelas, Daniel Miller, Shaneela Malik, Hebah Hefzy, Sumul Modi, Lonni Schultz, Henry Ford Hosp, Detroit, MI; Konstantinos Marmagkiolis, CMH Heart and Vascular Inst, Bolivar, MO; Despina Tsitlakidou, Wayne State Univ, Detroit, MI; Muhammad Affan, Panayiotis Mitsias, Henry Ford Hosp, Detroit, MI

#### Poster Board Number P441 / Presentation Number WP441

### Association Between Troponin Levels and Embolic Stroke of Undetermined Source

Alexander E Merkler, Gino Gialdini, Santosh Murthy, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Peter M Okin, Weill Cornell Med, New York, NY; Costantino Iadecola, Babak Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### **Vascular Cognitive Impairment Posters I**

WP442 - WP451

#### Poster Board Number P442 / Presentation Number WP442

#### Diffusion Tensor Imaging of White Matter Tracts in Transient Ischemic Attack Patients

Sana Tariq, Adrian Tsang, Jacob Ursenbach, Naomi-Rose Dutta, Linda B Andersen, Richard S Longman, Richard Frayne, Philip A Barber, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number P443 / Presentation Number WP443

### Diabetes and Renal Function Independently Associate With Post-stroke Cognitive Decline and Brain Changes

Einor Ben-Assayag, Efart Kliper, Tel Äviv Sourasky Medical Ctr, Tel-Aviv, Israel; Amos D Korczyn, Tel Aviv Univ, Tel-Aviv, Israel; Shani Shenhar-Tsarfaty, jeremy Molad, Ludmila Shopin, Hen Hallevi, Roy Eldor, Natan M Bornstein, Eitan Auriel, Tel Aviv Sourasky Medical Ctr, Tel-Aviv, Israel

#### Poster Board Number P444 / Presentation Number WP444

Postoperative Cognitive Dysfunction is Associated with Large Acute Cerebral Infarcts in Older Adults Following Aortic Valve Replacement for Aortic Stenosis Tania Giovannetti, Temple Univ, Philadelphia, PA; Catherine C Price, Univ of Florida, Gainesville, FL; Molly Fanning, Steven Messé, Sarah J Ratcliffe, Univ of Pennsylvania, Philadelphia, PA; Abigail Lyon, Thomas Jefferson Univ, Philadelphia, PA; Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; Gregory Seidel, Temple Univ, Philadelphia, PA; Michel Bilello, Joseph E Bavaria, Wilson Y Szeto, W Clarke Hargrove III, Michael A Acker, Univ of Pennsylvania, Philadelphia, PA; Thomas F Floyd, Stony Brook Univ Medical Ctr. Stony Brook. NY

#### Poster Board Number P446 / Presentation Number WP446

Increased Nighttime Blood Pressure and Small Vessel Diseases Are Strongly Associated With Cognitive Impairment Increased Nighttime Blood Pressure and Small Vessel Diseases Are Strongly Associated With Cognitive Impairment Ischemic Stroke Patients

Yasumasa Yamamoto, Kyoto Katsura Hosp, Kyoto, Japan; Yoshinari Nagakane, Kyoto Second Red-Cross Hosp, Kyoto, Japan; Yasuhiro Toimii, Kyoto Katsura Hosp, Kyoto, Japan; Eijiro Tanaka, Kyoto Second Red Cross Hosp, Kyoto, Japan; Shintaro Toda, Kyoto Katsura Hosp, Kyoto, Japan

#### Poster Board Number P447 / Presentation Number WP447

### Increased Platelet- and PMN-derived Extracellular Vesicles in Mice With Type 2 Diabetes

Yasuo Nishijima, Atsushi Kanoke, Shih Yen Yang, Philip Norris, Jialing Liu, UCSF, San Francisco, CA

#### Poster Board Number P448 / Presentation Number WP448

### Reference Ranges of L5 LDL—a Risk Factor for Ischemic Stroke—in Healthy Adults

Chih-Sheng Chu, Kaohsiung Medical Univ, Kaohsiung, Taiwan; Hua-Chen Chan, Ming-Hsien Tsai, Kaohsiung Medical Univ Hosp, Kaohsiung, Taiwan; Nicole Stancel, Texas Heart Inst, Houston, TX; Hsiang-Chun Lee, Kai-Hung Cheng, Yi-Ching Tung, Hsiu-Chuan Chan, Chung-Ya Wang, Shyi-Jang Shin, Wen-Ter Lai, Chao-Yuh Yang, Kaohsiung Medical Univ, Kaohsiung, Taiwan; Richard A Dixon, Chu-Huang Chen, Texas Heart Inst, Houston, TX; Liang-Yin Ke, Kaohsiung Medical Univ, Kaohsiung, Taiwan

#### Poster Board Number P449 / Presentation Number WP449

Short Term (1 month) Daily Remote Ischemic Conditioning (RIC) Induces Vascular Remodeling and Improves Long Term Outcomes (6 month) in a Mouse Model of Vascular Cognitive Impairment (VCI)

Mohammad B Khan, Sherif Hafez, Jesse D Wagner, M N Hoda, David C Hess, Augusta Univ, Augusta, GA

#### Poster Board Number P450 / Presentation Number WP450

### Cognitive Impairment and Asymptomatic Intracranial Atherosclerotic Stenosis in General Population

MFareed K Suri, Univ of Minnesota, Minneapolis, MN; Jincheng Zhou, Sch of Public Health, Div of Biostatistics, Univ of Minnesota, Minneapolis, MN; Ye Qiao, The Russell H Morgan Dept of Radiology and Radiological Sciences, The Johns Hopkins Hosp, Baltimore, Maryland, USA;, Baltimore, MD; Haitao Chu, Sch of Public Health, Div of Biostatistics, Univ of Minneapolis, MN; Adnan I Qureshi, Zeenat Qureshi Stroke Inst, St cloud, MN; Tom Mosley, Univ of Missisppi Medical Ctr, Jackson, MS; Rebecca F Gottesman, Johns Hopkins Univ Sch of Med, Baltimore, MD; Lisa Wruck, Univ of North Carolina, Chapel Hill, NC; A Richey Sharrett, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Alvaro Alonso, Dept of Epidemiology, Rollins Sch of Public Health, Emory Univ, Atlanta, GA, Atlanta, GA; Bruce A Wasserman, The Russell H Morgan Dept of Radiology and Radiological Sciences, The Johns Hopkins Hosp, Baltimore, Maryland, USA;, Baltimore, MD

#### Poster Board Number P451 / Presentation Number WP451

# Cognitive Impairment in Cardiac Disease – Neuroimaging Associations Jane Cannon, Mark Findlay, Krishna Dani, Jesse Dawson, Univ of Glasgow, Glasgow, United Kingdom; David A Dickie, Brain Res Imaging Ctr and DD Analytics, Edinburgh, United Kingdom; Terence J Quinn, Univ of Glasgow, Glasgow, United Kingdom

LATE-BREAKING SCIENCE ABSTRACTS
POSTER SESSION I

WEDNESDAY, FEBRUARY 22 6:15 PM - 6:45 PM

HALL E

#### **Late-Breaking Science Posters I**

LBP1 - LBP37

#### Poster Board Number LBP1 / Presentation Number LBP1

Association of Baseline ASPECTS and Collateral Score With Outcome Infarct Volume in Patients With Acute Ischemic Stroke due to Large Vessel Occlusions Ivo G Jansen, Anna M Boers, Henk A Marguering, Academic Medical Ctr, Amsterdam, Netherlands; Bijoy K Menon, Depts of Clinical Neuroscience and Radiology, Hotchkiss Brain Inst, Cummings Sch of Med, Univ of Calgary, University of Calgary, AB, Canada; Luis San Roman, Hosp Clinic, Barcelona, Spain; Mayank Goyal, Univ of Calgary, Calgary, AB, Canada; Wim H van Zwam, Maastricht Univ Medical Ctr, Maastricht, Netherlands; Yvo B Roos, Academic Medical Ctr, Amsterdam, Netherlands; Albert J Yoo, Texas Stroke Inst, Plano, TX; Ludo F Beenen, Academic Medical Ctr, Amsterdam, Netherlands; Hester F Lingsma, Erasmus Medisch Centrum, Rotterdam, Netherlands; Andrew Demchuk, Univ of Calgary, Calgary, AB, Canada; David S Liebeskind, UCLA, Los Angeles, CA; Bruce C Campbell, Royal Melbourne Hosp, Melbourne, Australia; Antoni Davalos, Hosp Germans Trias y Pujol, Barcelona, Spain; Scott Brown, Altair Biostatistics, St Louis Park, MN; Jeffrey L Saver, Univ of California, Los Angeles, CA; Tudor G Jovin, Presbyterian Univ Hosp, Pittsburgh, PA; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Peter J Mitchell, Royal Melbourne Hosp, Melbourne, Australia; Diederik W Dippel, Erasmus Medisch Centrum, Rotterdam, Netherlands: Charles B Maioie, Academic Medical Ctr. Amsterdam, Netherlands

#### Poster Board Number LBP2 / Presentation Number LBP2

### Influence of Balloon, Conventional, or Distal Catheters on Angiographic and Clinical Outcomes in the STRATIS Registry

Osama O Zaidat, St Vincent Mercy Medical Ctr, Toledo, OH; Michael T Froehler, Vanderbilt Univ Medical Ctr, Nashville, TN; Reza Jahan, Univ of California Los Angeles, Los Angeles, CA; M Ali Aziz-Sultan, Brigham and Women's Hosp, Boston, MA; Richard P Klucznik, Methodist Hosp, Houston, TX; Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA; Diogo C Haussen, Emory Univ / Grady Memorial Hosp, Atlanta, GA; Frank R Hellinger Jr, Florida Hosp, Orlando, FL; Dileep R Yavagal, Univ of Miami/Jackson Memorial Hosp, Miami, FL; Tom L Yao, Norton Neuroscience Inst, Louisville, KY; David S Liebeskind, Univ of California Los Angeles, Los Angeles, CA; Nils H Mueller-Kronast, Delray Medical Ctr/Tenet South Florida, Delray Beach, FL; on behalf of the STRATIS Investigators

#### Poster Board Number LBP3 / Presentation Number LBP3

#### Primary Outcome Results of the Systematic Evaluation of Patients Treated With Neurothrombectomy Devices for Acute Ischemic Stroke (STRATIS) Registry

Nils H Mueller-Kronast, Delray Medical Ctr/Tenet South Florida, Delray Beach, FL; Osama O Zaidat, St Vincent Mercy Hosp, Toledo, OH; Michael T Froehler, Vanderbilt Univ Medical Ctr, Nashville, TN; Reza Jahan, Univ of California Los Angeles, Los Angeles, CA; M Ali Aziz-Sultan, Brigham and Women's Hosp, Boston, MA; Richard P Klucznik, Methodist Hosp, Houston, TX; Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA; Frank R Hellinger Jr, Florida Hosp, Orlando, FL; Dileep R Yavagal, Univ of Miami/Jackson Memorial Hosp, Miami, FL; Tom L Yao, Norton Neuroscience Inst, Louisville, KY; David S Liebeskind, Univ of California Los Angeles, CA; Diogo C Haussen, Emory Univ / Grady Memorial Hosp, Atlanta, GA; on behalf of the STRATIS Investigators

#### Poster Board Number LBP4 / Presentation Number LBP4

#### Imaging Predictors of Clinical Outcome and Endovascular Treatment Response: Results From the Highly Effective Reperfusion Evaluated in Multiple Endovascular Stroke Trials (HERMES)

Antoni Dávalos, Hosp Germans Trias i Pujol, Badalona, Spain; Bijoy K Menon, Univ of Calgary, Calgary, AB, Canada; Luis San Román, Jordi Blasco, Hosp Clinic, Barcelona, Spain; María Hernández, Hosp Germans Trias i Pujol, Badalona, Spain; Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada; Charles B Majoie, Academic Medical Ctr, Amsterdam, Netherlands; Jeffrey L Saver, David Geffen Sch of Med, Univ of Los Angeles, Los Angeles, CA; Bruce C Campbell, Peter J Mitchell, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Tudor G Jovin, Univ of Pittsburgh Medical Ctr Stroke Inst, Presbyterian Univ Hosp, Pittsburgh, PA; Diederik W Dippel, Erasmus MC Univ Medical Ctr, Rotterdam, Netherlands; David S Liebeskind, Neurovascular Imaging Res Core and UCLA Stroke Ctr, Los Angeles, CA; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Scott Brown, Biostatistics, Saint Louis Park, MN; Keith W Muir, Inst of Neuroscience & Psychology, Univ of Glasgow, Queen Elizabeth Univ Hosp, Glasgow, United Kingdom; Philip White, Inst of Neuroscience, Newcastle Univ, Newcastle upon Tyne, United Kingdom; Mayank Goyal, Univ of Calgary, Calgary, Calgary, AB, Canada

# Poster Board Number LBP6 / Presentation Number LBP6 Increased Blood Pressure Variability in the SPRINT Trial Is Associated With Incident Stroke

Adam de Havenon, Univ of Utah, Salt Lake City, UT; David Tirschwell, Univ of Washington, Seattle, WA; Greg Stoddard, Jennifer J Majersik, Adam Bress, Univ of Utah, Salt Lake City, UT

#### Poster Board Number LBP7 / Presentation Number LBP7

**Outcome Infarct Volume and Location as Prognostic Biomarkers for Effect** of Intra-arterial Therapy on Functional Outcome After Acute Ischemic Stroke Anna M Boers, Ivo G Jansen, Henk A Marquering, Academic Medical Ctr (AMC), Amsterdam, Netherlands; Bijoy K Menon, Hotchkiss Brain Inst, Cummings Sch of Med, Univ of Calgary, Calgary, AB, Canada; Luis San Román, Hosp Clínic, Barcelona, Spain; Mayank Goyal, Hotchkiss Brain Inst, Cummings Sch of Med, Univ of Calgary, Calgary, AB, Canada: Wim H van Zwam, Maastricht Univ Medical Ctr. Maastricht. Netherlands; Yvo B Roos, Academic Medical Ctr (AMC), Amsterdam, Netherlands; Albert J Yoo, Texas Stroke Inst, Dellas, TX; Ludo F Beenen, Academic Medical Ctr (AMC), Amsterdam, Netherlands; Hester F Lingsma, Erasmus MC Univ Medical Ctr, Rotterdam, Netherlands; Andrew Demchuk, Hotchkiss Brain Inst, Cummings Sch of Med, Univ of Calgary, Calgary, AB, Canada; David S Liebeskind, UCLA, Los Angeles, CA; Bruce C Campbell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia; Antoni Dávalos, Hosp Germans Trias y Pujol, Barcelona, Spain; Scott Brown, Altair Biostatistics, St Louis Park, ME; Jeffrey L Saver, David Geffen Sch of Med, Univ of Los Angeles, Los Angeles, CA; Tudor G Jovin, Univ of Pittsburgh Medical Ctr Stroke Inst, Presbyterian Univ Hosp, Pittsburgh, PA; Michael D Hill, Hotchkiss Brain Inst, Cummings Sch of Med, Univ of Calgary, Calgary, AB, Canada; Peter J Mitchell, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia; Diederik W Dippel, Erasmus MC Univ Medical Ctr, Rotterdam, Netherlands; Charles B Majoie, Academic Medical Ctr (AMC), Amsterdam, Netherlands

#### Poster Board Number LBP9 / Presentation Number LBP9

### No Superior Effect of Clopidogrel Added to Aspirin on Stroke Recurrence in Minor Stroke or TIA Patients With High Body Weight

Xuewei Xie, Jie Xu, Beijing Tiantan Hosp,Capital Medical Univ, Beijing, China; Yongli Tao, The First Affiliated Hosp of Zhengzhou Univ, Zhengzhou, China; Xia Meng, Yongjun Wang, Yilong Wang, Beijing Tiantan Hosp,Capital Medical Univ, Beijing, China; the CHANCE Investigators

#### Poster Board Number LBP10 / Presentation Number LBP10 Combination of Fingolimod With Alteplase Between 45-6 Hours of Acute Ischemia Stroke: A Pilot Study

Decai Tian, Depts of Neurology, Tianjin Neurological Inst, Tianjin Medical Univ General Hosp, Tianjin, China; Kaibin Shi, Tianjin Neurological Inst, Tianjin Medical Univ General Hosp, Tianjin, China; Zilong Zhu, Dept of Neurology, Tianjin HuanHu Hosp, Tianjin, China; Jia Yao, Depts of Radiology, Tianjin Medical Univ General Hosp, Tianjin, China; Xiaoxia Yang, Lei Su, Tianjin Neurological Inst, Tianjin Medical Univ General Hosp, Tianjin, China; Sheng Zhang, Dept of Neurology, the Second Affiliated Hosp of Zhejiang Univ, Sch of Medin Neurological Inst, Hangzhou, China; Meixia Zhang, Dept of Neurology, the Second Affiliated Hosp of Zhejiang Univ, Sch of Med, Hangzhou, China; Qiang Liu, Dept of Neurology, Barrow Neurological Inst, St Joseph's Hosp and Medical Ctr, Phoenix, AZ; Deren Huang, Neurology and Neuroscience Associates, Unity Health Network, Akron, OH; Min Lou, Dept of Neurology, the Second Affiliated Hosp of Zhejiang Univ, Sch of Med, Hangzhou, China; Fudong Shi, Depts of Neurology, Tianjin Neurological Inst, Tianjin Medical Univ General Hosp, Tianjin, China

#### Poster Board Number LBP12 / Presentation Number LBP12

### Meta-analysis of Transethnic Association (MANTRA) Reveals Loci Associated With Neurological Instability After Acute Ischemic Stroke

Laura Heitsch, Laura Ibanez, Washington Univ, Saint Louis, M0; Caty Carrerra, Hosp Univrio Vall d'Hebron, Barcelona, Spain; Joanna Pera, Jagiellonian Univ, Krakow, Poland; Jordi Jimenez-Conde, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain; Agnieszka Slowik, Jagiellonian Univ, Krakow, Poland; Daniel Strbian, Helsinki Univ Central Hosp, Helsinki, Finland; Israel Fernandez-Cadenas, Joan Montaner, Hosp Univrio Vall d'Hebron, Barcelona, Spain; Carlos Cruchaga, Jin-Moo Lee, Washington Univ, Saint Louis, MO

#### Poster Board Number LBP13 / Presentation Number LBP13

### Child-Mediated Public Stroke Awareness among Minorities: Results of a Randomized Controlled Trial

Olajide Williams, Ellyn Leighton-Herrmann Quinn, Alexandra Desorbo-Quinn, Monique Hedmann, Mindy Feldman Hecht, Columbia Univ Medical Ctr, New York, NY; Joseph P Eimicke, Jian Kong, Jeanne Teresi, Res Div, Hebrew Home at Riverdale, Bronx, NY; William Gerin, The Pennsylvania State Univ, State College, PA; James Noble, Columbia Univ Medical Ctr, New York, NY

#### Poster Board Number LBP14 / Presentation Number LBP14 Establishing the First Mobile Stroke Unit in New York City

Benjamin R Kummer, Michael P Lerario, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Adam C Ganzman, Dept of Neurology, Weill Cornell Med, New York, NY; Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Daniel Ribaudo, Dept of Emergency Services, NewYork Presbyterian Hosp, New York, NY; Saad Mir, Sammy Pishanidar, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Rachel Mehendale, Olajide Williams, Dept of Neurology, Columbia Univ Medical Ctr, New York, NY; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Randolph S Marshall, Mitchell S Elkind, Dept of Neurology, Columbia Univ Medical Ctr, New York, NY; Matthew E Fink, Dept of Neurology, Weill Cornell Medical Coll, New York, NY

#### Poster Board Number LBP15 / Presentation Number LBP15 Feasibility of Ambulance-based Telestroke in a Rural EMS System: The iTREAT Study

William M Clark, Nicole A Chiota-McCullom, Timothy L McMurry, Jack Cote, Brett J Schneider, Brian S Gunnell, David C Cattell-Gordon, Univ of Virginia Health System, Charlottesville, VA; George M Lindbeck, Sentara Martha Jefferson, Charlottesville, VA; Debra G Perina, Robert E O'Connor, Sherita N Chapman Smith, Nina J Solenski, Bradford B Worrall, Andrew M Southerland, Univ of Virginia Health System, Charlottesville, VA

#### Poster Board Number LBP16 / Presentation Number LBP16

### A Novel Couples-Based Intervention for Stroke Survivors and Partner Caregivers Improves Mood and Quality of Life

Alexandra L Terrill, Univ of Utah, Salt Lake City, UT; Maija Reblin, Moffitt Cancer Ctr, Tampa, FL; Justin J MacKenzie, Beth Cardell, Cynthia A Berg, Lorie G Richards, Jennifer J Majersik, Univ of Utah, Salt Lake City, UT

#### Poster Board Number LBP17 / Presentation Number LBP17 Higher Systolic Blood Pressure Parameters Within 24 hours After Thrombectomy Independently Correlates With Worse Outcomes in Stroke Patients

Eva A Mistry, Houston Methodist Hosp, Houston, TX; Akshitkumar M Mistry, Vanderbilt Univ Medical Ctr, Nashville, TN; Mohammad O Nakawah, Houston Methodist Hosp, Houston, TX; Michael T Froehler, Rohan V Chitale, Matthew R Fusco, Vanderbilt Univ Medical Ctr, Nashville, TN; John J Volpi, Houston Methodist Hosp, Houston, TX

#### Poster Board Number LBP18 / Presentation Number LBP18

Ischemic Injury Amplifies Hippocampal NLRP3 Inflammasome in Diabetes: Improvement of Spatial Memory and Cognition Deficits With NLRP3 Inhibition Rebecca Ward, John Paul Valenzuela, Augusta Univ, Augusta, GA; Sarah Cox, Medical Coll of Georgia, Augusta, GA; Adviye Ergul, Augusta Univ, Augusta, GA

#### Poster Board Number LBP20 / Presentation Number LBP20

Heritability of Risk for Troponin Elevation After Acute Ischemic Stroke Derek Holder, Laura Ibanez, Laura Heitsch, Carlos Cruchaga, Jin-Moo Lee, Washington Univ Sch of Med, St Louis, MO

#### Poster Board Number LBP21 / Presentation Number LBP21

### Left Atrial Enlargement and Vascular Brain Injury: The Cardiovascular Health Study

Shadi Yaghi, The Warren Alpert Medical Sch of Brown Univ, Providence, RI; Traci M Bartz, Dick Kronmal, Univ of Washington, Seattle, WA; Hooman Kamel, Cornell Univ, New York, NY; John Gottdiener, Univ of Maryland, Baltimore, MD; Will Longstreth, Univ of Washington, Seattle, WA; Mitchell S Elkind, Columbia Univ, New York, NY

#### Poster Board Number LBP22 / Presentation Number LBP22

### Severity of Intracranial Stenosis: Redefining Ischemic Impact With Computational Fluid Dynamics

Dandan Yu, Neuro-Intensive Care Unit, Dept of Neurology, Beijing Tiantan Hosp, Capital Medical Univ, Neurovascular Imaging Res Core, UCLA, Beijing, China; Yuehua Pu, Neuro-Intensive Care Unit, Dept of Neurology, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Xinyi Leng, The Chinese Univ of Hong Kong, Hong Kong, China; Xin Liu, Neuro-Intensive Care Unit, Dept of Neurology, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Yongkun Li, Fujian Provincial Hosp, Provincial Clinical Dept of Fujian Medical Univ, Fujian, China; Yannan Yu, Neurovascular Imaging Res Core, UCLA, Los Angeles, CA; Qiliang Dai, Jinling Hosp Medical Sch of Nanjing Univ, Nanjing, China; Amra Adam Dailamy, Neurovascular Imaging Res Core, UCLA, Los Angeles, CA; Graham W Woolf, Fabien Scalzo, Neurovascular Imaging Res Core, UCLA, Los Angeles, CA; Liping Liu, Neuro-Intensive Care Unit, Dept of Neurology, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; David S Liebeskind, UCLA Dept of Neurology, Neurovascular Imaging Res Core, Los Angeles, CA

#### Poster Board Number LBP23 / Presentation Number LBP23

# Improved Survival of Stroke Patients Contributed More Than Improvements in Stroke Prevention to the Recent Decline in Population-Based Mortality Rates From Stroke

Olena Seminog, Peter Scarborough, Michael Goldacre, Univ of Oxford, Oxford, United Kingdom

#### Poster Board Number LBP24 / Presentation Number LBP24

# Less Experienced Telestroke Consultants are More Likely to Go On-Camera, but Less Likely to Administer tPA: Results from 600 Telestroke Consults at a Comprehensive Stroke Center

Adam de Havenon, Jaleen Smith, Cory McCann, Lee S Chung, Aleks Tkach, Peter M Hannon, Jennifer J Majersik, Univ of Utah, Salt Lake City, UT

#### Poster Board Number LBP25 / Presentation Number LBP25

### M2 Microglia Preconditioned by Oxygen Glucose Deprivation Promotes Functional Recovery in Ischemic Rats

Masato Kanazawa, Minami Miura, Masafumi Toriyabe, Misaki Koyama, Masahiro Hatakeyama, Masanori Ishikawa, Brain Res Inst, Niigata Univ, Niigata, Japan; Takashi Nakajima, Niigata Natl Hosp, Natl Hosp Organization, Niigata, Japan; Osamu Onodera, Tetsuya Takahashi, Masatoyo Nishizawa, Takayoshi Shimohata, Brain Res Inst, Niigata Univ, Niigata, Japan

#### Poster Board Number LBP26 / Presentation Number LBP26

### Neuroprotective Effect of Endurance Exercise Against Alcohol Induced Cognitive Dysfunctions

Akash K George, Jyoti Bala, Kimberly Kelly, Neetu Tyagi, Univ of Louisville, Louisville, KY

#### Poster Board Number LBP27 / Presentation Number LBP27

#### **Oral Carbon Monoxide as a Treatment for Stroke**

Kyra J Becker, Dannielle Zierath, Angela Shen, Univ of Washington Sch of Med, Seattle, WA; Howard Levy, Hillhurst Biopharmaceuticals, Montrose, CA; Leo Otterbein, Beth Israel Deaconess Medical Ctr, Boston, MA; Edward Gomperts, Brett Skolnick, Hillhurst Biopharmaceuticals, Montrose, CA

#### Poster Board Number LBP28 / Presentation Number LBP28

# Drag Reducing Polymers Delivered Late After Stroke Onset Enhance Collateral Flow Reducing Ischemic Core Progression After Permanent Middle Cerebral Artery Occlusion in Rats

Denis E Bragin, Olga A Bragina, Dept of Neurosurgery, Univ of New Mexico Sch of Med, Albuquerque, NM; Jun Wu, Dept of Neurosurgery, Xiangya Hosp, Central South Univ, Changsha, China; Hengzhou Lin, Dept of Neurosurgery, Shezhen Second Hosp, Shenzhen Univ, Shenzhen, China; Devon A Lara, Dept of Neurosurgery, Univ of New Mexico Sch of Med, Albuquerque, NM; Yirong Yang, Dept Pharmaceutical Sciences, Univ of New Mexico Coll of Pharmacy, Albuquerque, NM; Marina V Kameneva, Univ of Pittsburgh, Pittsburgh, PA; Edwin M Nemoto, Dept of Neurosurgery, Univ of New Mexico Sch of Med, Albuquerque, NM

#### Poster Board Number LBP29 / Presentation Number LBP29

#### The Fall Study of Gothenburg

Carina U Persson, Inst of Neuroscience and Physiology, Rehabilitation Med, Sahlgrenska Acad, Univ of Gothenburg, Gothenburg, Sweden; Sigvar Kjellberg, Ellen Westerlind, Bodil Lernfelt, Per-Olof Hansson, Inst of Molecular and Clinical Med, Sahlgrenska Acad, Univ of Gothenburg, Gothenburg, Sweden

#### Poster Board Number LBP30 / Presentation Number LBP30

### Variable Ischemic Stress in White Matter Hyperintensities of Stroke Patients With Large Vessel Occlusion

Edwin Nemoto, Univ of New Mexico, Albuquerque, NM; Syed Zaidi, Promedica Regional Hosp, Toledo, OH; Ken Uchino, Cleveland Clinic, Cleveland, OH; Ridwan Lin, Neurologic Inst, Pompano Beach, FL; Hiroto Kuwabara, Johns Hopkins Univ, Baltimore, MD; Donald Sashin, Univ of Pittsburgh, Pittsburgh, PA; Nicholas Bircher, Maxim Hammer, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Yue-fang Chang, Univ of Pittsburgh Medical Ctr, Pennsylvania, PA; Vivek Reddy, Tudor Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Nirav Vora, Riverside Radiology and Interventional Associates, Marion, OH; Mouhammad Jumaa, Promedica Regional Hosp, Toledo, OH; Lori Massaro, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Julia Billigen, Univ of Pittsburgh Medical Ctr, Pittsburgh, OR; Fernando Boada, New York Univ, New York City, NY; Keisuke Matsubara, , Res Inst for Brain and Blood Vessels, Akita, Japan; Howard Yonas, Univ of New Mexico, Albuquerque, NM

#### Poster Board Number LBP31 / Presentation Number LBP31

### 3K3A-APC Promotes Post-ischemic Neuronal Repair by Human Neural Progenitor Cells in Mice

Yaoming Wang, Zhen Zhao, Sanket V Rege, Min Wang, Gabriel Si, Dept of Physiology and Biophysics and the Zilkha Neurogenetic Inst, Keck Sch of Med of the Univ of Southern California, Los Angeles, CA; Su Wang, Ctr for Translational Neuromedicine and the Dept of Neurology, Rochester, NY; John H Griffin, Dept of Molecular and Experimental Med, The Scripps Res Inst, La Jolla, CA; Steven A Goldman, Ctr for Translational Neuromedicine and the Dept of Neurology, Univ of Rochester Medical Ctr, Rochester, NY; Berislav V Zlokovic, Dept of Physiology and Biophysics and the Zilkha Neurogenetic Inst, Keck Sch of Med of the Univ of Southern California, Los Angeles, CA

#### Poster Board Number LBP32 / Presentation Number LBP32

### Fried-breadstick Sign: A Novel Imaging Marker of Laminar Flow on Magnetic Resonance Angiography in Intracranial Atherosclerosis

Yannan Yu, Yuyuan Xu, Xue Man, Mingli Li, Bo Hou, Shan Gao, Feng Feng, Peking Union Medical Coll Hosp, Beijing, China; David S Liebeskind, Neurovascular Imaging Res Core and UCLA Stroke Ctr, Los Angeles, CA; Weihai Xu, Peking Union Medical Coll Hosp, Beijing, China

#### Poster Board Number LBP33 / Presentation Number LBP33

### Do Patients at a Higher Risk for an Ischemic Stroke Have an Altered Peripheral Blood or Bone Marrow Cellular Composition?

Rohan B Parikh, Anne-Cecile Huby, Lourdes Chacon, Ariadna Contreras, Micheline Resende, Texas Heart Insitute, Houston, TX; Marjorie Carlson, Unniversity of Minnesota, Minneapolis, MN; Lem Moyé, Univ of Texas Sch of Public Health, Houston, TX; Jay H Traverse, Minneapolis Heart Inst Fndn at Abbott Northwestern Hosp, Minneapolis, MN; Timothy D Henry, Cedars-Sinai Heart Inst, Los Angeles, CA; Doris A Taylor, Texas Heart Insitute, Houston, TX

#### Poster Board Number LBP34 / Presentation Number LBP34

Improving Rheo-Erythrocrine Functions: A Novel Therapeutic Approach for Efficient Cerebral Blood Flow (CBF) After Acute Ischemic Stroke (AIS) Sumbul Fatima, Chirayu D Pandya, Kumar Vaibhav, Molly Braun, Babak Baban, Krishnan M Dhandapani, Md Nasrul Hoda, Augusta Univ, Augusta, GA

#### Poster Board Number LBP35 / Presentation Number LBP35

### Assessing Reperfusion in Recanalized Ischemic Stroke Patients Treated With Intra-Arterial Therapy Using CT Perfusion

Eric Wright, Univ of Western Ontario, London, ON, Canada; Christopher d'Esterre, Univ of Calgary, Calgary, AB, Canada; Enrico Fainardi, Azienda Ospedaliero-Univria Careggi, Florence, Italy; Ting-Yim Lee, Univ of Western Ontario, London, ON, Canada

#### Poster Board Number LBP37 / Presentation Number LBP37

#### <Geographic Analysis of Stroke Center Availability in Taiwan: Possible Impact on Stroke Patients Outcomes of Distance to Stroke Centers>

Dorji Harnod, Ta Chien Chen, Chu Hui Chang, Taipei Medical Univ Hosp, Taipei, Taiwan

PROFESSOR-LED POSTER TOURS BY CATEGORY: SESSION II

THURSDAY, FEBRUARY 23 5:15 PM - 6:15 PM Hall E

> Acute Endovascular Treatment Moderated Poster Tour II

TMP1 - TMP12

#### **SECTION 1**

Moderator: Roberta Novakovic, MD, Dallas, TX

#### Poster Board Number MP1 / Presentation Number TMP1

#### Distal Hyperintense Vessels Score on Flair is a Marker of Collateral Flow Grade and Outcomes in Patients with Acute Ischemic Stroke After Endovascular Therapy

Masatomo Miura, Makoto Nakajima, Graduate Sch of Medical Sciences, Kumamoto Univ, Kumamoto, Japan, Kumamoto, Japan; Takuya Kanamaru, Kazutaka Uchida, Manabu Shirakawa, Hyogo Coll of Med, Hyogo, Japan; Yukio Ando, Graduate Sch of Medical Sciences, Kumamoto Univ, Kumamoto, Japan, Kumamoto, Japan; Shinichi Yoshimura, Hyogo Coll of Med, Hyogo, Japan

#### Poster Board Number MP2 / Presentation Number TMP2

#### Postoperative Luxury Perfusion on Arterial Spin Labeling MRI Indicates Reperfusion Injury and Hemorrhagic Complication After Endovascular Mechanical Thrombectomy

Eisaku Sadakata, Nobutaka Horie, Yoichi Morofuji, Yohei Tateishi, Tsuyoshi Izumo, Minoru Morikawa, Akira Tsujino, Takayuki Matsuo, Nagasaki Univ Sch of Med, Nagasaki. Japan

#### Poster Board Number MP3 / Presentation Number TMP3

### Which is a Better Predictor of Clinical Outcome After Endovascular Thrombectomy, Pre-treatment DWI ASPECTS or CT Perfusion?

Tomohide Yoshie, Toshihiro Ueda, Tatsuro Takada, Shinji Nogoshi, Satoshi Takaishi, Takayuki Fukano, Daiki Tokuura, Yoshiaki Tokuyama, Ryouo Yamamoto, Kentaro Tatsuno, St Marianna UnivToyoko Hosp, Kawasaki, Japan

#### Poster Board Number MP4 / Presentation Number TMP4

### Serial ASPECTS from Baseline to 24 Hours: Impact of Endovascular Therapy in STRATIS

David S Liebeskind, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Nils H Mueller-Kronast, Delray Medical Ctr/Tenet South Florida, Delray Beach, FL; M Ali Aziz-Sultan, Brigham and Women's Hosp, Boston, MA; Michael T Froehler, Vanderbilt Univ Medical Ctr, Nashville, TN; Richard P Klucznik, Methodist Hosp, Houston, TX; Jeffrey L Saver, UCLA, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Osama O Zaidat, St Vincent Mercy Hosp, Toledo, OH; Diogo C Haussen, Emory Univ Sch of Med / Grady Memorial Hosp, Atlanta, GA; Frank R Hellinger Jr, Florida Hosp, Orlando, FL; Dileep R Yavagal, Univ of Miami/ Jackson Memorial Hosp, Miami, FL; Tom L Yao, Norton Neuroscience Inst, Louisville, KY; Reza Jahan, UCLA, Los Angeles, CA; for the STRATIS Investigators

#### Poster Board Number MP5 / Presentation Number TMP5

### The Smoking-Thrombolysis Paradox in Large Vessel Occlusion Acute Ischemic Stroke Undergoing Endovascular Therapy

Mehdi Bouslama, Leticia C Rebello, Diogo C Haussen, Jonathan A Grossberg, Shannon Doppelheuer, Aaron Anderson, Samir R Belagaje, Michael R Frankel, Raul G Nogueira, Emory Univ SOM, Atlanta, GA

#### Poster Board Number MP6 / Presentation Number TMP6

#### A Multi-center Study of Safety and Efficacy of Mechanical Thrombectomy for Acute Ischemic Stroke Patients with Emergent Large Vessel Occlusions Not Meeting Top Tier Evidence Criteria

Nitin Goyal, Georgios Tsivgoulis, Univ of Tennessee Health Science Ctr, Memphis, TN; Donald Frei, Radiology Imaging Associates, Englewood, CO; Aquilla Turk, Medical Univ of South Carolina, Charleston, SC; Blaise Baxter, Erlanger Medical Ctr, Chattanooga, TN; Michael Froehler, Vanderbilt Univ, Nashville, TN; J Mocco, Mount Sinai Health System, New York, NY; Jay Vachhani, Daniel Hoit, Rohini Bhole, Lucas Elijovich, Andrei V Alexandrov, Anne W Alexandrov, Adam S Arthur, Univ of Tennessee Health Science Ctr, Memphis, TN

#### Poster Board Number MP7 / Presentation Number TMP7 Endovascular Stroke Therapy Abrogates Sex-Related Differences in Recanalization in Acute Ischemic Stroke

Sunil A Sheth, Univ of California, Los Angeles, Los Angeles, CA; Steven Warach, Univ of Texas at Austin, Austin, TX; Jan Gralla, Dept of Diagnostic and Interventional Neuroradiology, Inselspital, Univ of Bern, Bern, Switzerland; Reza Jahan, Univ of California, Los Angeles, Los Angeles, CA; Mayank Goyal, Dept of Diagnostic and Interventional Neuroradiology, Univ of Calgary, Calgary, AB, Canada; Raul Nogueira, Emory Univ, Atlanta, GA; Osama Zaidat, St Vincent Mercy Medical Ctr, Toledo, OH; Vitor Pereira, Div of Neuroradiology, Toronto Western Hosp, Toronto, ON, Canada; Adnan Siddiqui, State Univ of New York-Buffalo, Buffalo, NY; Helmi Lutsep, Oregon Health Sciences Univ, Portland, OR; David Liebeskind, Univ of California, Los Angeles, Los Angeles, CA; Louise McCullough, Univ of Texas at Houston, Houston, TX; Jeffrey L Saver, Univ of California, Los Angeles, Los Angeles, CA

#### Poster Board Number MP8 / Presentation Number TMP8

Predictors of Large Vessel Occlusion in Kaiser Stroke EXPRESS Program
Jeffrey G Klingman, Anne C Kim, Kaiser Permanente, Walnut Creek, CA; Meghan
Hatfield, Kaiser Permanente, Oakland, CA; Benjamin Wilson, Lauren Klingman,
Georgetown Univ, Washington DC, DC; Mai N Nguyen-Huynh, Kaiser Permanente,
Oakland, CA; on behalf of KPNC Stroke FORCE team

#### Poster Board Number MP10 / Presentation Number TMP10

### Impact on Mechanical Thrombectomy Time Efficiencies Following Hospital Bypass Protocol Implementation: Northwest Ohio Experience

Sharjeel Panjwani, Univ of Toledo Medical Ctr, Toledo, OH; Julie Shawver, Promedica Toledo Hosp, Toledo, OH; Rami Abdelaziz, Gretchen Tietjen, Mouhammad Jumaa, Syed Zaidi, Univ of Toledo Medical Ctr, Toledo, OH

#### Poster Board Number MP11 / Presentation Number TMP11

Endovascular Thrombectomy Has Benefits on Population-level Stroke-related Disability and Mortality Disproportionate to Its Numerical Frequency Konark Malhotra, Charleston Area Medical Ctr, Charleston, WV; Jeffrey L Saver, Univ of California, Los Angeles, Los Angeles, CA

#### Poster Board Number MP12 / Presentation Number TMP12

### Aspiration Thrombectomy Works Better Wn Time from Stroke Onset to Clot Contact is Shorter

Raphael Blanc, Hocine Redjem, Gabriele Ciccio, Stanislas Smadja, Jean Philippe Desilles, Fondation Rothschild, Paris, France; Julien Labreuche, CHU Lille, Lille, France; Mikael Mazighi, Fondation Rothschild, Paris, France; Bertrand Lapergue, Foch Hosp, Paris, France; Michel Piotin, Fondation Rothschild, Paris, France

Acute Nonendovascular Treatment Moderated Poster Tour TMP13 - TMP25

#### **SECTION 2**

Moderator: TBD

#### Poster Board Number MP13 / Presentation Number TMP13 Safety and Efficacy of Lower Dose versus Standard Dose r-tPA: A Meta-Analysis

Yi Dong, Huashan Hosp, Fudan Univ, Shanghai, China; Pratik Y Chhatbar, Shimeng Liu, Medical Univ of South Carolina, Charleston, SC; Qiang Dong, Huashan Hosp, Fudan Univ, Shanghai, China; Bruce Ovbiagele, Wuwei Feng, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number MP14 / Presentation Number TMP14

Should 45-Minute Door to Needle Time be the New Standard of Care?
Analysis of Categorized Treatment Time in a Large, Multi-hospital Registry
Amit Kansara, Lindsay Lucas, Leslie Corless, Archit Bhatt, Elizabeth Baraban,
Providence Health and Services, Portland, OR

#### Poster Board Number MP16 / Presentation Number TMP16

### Efficacy and Safety of Ticagrelor in Relation to Time to Loading Dose in the SOCRATES Trial

Carlos A Molina, Hosp Vall d'Hebron, Barcelona, Spain; S Claiborne Johnston, Univ of Texas at Austin, Austin, TX; Pierre Amarenco, Paris Diderot Univ, Paris, France; Gregory W Albers, Stanford Univ, Stanford, CA; Hans Denison, AstraZeneca, Mölndal, Sweden; J Donald Easton, Univ of California, San Francisco, CA; Scott R Evans, Harvard Univ, Boston, MA; Peter Held, Jenny Jonasson, Pet Ladenvall, AstraZeneca, Mölndal, Sweden; Kazuo Minematsu, Natl Cerebral and Cardiovascular Ctr, Suita, Osaka, Japan; Joachim Röther, Asklepios Klinik Hamburg Altona, Hamburg, Germany; Yongjun Wang, Beijing Tiantan Hosp, Beijing, China; KS Lawrence Wong, Chinese Univ of Hong Kong, Shatin, Hong Kong; SOCRATES Steering Committee and Investigators

#### Poster Board Number MP17 / Presentation Number TMP17

### Safety of Thrombolysis for Acute Ischemic Stroke in Patients with Recent Stroke

Setareh Salehi Omran, Alexander E Merkler, Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Michael Lerario, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, New York Presbyterian — Queens, New York, NY; Shadi Yaghi, Warren Alpert Medical Sch of Brown Univ, New York, NY; Mitchell S Elkind, Dept of Neurology, Columbia Univ Coll of Physicians and Surgeons, New York, NY; Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP18 / Presentation Number TMP18

An Analysis of Fixed Dose IV Recombinant Tissue Plasminogen Activator (rtPA) and Clinical Outcome in Acute Ischemic Stroke Patients with Body Weight >100 kg: Pooled Data From Three Randomized Clinical Trials

Shahram Majidi, Christopher Leon Guerrero, Kathleen Burger, George Washington Univ, Washington, DC; Adnan Qureshi, Zeenat Qureshi Stroke Res Inst, St Cloud, MN

#### Poster Board Number MP19 / Presentation Number TMP19

### Intravenous Recombinant Tissue-type Plasminogen Activator Use in Young Adults With Acute Ischemic Stroke

Jodi A Dodds, Ying Xian, Shubin Sheng, Duke Univ, Durham, NC; Gregg Fonarow, UCLA Medical Ctr, Durham, NC; Ronald A Matsouaka, Duke Univ, Durham, NC; Deepak L Bhatt, Brigham and Women's Hosp, Durham, MA; Eric Peterson, Duke Univ, Durham, NC; Lee H Schwamm, Massachusetts General Hosp, Boston, MA; Eric E Smith, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number MP20 / Presentation Number TMP20 Efficacy and Safety of Ticagrelor in Relation to Prior Aspirin Usage in the SOCRATES Trial

KS Lawrence Wong, Chinese Univ of Hong Kong, Shatin, Hong Kong; Pierre Amarenco, Paris Diderot Univ, Paris, France; Gregory W Albers, Stanford Univ, Stanford, CA; Hans Denison, AstraZeneca, Mölndal, Sweden; J Donald Easton, Univ of California, San Francisco, CA; Scott R Evans, Harvard Univ, Boston, MA; Peter Held, Jenny Jonasson, AstraZeneca, Mölndal, Sweden; Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; Per Ladenvall, AstraZeneca, Mölndal, Sweden; Kazuo Minematsu, Natl Cerebral and Cardiovascular Ctr, Suita, Osaka, Japan; Carlos A Molina, Hosp Vall d'Hebron, Barcelona, Spain; Yongjun Wang, Beijing Tiantan Hosp, Beijing, China; S Claiborne Johnston, Univ of Texas at Austin, Austin, TX; SOCRATES Steering Committee and Investigators

#### Poster Board Number MP21 / Presentation Number TMP21

### Intravenous Thrombolysis with Alteplase for Acute Ischemic Stroke in Patients with Thrombocytopenia

Ashkan Mowla, Haris Kamal, Navdeep Lail, Rick Magun, Sandhya Mehla, Annemarie Crumlish, Christopher Deline, Marilou Ching, Robert N Sawyer, State Univ of New York at Buffalo, Buffalo, NY

#### Poster Board Number MP22 / Presentation Number TMP22

### Thrombus Volume as Predictor of Successful Recanalization in the Acute Stroke Patients With Thrombolytic Treatment

Joonsang Yoo, Jang-Hyun Baek, Yonsei Univ Coll of Med, Seoul, Korea, Republic of; Dongbeom Song, Univ of Calgary, Calgary, AB, Canada; Kyoungsub Kim, Young Dae Kim, Hyo Suk Nam, Ji Hoe Heo, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

### Poster Board Number MP23 / Presentation Number TMP23 Intravenous Thrombolysis in Unknown-onset Stroke

Laura Dorado, Hosp Univri Germans Trias i Pujol, Badalona, Spain; Niaz Ahmed, Karolinska Univ Hosp, Stockholm, Sweden; Götz Thomalla, Univ Medical Ctr Hamburg-Eppendorf, Hamburg, Germany; Manuel Lozano, Hosp Univri Germans Trias i Pujol, Badalona, Spain; Branko Malojcic, Univ Hosp Ctr Zagreb, Zagreb, Croatia; Mushtaq Wani, Morriston Hosp, Swansea, United Kingdom; Mònica Millán, Hosp Univri Germans Trias i Pujol, Badalona, Spain; Ales Tomek, Motol Univ Hosp, Prague, Czech Republic; Antoni Dávalos, Hosp Univri Germans Trias i Pujol, Badalona, Spain

#### Poster Board Number MP24 / Presentation Number TMP24

### Analysis of Adjudicated Edema Endpoints in the Glyburide Advantage in Malignant Edema and Stroke (GAMES-RP) Trial

W Taylor Kimberly, Massachusetts General Hosp, Boston, MA; Ruediger von Kummer, Dresden Univ, Dresden, Germany; Andrew Demchuk, Univ of Calgary, Boston, AB, Canada; Javier Romero, Massachusetts General Hosp, Boston, MA; Jordan J Elm, Medical Univ of South Carolina, Charleston, SC; Holly Hinson, Oregon Health and Science Univ, Portland, OR; Bradley J Molyneaux, Univ of Pittsburgh Medical Ctr, Plttsburgh, PA; Kevin Sheth, Yale New Haven Hosp, New Haven, CT

#### Poster Board Number MP25 / Presentation Number TMP25

Effects of Age and Ethnicity on the Benefits and Risks of Low- versus Standard-dose Alteplase in Acute Ischemic Stroke Patients: The Enchanted Trial Xia Wang, The George Inst for Global Health, Sydney, Australia; Thompson Robinson, Univ of Leicester, Leicester, United Kingdom; Hisatomi Arima, Shiga Univ of Medical Sciences, Shiga, Japan; Joseph Broderick, Univ of Cincinnati Neuroscience Inst, Univ of Cincinnati, Cincinnati, OH; Andrew Demchuk, Hotchkiss Brain Inst, Univ of Calgary, Calgary, GA, Canada; Geoffrey Donnan, Univ of Melbourne, Melbourne, Australia; Jong Kim, Univ of Ulsan, Asan Medical Ctr, Seoul, Korea, Republic of; pablo Lavados, Facultad de Medicina, Clinica Alemana Univ del Desarrollo, Santiago, Chile; Tsong Hai Lee, Linkou Chang Gung Memorial Hosp and Coll of Med, Chang Gung Univ, Taoyuan, Taiwan; Richard Lindley, Westmead Clinical Sch, Univ of Sydney, Sydney, Australia; Sheila Martins, Hosp de Clinicas de Porto Alegre, Univ of Rio Grande do Sul, Porto Alegre, Brazil; Jeyaraj Pandian, Christian Medical Coll, Punjab, India; John Chalmers, Craig Anderson, The George Inst for Global Health, Sydney, Australia

Cerebral Large Artery Disease Moderated Poster Tour TMP26 - TMP37

#### **SECTION 3**

Moderator: Seemant Chaturvedi, MD, FAHA, Miami, FL

#### Poster Board Number MP26 / Presentation Number TMP26

### Existence of Neutrophil Extracellular Traps in Arterial Thrombi from Patients with Acute Ischemic Stroke

Wei Li, Huan Wang, Daping Hosp, Third Military Medical Univ, Chongqing, China; Wuwei Feng, Medical Univ of South Carolina, Chongqing, SC; Meng Zhang, Daping Hosp, Third Military Medical Univ, Chongqing, China

#### Poster Board Number MP27 / Presentation Number TMP27

### Role of HIV-related Immune Activation and Plaque Vulnerability: Results From the Brain Arterial Remodeling Study

Madeleine Hunter, Columbia Univ, New York, NY; Adele Shenoy, New York Medical Coll, New York, NY; Mitchell Elkind, James Goldman, Columbia Univ, New York, NY; Susan Morgello, Mount Slnai Sch of Med, New York, NY; Randolph S Marshall, Jose Gutierrez, Columbia Univ, New York, NY

#### Poster Board Number MP28 / Presentation Number TMP28

### Aging Predicts Levels of Antiangiogenic Factors and Stroke in Intracranial Atherosclerosis

Nestor R Gonzalez, Florian Kurth, Raymond J Liou, Shlee Song, Michael J Alexander, Wouter Schievink, Michael Schiraldi, Cedars-Sinai, Los Angeles, CA; Jeffrey Saver, UCLA, Los Angeles, CA

#### Poster Board Number MP29 / Presentation Number TMP29

#### Non-invasive Identification of Culprit Carotid Atheroma Using Sodium Fluoridepositron Emission Tomography

Nicholas R Evans, Jason M Tarkin, Univ of Cambridge, Cambridge, United Kingdom; Mohammed M Chowdhury, Cambridge Univ Hosp NHS Fndn Trust, Cambridge, United Kingdom; Sangam Malani, James H Rudd, Elizabeth A Warburton, Univ of Cambridge, Cambridge, United Kingdom

#### Poster Board Number MP30 / Presentation Number TMP30

#### Antiangiogenesis as a Predictor of Systemic Atherosclerosis

Nestor R Gonzalez, Raymond Liou, Florian Kurth, Shlee Song, Michael J Alexander, Wouter Schievink, Michael Schiraldi, Cedars-Sinai, Los Angeles, CA; Jeffrey Saver, UCLA, Los Angeles, CA

#### Poster Board Number MP31 / Presentation Number TMP31

### Hyperacute Extracranial Internal Carotid Artery Stenting vs Angioplasty: Which is the Best for Recanalization?

Noelia Rodriguez-Villatoro, David Rodriguez-Luna, Marc Ribó, Marian Muchada, Jorge Pagola, Sandra Boned, Jesus M Juega, Stroke Unit, Vall d'Hebron Univ Hosp, Barcelona, Spain; Pilar Coscojuela, Carla Vert, Neuroradiology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Marta Rubiera, Stroke Unit, Vall d'Hebron Univ Hosp, Barcelona, Spain; José Álvarez-Sabin, Neurology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Alejandro Tomasello, Neuroradiology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Carlos A Molina, Stroke Unit, Vall d'Hebron Univ Hosp, Barcelona, Spain

#### Poster Board Number MP32 / Presentation Number TMP32

### Ultrasonography Grading of Internal Carotid Artery Disease: Multi-Parametric DEGUM versus SRU Consensus Criteria

Simon M Winzer, Volker Puetz, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany; Henning Rickmann, Municipal Hosp Karlsruhe, Karlsruhe, Germany; Hagen H Kitzler, Andrij Abramyuk, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany; Christos Krogias, St Josef Hosp, Ruhr Univ Bochum, Bochum, Germany; Henning Strohm, Municipal Hosp München-Neuperlach, Munich, Germany; Ali Rabahi, Jessica Barlinn, Timo Siepmann, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany; Xina Graehlert, Uta Schwanebeck, Technische Univ Dresden, Dresden, Germany; Sebastian Arnold, Municipal Hosp Karlsruhe, Karlsruhe, Germany; Peter Mönnings, St Josef Hosp, Ruhr Univ Bochum, Germany; Lars-Peder Pallesen, Ulf Bodechtel, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Germany; Harald Mudra, St Josef Hosp, Ruhr Univ Bochum, Bochum, Germany; Jennifer Linn, Heinz Reichmann, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany; Georg Gahn, Municipal Hosp Karlsruhe, Karlsruhe, Germany; Norbert Weiss, Kristian Barlinn, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany

#### Poster Board Number MP33 / Presentation Number TMP33

### High Intensity Signal in the Plaque on 3DTOF MRA is Associated With Ischemic Stroke in the Patients With Low Grade Carotid Artery Stenosis

Kiyofumi Yamada, Hyogo Coll of Med, Nishinomiya, Japan; Masanori Kawasaki, Gifu Univ Sch of Med, Gifu, Japan; Shigehiro Nakahara, Yoshikazu Sato, Sato Daiichi Hosp, Usa, Japan; Kazutaka Uchida, Manabu Shirakawa, Shinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan

#### Poster Board Number MP34 / Presentation Number TMP34

### The Challenge and Yield of Racially and Ethnically Diverse Patient Populations in Low Event-Rate Clinical Trials

Alice J Sheffet, Rutgers, The State Univ of New Jersey-New Jersey Medical Sch, Newark, NJ; Albert Sam, Tulane Heart and Vascular Inst, New Orleans, LA; Zafar Jamil, Saint Michael's Hosp, Newark, NJ; Fred Weaver, Univ of Southern CA Hosp & LA County Hosp, Los Angeles, CA; David Chiu, Methodist Hosp, Houston, TX; Jenifer Voeks, Medical Univ of South Carolina, Charleston, SC; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; MeeLee Tom, Susan E Hughes, Linda Flaxman, Rutgers, The State Univ of New Jersey-New Jersey Medical Sch, Newark, NJ; Mary E Longbottom, Thomas G Brott, Mayo Clinic Florida, Jacksonville, FL

#### Poster Board Number MP35 / Presentation Number TMP35

Clinical Stroke Scales in Predicting Large Vessel Occlusion: A Metaanalysis W Y kong, Andrew Choong, Natl Univ Hosp, Singapore, Singapore; Nicholas Syn, Natl Univ Cancer Inst- Dept of Haematology- Oncology, Singapore, Singapore; Vijay K Sharma, Hock Luen Teoh, Benjamin Tan, Leonard L Yeo, Bernard P Chan, Natl Univ Hosp, Singapore, Singapore

### Poster Board Number MP36 / Presentation Number TMP36 Diabetes Mellitus Prevents The Complete Recanalization In Pati

### Diabetes Mellitus Prevents The Complete Recanalization In Patients With Middle Cerebral Artery Occlusion

Junya Aoki, Kazumi Kimura, Nippon Medical Sch, Tokyo, Japan; Naomi Morita, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Masafumi Harada, Tokushima Univ, Tokushima, Japan; Norifumi Metoki, Hirosaki Stroke and Rehabilitation Ctr, Hirosaki, Japan; Yohei Tateishi, Nagasaki Univ Hosp, Nagasaki, Japan; Kenichi Todo, Hiroshi Yamagami, Kobe City Medical Ctr General Hosp, Kobe, Japan; Koji Hayashi, Fukui-ken Saiseikai Hosp, Fukui, Japan; Yuka Terasawa, Koji Fujita, Nobuaki Yamamoto, Tokushima Univ, Tokushima, Japan; Ichiro Deguchi, Norio Tanahashi, Saitama Medical Univ Intl Medical Ctr, Saitama, Japan; Takeshi Inoue, Kawasaki Medical Sch, Kurashiki, Japan; Takeshi Iwanaga, Japanese Red Cross Okayama Hosp, Okayama, Japan; Nobuyuki Kaneko, Okinawa Kyodo Hosp, Okinawa, Japan; Hidetaka Mitsumura, Yasuyuki Iguchi, The Jikei Univ Sch of Med, Tokyo, Japan; Yasushi Ueno, Yoji Kuramoto, Shinko Hosp, Kobe, Japan; Toshiyasu Ogata, Fukuoka Univ, Fukuoka, Japan; Shigeru Fujimoto, Steel Memorial Yawata Hosp, Fukuoka, Japan; Mutsumi Mitomi, Yokohama Sakae Kyosai Hosp, Yokohama, Japan; Shinji Nagahiro, Tokushima Univ, Tokushima, Japan; YAMATO study group

#### Poster Board Number MP37 / Presentation Number TMP37 Prevalence of Carotid Webs in Cryptogenic Stroke

Joel Nunez, Payam Sajedi, Oluwatosin Thompson, Prashant Raghavan, Steven Kittner, Carolyn Cronin, Univ of Maryland Medical Ctr, Baltimore, MD

#### Clinical Rehabilitation and Recovery Moderated Poster Tour

WMP38 - WMP49

#### **SECTION 4**

Moderator: Cathy Stinear, MD, PhD, Auckland, New Zealand

#### Poster Board Number MP38 / Presentation Number TMP38 Virtual Reality in Stroke Rehabilitation: Identifying Responders in Evrest Multicentre Trial

Gustavo Saposnik, St Michael's Hosp, Dept of Med, Univ of Toronto, Toronto, ON, Canada; Steve Cramer, Univ of California, Irvine, CA; Leonardo G Cohen, Natl Insts of Health, Bethesda, WA; Ashley Cohen, Applied Health Res Ctr, Li Ka Shing Knowledge Inst, Toronto, ON, Canada; Andreas laupacis, St Michael's Hosp, Dept of Health Policy, Management and Evaluation, Univ of Toronto, Toronto, ON, Canada; Mark Bayley, Toronto Rehabilitation Inst, Univ of Toronto, Toronto, ON, Canada; on behalf of EVREST Multicenter Investigators & Stroke Outcomes Research Working Group (SORCan)

#### Poster Board Number MP39 / Presentation Number TMP39

### Increasing the Amount of Upper Extremity Rehabilitation in the First Four Weeks Following Stroke: A Feasibility Study

Michelle N McDonnell, Ines Serrada, Susan L Hillier, Univ of South Australia, Adelaide, Australia

#### Poster Board Number MP40 / Presentation Number TMP40

### Sociodemographic Predictors of Return to Home after Inpatient Stroke Rehabilitation

Nneka L Ifejika, Chunyan C Cai, Elizabeth A Noser, McGovern Medical Sch at the Univ of Texas Health Science Ctr at Houston, Houston, TX; James C Grotta, Memorial Hermann Hosp-Texas Medical Ctr, Houston, TX; Sean I Savitz, McGovern Medical Sch at the Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number MP41 / Presentation Number TMP41 High-sensitivity C-Reactive Protein and Depression in Patients With Ischemic Stroke

Irene Katzan, Nicolas Thompson, Ahmed Itrat, Cleveland Clinic Fndn, Cleveland, OH

#### Poster Board Number MP42 / Presentation Number TMP42

#### Safety and Efficacy of High-dose OnabotulinumtoxinA for Post-stroke Upper Limb Spasticity: Results of a Double-blind, Placebo-controlled Trial

Atul T Patel, Kansas City Bone and Joint Clinic, Overland Park, KS; Carolyn Geis, Brooks Rehabilitation Physician Group, Daytona Beach, FL; Katharine Alter, Natl Insts of Health, Bethesda, MD; Grace Pan, Adele Thorpe, Lynn James, Rozalina Dimitrova, Allergan plc, Irvine, CA

#### Poster Board Number MP43 / Presentation Number TMP43

### Therapy Time, Settings and Transitions Across All Post-Acute Care (PAC) Settings in the First Year After Stroke in Medicare Patients

James F Burke, Crystal Feng, Lesli E Skolarus, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number MP44 / Presentation Number TMP44

Personalizing Rehabilitation for Stroke Survivors – A Big Data Approach Swathi Kiran, Jason Godlove, Mahendra Advani, Veera Anantha, Constant Therapy, Newton, MA

#### Poster Board Number MP45 / Presentation Number TMP45

Predicting Long-term Body Function, Activity & Participation After Stroke: The Prevailing Role of Cognition in Determining Functional Outcome

Arunima Kapoor, Krista Lanctot, Mark Bayley, Alex Kiss, Richard Swartz, Univ of Toronto, Toronto, Canada

#### Poster Board Number MP46 / Presentation Number TMP46

### Is There an Effect of Statins on Ischemic Stroke Functional Outcomes in the Oldest Old?

Matthew Alcusky, Univ of Massachusetts Medical, Worcester, MA; Anne L Hume, Univ of Rhode Island, Kingston, RI; Kate L Lapane, Univ of Massachusetts Medical, Worcester, MA

#### Poster Board Number MP47 / Presentation Number TMP47

#### **Identifying Spontaneous Biologic Recovery After Ischemic Stroke**

Richard Leigh, Emi Hitomi, Zurab Nadareishvili, Richard T Benson, Natl Insts of Health, Bethesda, MD; Steven R Zeiler, Johns Hopkins Univeristy, Baltimore, MD; John W Krakauer, Johns Hopkins Univ, Baltimore, MD; The NIH Natural History of Stroke Investigators

#### Poster Board Number MP48 / Presentation Number TMP48

Longitudinal Course of Depressive Symptoms Following Stroke: Preliminary Results From the Discharge Educational Strategies for Reduction of Vascular Events (DESERVE) Study

Emily Goldmann, Bernadette Boden-Albala, New York Univ, New York, NY

#### Poster Board Number MP49 / Presentation Number TMP49

### Depressive Symptoms After Stroke are Linked Longitudinally between Stroke Survivors and Their Family Caregivers

David L Roth, Orla C Sheehan, Jin Huang, Johns Hopkins Univ, Baltimore, MD; J David Rhodes, Suzanne E Judd, Univ of Alabama at Birmingham, Birmingham, AL; William E Haley, Univ of South Florida, Tampa, FL

Community/Risk Factors Moderated Poster Tour II TMP50 - TMP61

#### **SECTION 5**

Moderator: Karen C Johnston, MD, FAHA, Charlottesville, VA

#### Poster Board Number MP51 / Presentation Number TMP51

### Ischemic Stroke in Patient with Primary Brain Tumors: Mechanisms and Risk of Recurrence

Jaclyn E Burch, Neal S Parikh, Hooman Kamel, Dept of Neurology, Weill Cornell Med and Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Lisa M DeAngelis, Memorial Sloan Kettering Cancer Ctr, New York, NY; Babak B Navi, Dept of Neurology, Weill Cornell Med; Clinical Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst; Dept of Neurology, Memorial Sloan Kettering Cancer Ctr, New York, NY

#### Poster Board Number MP52 / Presentation Number TMP52

### Psychiatric Hospitalization Increases Short-Term Risk of Stroke: A Case-Crossover Analysis

Jonah P Zuflacht, Iris Y Shao, Mitchell S Elkind, Columbia Univ, Coll of Physicians & Surgeons, New York, NY; Hooman Kamel, Weill Cornell Medical Coll, New York, NY; Amelia K Boehme, Joshua Z Willey, Columbia Univ, Coll of Physicians & Surgeons, New York, NY

#### Poster Board Number MP53 / Presentation Number TMP53

### Preeclampsia Leads to Long Term Cerebral White Matter Damage and Cortical Atrophy: a Magnetic Resonance Imaging Study

Timo Siepmann, Henry Boardman, Amy Bilderbeck, Ludovica Griffanti, Yvonne Kenworthy, Charlotte Zwager, Univ of Oxford, Oxford, United Kingdom; David McKean, Stoke Mandeville Hosp, Oxford, United Kingdom; Jane Francis, Stefan Neubauer, Grace Z Yu, Adam Lewandowski, Yrsa B Sverrisdottir, Paul Leeson, Univ of Oxford, Oxford, United Kingdom

#### Poster Board Number MP54 / Presentation Number TMP54

#### Seasonal Patterns of Ischemic Stroke in the United States

Stacy Y Chu, Yale Univ, New Haven, CT; Margueritte Cox, Duke Clinical Res Inst, Durham, NC; Gregg C Fonarow, Univ of California Los Angeles, Los Angeles, CA; Eric Smith, Univ of Calgary, Calgary, AB, Canada; Lee H Schwamm, Deepak L Bhatt, Harvard Univ, Boston, MA; Ying Xian, Roland Matsouaka, Duke Clinical Res Inst, Durham, NC; Kevin N Sheth, Yale Univ, New Haven, CT

#### Poster Board Number MP55 / Presentation Number TMP55

### Polysomnographic and Sleep-related Variables Associated to Leukoaraiosis in Patients with Obstructive Sleep Apnea

Kevin R Duque, Brian Villafuerte, Fiorella Adrianzen, Rodrigo Zamudio, Andrea Mendiola, Hypnos Insto del Sueño, Lima, Peru; Tito Navarro, Clínica San Felipe, Lima, Peru; Darwin Vizcarra, Hypnos Insto del Sueño, Lima, Peru

#### Poster Board Number MP56 / Presentation Number TMP56

### Differential Effect of Left versus Right White Matter Hyperintensity Burden on Functional Decline: The Northern Manhattan Study

Mandip S Dhamoon, Icahn Sch of Med at Mount Sinai, New York, NY; Ying-Kuen Cheung, Columbia Univ, New York, NY; Ahmet M Bagci, Univ of Miami, Miami, FL; Dalila Varela, Columbia Univ, New York, NY; Noam Alperin, Univ of Miami, Miami, FL; Mitchell S Elkind, Columbia Univ, New York, NY; Ralph L Sacco, Clinton B Wright, Univ of Miami, Miami, FL

#### Poster Board Number MP57 / Presentation Number TMP57

#### Cerebral Oxygen Metabolism as a Biomarker to Stratify Stroke Risk in Young Adults with Sickle Cell Disease

Andria L Ford, Kristin P Guilliams, Melanie E Fields, Dustin K Ragan, Cihat Eldeniz, Michael M Binkley, Morey Blinder, Yasheng Chen, Monica L Hulbert, Hongyu An, Washington Univ Sch of Med, Saint Louis, MO

#### Poster Board Number MP58 / Presentation Number TMP58

### Determinants of White Matter Hyperintensity in Acute Ischemic Stroke Patients: The MRI-GENIE Study

Anne-Katrin Giese, Markus D Schirmer, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Adrian V Dalca, Ramesh Sridharan, Computer Science and Artificial Intelligence Lab, MIT, Cambridge, MA; Lisa Cloonan, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Huichun Xu, Univ of Maryland Sch of Med, Baltimore, MD; John W Cole, Univ of Maryland Sch of Med and Veterans Affairs Maryland Health Care System, Baltimore, MD: Patrick F McArdle, Univ of Maryland Sch of Med, Baltimore, MD; Joseph P Broderick, Univ of Cincinnati Coll of Med, Cincinnati, OH; Jordi Jimenez-Conde, IMIM-Hosp del Mar (Inst Hosp del Mar d'Investigacions Mèdiques), Univ Autonoma de Barcelona, Barcelona, Spain; Christina Jern, Inst of Biomedicine, the Sahlgrenska Acad at Univ of Gothenburg, Gothenburg, Sweden; Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH: Robin Lemmens, KU Leuven – Univ of Leuven, Leuven, Belgium: Arne Lindgren, Lund Univ, Skåne Univ Hosp, Lund, Sweden; James F Meschia, Mayo Clinic, Jacksonville, FL; Tatjana Rundek, Ralph L Sacco, Miller Sch of Med, Univ of Miami, Miami, FL; Reinhold Schmidt, Medical Univ Graz, Graz, Austria; Pankaj Sharma, Inst of Cardiovascular Res. Royal Holloway Univ of London (ICR2UL), Egham, United Kingdom; Agnieszka Slowik, Jagiellonian Univ Medical Coll, Krakow, Poland; Vincent Thijs, Melbourne Brain Ctr, Florey Inst of Neuroscience and Mental Health, Heidelberg, Australia; Daniel Woo, Univ of Cincinnati Coll of Med, Cincinnati, OH; Bradford B Worrall, Univ of Virginia, Charlottesville, VA: Ona Wu, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Steven J Kittner, Univ of Maryland Sch of Med and Veterans Affairs Maryland Health Care System, Baltimore, MD; Braxton D Mitchell, Univ of Maryland Sch of Med. Veterans Admin Medical Ctr. Baltimore, MD; Jonathan Rosand, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Polina Golland, Computer Science and Artificial Inte

#### Poster Board Number MP59 / Presentation Number TMP59

#### Interplay of Racial and Geographical Differences in Stroke Type and Risk Factors Among Indigenous West Africans; African Americans and European Americans

Mayowa Owolabi, Univ of Ibadan, Ibadan, Nigeria; George Howard, UAB, Birmingham, AL; Mulugeta Gebregziabher, Medical Univ of South Carolina, Charleston, SC; Fred Sarfo, Kwame Nkruma Univ of Technology, Kumasi, Ghana; Ryan Irvin, UAB, Birmingham, AL; Kevin Armstrong, Medical Univ of South Carolina, Birmingham, AL; Rufus Akinyemi, Univ of Ibadan, Ibadan, Nigeria; Hemant Tiwari, UAB, Birmingham, AL; Dan Lackland, Medical Univ of South Carolina, Charleston, SC; Aleena Bennett, UAB, Birmingham, AL; Donna Arnett, Univ of Kentucky, Lexington, KY; Virginia Howard, UAB, Birmingham, AL; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number MP60 / Presentation Number TMP60

A Prospective Study of Serum Metabolites and Risk of Ischemic Stroke
Bing Yu, Univ of Texas Health Science Ctr at Houston, Houston, TX; Rebecca F
Gottesman, Johns Hopkins Univ, Baltimore, MD; Thomas H Mosley, Univ of
Mississippi Medical Ctr, Jackson, MS; Eric Boerwinkle, Myriam Fornage, Univ of
Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number MP61 / Presentation Number TMP61

### Preliminary Results of a Population Based Outcomes Pilot Study: the Greater Cincinnati/Northern Kentucky Stroke Study

Brett M Kissela, Kathleen A Alwell, Univ of Cincinnati, Cincinnati, OH; Jane Khoury, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Charles J Moomaw, Mary Haverbusch, Daniel Woo, Mattheh L Flaherty, Michael Star, Univ of Cincinnati, Cincinnati, OH; Stacie L Demel, Michigan State Univ, Lansing, MI; Simona Ferioli, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Indianapolis, IN; Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH

#### **SECTION 6**

Moderator: Bruce Campbell, MBBS, Parkville, Australia

#### Poster Board Number MP62 / Presentation Number TMP62

### Utility of the Los Angeles Motor Scale to Identify Emergency Large Vessel Occlusion in Acute Stroke

Prasannna Tadi, Pranav Reddy, Sravanthi Pemmasani, Nasir Fakhri, Matthew Siket, Mahesh V Jayaraman, Ryan McTaggart, Ali Saad, Shadi Yaghi, Jason T Machan, Brian Silver, Brown Univ, Providence, RI

#### Poster Board Number MP63 / Presentation Number TMP63

### Large Vessel Occlusion Triage Scales Struggle With Atypical Presentations but Misclassifications Are Rarely Detrimental

Henry Zhao, Royal Melbourne Hosp, Melbourne, Australia; Skye Coote, Helen M Dewey, Eastern Health, Melbourne, Australia; Stephen M Davis, Bruce C Campbell, Royal Melbourne Hosp, Melbourne, Australia

#### Poster Board Number MP64 / Presentation Number TMP64

### Single Stroke Symptoms Cannot Predict Large Vessel Occlusion in Patients With Acute Ischemic Stroke With a High Reliability

Jon Schrock, MetroHealth Medical Ctr, Cleveland, OH; Ashley Markowski, Lake Erie Coll of Osteopathic Med, Erie, PA

#### Poster Board Number MP65 / Presentation Number TMP65

### Depth of Hospital Participation in Telestroke is Associated with Faster Door-to-Needle Time for Stroke Patients

Arianna Moreno, Arizona State Univ, Phoenix, AZ; Khawja A Saddiqui, Baylor Univ, Houston, TX; Anand Viswanathan, Cynthia Whitney, Natalia Rost, Lee H Schwamm, Kori Sauser Zachrison, Massachusetts General Hosp, Boston, MA

#### Poster Board Number MP66 / Presentation Number TMP66

#### Safety of Urgent Computed Tomographic Angiography in the Evaluation of Patients with Acute Stroke

Rami A Aziz, Sharjeel Panjwani, Mouhammad A Jumaa, Univ of Toledo Medical Ctr, Toledo, OH; Julie Shawver, Promedica The Toledo Hosp, Toledo, OH; Syed F Zaidi, Univ of Toledo Medical Ctr, Toledo, OH

#### Poster Board Number MP67 / Presentation Number TMP67

### Impact of Pre-Hospital Stroke Alerts and Parallel Process on Door-to-Puncture Times in Large Vessel Occlusion

Brijesh P Mehta, Memorial Healthcare System, Hollywood, FL; Raul G Nogueira, Emory Univ Sch of Med, Atlanta, GA; Mayank Goyal, Bijoy K Menon, Eric E Smith, Univ of Calgary, Calgary, AB, Canada; Randy Katz, Peter Antevy, Memorial Healthcare System, Hollywood, FL; Ashutosh P Jadhav, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Thabele M Leslie-Mazwi, Massachusetts General Hosp, Boston, MA; Ronil V Chandra, Monash Univ, Melbourne, Australia; Hoang D Duong, Memorial Healthcare System, Hollywood, FL; Mark Ellis, Hallandale Beach EMS, Hallandale Beach, FL; Timothy S Roche, Miramar EMS, Miramar, FL; Albert J Yoo, Texas Stroke Inst, Dallas, TX

#### Poster Board Number MP68 / Presentation Number TMP68

### Expanding a Learning Collaborative Model in Chicago to Improve Door to Needle for Stroke Thrombolysis: Raising the Bar

Shyam Prabhakaran, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Renee M Sednew, Kathleen O'Neill, American Heart Association, Midwest Affiliate, Chicago, IL

#### Poster Board Number MP69 / Presentation Number TMP69

### Incidence of Intracranial Hemorrhage After Intravenous Thrombolysis in Telestroke

Nabeel A Herial, Evan M Fitchett, Maureen DePrince, Giuliana Labella, Kimon Bekelis, Matthew Reynolds, Pascal M Jabbour, Robert H Rosenwasser, Stavropoula I Tioumakaris, Thomas Jefferson Univ, Philadelphia, PA

#### Poster Board Number MP70 / Presentation Number TMP70

### The Emergency Department Screen is Associated with Lower Rates of Pneumonia in Acute Hemorrhagic Stroke Patients

Jon Schrock, MetroHealth Medical Ctr, Cleveland, OH; Benjamin Ball, Case Western Reserve Univ Coll of Med, Cleveland, OH

#### Poster Board Number MP71 / Presentation Number TMP71

### Increasing Prevalence of Secondary Intracerebral Hemorrhage in Acute Ischemic Stroke

Fadar O Otite, Anita Tipirneni, Priyank Khandelwal, Amer M Malik, Kristine O'phelan, Univ of Miami/Jackson Memorial Hosp, Miami, FL

#### Poster Board Number MP72 / Presentation Number TMP72

### Modeling the Impact of Interhospital Transfer Protocol Design on Mechanical Thrombectomy Eligibility and Outcomes in a Large Metropolitan Area

Neal S Parikh, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Abhinaba Chatterjee, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Benjamin R Kummer, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Biomedical Informatics, Columbia Univ, New York, NY; Saad A Mir, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Michael P Lerario, Clinical and Translational Neuroscience nit, Feil Family Brain and Mind Res Inst and Dept of Neurology, New York-Presbyterian Queens, New York, NY; Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP73 / Presentation Number TMP73

# Intra-arterial Transfer Time Metrics Study—Southern California Kaiser Permanente and University of Texas Houston Telestroke Network Experience Tzu-Ching Wu, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Navdeep Sangha, Kaiser Permanente, LAMC, Los Angeles, CA; Feryal N Elorr, The Univ of Texas Health Science Ctr at Houston, TX; Edgar Olivas, Kaiser Permanente, LAMC, Los Angeles, CA; Christy M Ankrom, Shima Borzorgui, Arvind B Bambhroliya, Amanda L Jagolino, Tiffany D Cossey, Sean I Savitz, The Univ of Texas Health Science Ctr at Houston, Houston, TX

Health Services, Quality Improvement, and TMP74 – TMP89
Patient-Centered Outcomes Moderated Poster Tour II

#### **SECTION 7**

Moderator: Lee Schwamm, MD, FAHA, Boston, MA

#### Poster Board Number MP74 / Presentation Number TMP74

Evaluation of NIHSS-Onset to Groin Time and Prehospital Acute Stroke Severity Scale-onset to Groin Time Scores in Prediction of Outcomes After Endovascular Treatment in Acute Ischemic Stroke Patients: A Retrospective Single-center Study

Muhammad H Niazi, Mohammad El-Ghanem, Kevin Cockroft, Kathy Morrison, Alicia Richardson, Reichwein Raymond, David Ermak, Hershey Medical Ctr Penn State Univ, Hershey, PA

#### Poster Board Number MP75 / Presentation Number TMP75

### Recanalization Therapy is Associated with Lower Odds of 30-Day Readmission: An Analysis of the Nationwide Readmission Database

Farhaan Vahidy, UT-HSC, Houston, TX; John Donnelly, Univ of Alabama, Birmingham, TX; Louise McCoullough, Charles Miller, Jon Tyson, Sean Savitz, UT-HSC, Houston, TX; Karen Albright, Univ of Alabama, Birmingham, TX

#### Poster Board Number MP76 / Presentation Number TMP76

### Stroke Quality-of-care Metrics in Comprehensive and Primary Stroke Centers and Non-stroke Centers

Adam S Jasne, Univ of Cincinnati, Cincinnati, OH; Heidi Sucharew, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Kathleen Alwell, Charles J Moomaw, Matthew Flaherty, Opeolu Adeoye, Daniel Woo, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Bloomington, IN; Simona Ferioli, Univ of Cincinnati, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Felipe de los Rios la Rosa, Baptist Health Neuroscience Ctr, Miami, FL; Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number MP77 / Presentation Number TMP77

### Race and Sex Differences in tPA Utilization Among Older Ischemic Stroke Patients

Michael Lyerly, Univ of Alabama at Birmingham, Birmingham, AL; Farhaan Vahidy, Univ of Texas-Houston, Houston, TX; John Donnelly, Katrina Booth, Karen C Albright, Univ of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number MP78 / Presentation Number TMP78

### Time From Consult Page to Tissue Plasminogen Activator Treatment Over Telestroke Decreases With Experience

Amanda L Jagolino, Shima Bozorgui, Arvind B Bambhroliya, Christy M Ankrom, TC D Cossey, Alyssa D Trevino, Sean I Savitz, Tzu Ching Wu, Farhaan Vahidy, The Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number MP79 / Presentation Number TMP79

Does Race or Socioeconomic Class Matter in Socialized Medicine? A Retrospective Analysis of Stroke cost and outcomes in US Military Health Care System

James Price, Matthew Blattner, Walter Reed NMMC, Bethesda, MD; John Holtkamp, Greenville/Emporia Social Services, Emporia, VA; Matthew Holtkamp, Carl R Darnall Army Medical Ctr. Fort Hood, TX

#### Poster Board Number MP80 / Presentation Number TMP80

Urban and Rural Differences in Process of Care and Outcomes Among Patients With Acute Ischemic Stroke: Results From China National Stroke Registry II Hongqiu Gu, Zixiao Li, Chunjuan Wang, Caiyun Wang, Xin Yang, Xinmiao Zhang, Yuesong Pan, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Xudong Ma, Natl Health and Family Planning Commission, Bureau of Medical Admin, Beijing, China; Liping Liu, Xingquan Zhao, Yilong Wang, Yongjun Wang, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number MP81 / Presentation Number TMP81

Regional, Race-Ethnic and Sex Disparities in Lifestyle Interventions: Data from the Florida Puerto Rico Collaboration to Reduce Stroke Disparities (FL-PR CReSD) Study – the NINDS Stroke Prevention Intervention Research Program Maria A Ciliberti-Vargas, Kefeng Wang, Sofia Oluwole, Erika Marulanda-Londoño, Maranatha Ayodele, Chuanhui Dong, Carolina M Gutierrez, Univ of Miami Miller Sch of Med, Miami, FL; W Scott Burgin, Univ of South Florida, Tampa, FL; Dianne Foster, American Heart Association, Marietta, GA; Enid J Garcia-Rivera, Juan Gonzalez-Sanchez, Univ of Puerto Rico Sch of Med, San Juan, PR; Mary Robichaux, Univ of Miami Miller Sch of Med, Miami, FL; Salina P Waddy, Natl Insts of Health, Bethesda, MD; Juan Carlos Zevallos, Florida Intl Univ, Miami, FL; Jose G Romano, Tatjana Rundek, Ralph L Sacco, Sebastian Koch, Univ of Miami Miller Sch of Med, Miami, FL; for the FL-PR CReSD Investigators and Collaborators

#### Poster Board Number MP82 / Presentation Number TMP82

### National Stroke Registry is Feasible and Improves Stroke Care and Training in Nigeria: A Pilot Experience

Rufus Akinyemi, Univ of Ibadan, Ibadan, Nigeria; Philip Adebayo, Ladoke Akintola Univ of Technology, Ogbomoso, Nigeria; Lukman Owolabi, Bayero Univ, Kano, Nigeria; Reginald Obiako, Ahmadu Bello Univ, Zaria, Nigeria; Kolawole Wahab, Univ of Ilorin, Ilorin, Nigeria; Obiabo Olugbo, Delta State Univ, Oghara, Nigeria; Onoja Akpa, Sylvia Melikam, Joshua Akinyemi, Univ of Ibadan, Ibadan, Nigeria; Morenikeji Komolafe, Obafemi Awolowo Univ, Ile Ife, Nigeria; Paul Olowoyo, Federal Medical Ctr, Ido, Nigeria; Ijezie Chukwuonye, Federal Medical Ctr, Umuahia, Nigeria; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC; Mayowa Owolabi, Univ of Ibadan, Ibadan, Nigeria

#### Poster Board Number MP83 / Presentation Number TMP83 Long-term Risk of Venous Thromboembolism After Stroke

Santosh B Murthy, Alexander E Merkler, Gino Gialdini, Abhinaba Chatterjee, Costantino ladecola, Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP84 / Presentation Number TMP84

Percutaneous Gastrostomy Tube, but not Tracheostomy, Predicts 30-Day Readmissions in Spontaneous Intracerebral Hemorrhage: An Analysis of the 2013 Nationwide Readmissions Database

Angela Hays Shapshak, John P Donnelly, Univerisity of Alabama at Birmingham, Birmingham, AL; Farhaan Vahidy, Univ of Texas-Health Science Ctr at Houston, Houston, TX; Karen C Albright, University of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number MP85 / Presentation Number TMP85

### Frequency and Utility of Repeat Cerebrovascular Imaging Among Hospitalized Stroke Patients

Syed Ali Raza, Vijay Javalkar, Emory Univ, Atlanta, GA; Seena Dehkharghani, New York Univ, Atlanta, GA; Archana Kudrimoti, Amit Saindane, Mark Mullins, Fadi Nahab, Emory Univ, Atlanta, GA

In-hospital Treatment & Vascular Cognitive Impairment Moderated Poster Tour

**TMP86 - TMP97** 

#### SECTION 8

Moderator: Panayiotis Mitsias, MD, PhD, Detroit, MI

#### Poster Board Number MP86 / Presentation Number TMP86

Early Microvascular Cerebral Blood Flow Response to Head-of-bed Elevation is Related to Outcome in Acute Ischemic Stroke: A Diffuse Correlation Spectroscopy Study

Clara Gregori-Pla, ICFO-Inst of Photonic Sciences, Castelldefels, Spain; Raquel Delgado-Mederos, Pol Camps-Renom, Hosp de la Santa Creu i Sant Pau (Barcelona, Spain), Barcelona, Spain; Peyman Zirak, Igor Blanco, Gianluca Cotta, ICFO-Inst of Photonic Sciences, Castelldefels, Spain; Luís Prats-Sánchez, Alejandro Martínez-Domeño, Hosp de la Santa Creu i Sant Pau (Barcelona, Spain), Barcelona, Spain; Isabel Serra, Ctr de recerca Matemàtica (CRM), Univ Autònoma de Barcelona, Bellaterra, Spain; Joan Martí-Fàbregas, Hosp de la Santa Creu i Sant Pau (Barcelona, Spain), Barcelona, Spain; Turgut Durduran, ICFO-Inst of Photonic Sciences, Castelldefels, Spain

#### Poster Board Number MP87 / Presentation Number TMP87

Early Surgery for Infective Endocarditis with Stroke Does Not Increase Postoperative Neurological Complications: What are We Waiting For? Lucy Q Zhang, Sung Cho, Robert Marquardt, Prateek Thatikunta, M Shazam Hussain, Ken Uchino, Dolora Wisco, Cleveland Clinic Fndn, Cleveland, OH

#### Poster Board Number MP88 / Presentation Number TMP88

Male Gender Predicts Ultrafast Administration of Intravenous Tissue Plasminogen Activator in a Twenty-Six Hospital Network Archit Bhatt, Lindsay Lucas, Elizabeth Baraban, Providence Brain and Spine Inst, Portland, OR

# Poster Board Number MP89 / Presentation Number TMP89 Collaterals and Reperfusion Mediate Blood Pressure Changes in Acute Ischemic Stroke

David S Liebeskind, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Jason D Hinman, Neurovascular Imaging Res Core, Los Angeles, CA; Radoslav Raychev, Latisha K Sharma, Doojin Kim, Neal M Rao, Sidney Starkman, Reza Jahan, Viktor Szeder, Satoshi Tateshima, Gary R Duckwiler, Jeffrey L Saver, UCLA, Los Angeles, CA; Fabien Scalzo, Neurovascular Imaging Res Core, Los Angeles, CA; for the UCLA Stroke Investigators

#### Poster Board Number MP90 / Presentation Number TMP90

### Trends in Tracheostomy after Stroke: Analysis of the 1993-2013 Nationwide Inpatient Sample

Abhinaba Chatterjee Sr, Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med, New York, NY; Santosh Murthy, Hooman Kamel, Alexander E Merkler, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP91 / Presentation Number TMP91

Prediction of Recurrent Embolism and Major Hemorrhage in Patients With Acute Stroke and Atrial Fibrillation by Risk Stratification Schema: The Alessa Score Study

Maurizio Paciaroni, Stroke Unit, Perugia, Italy; RAF Study Investigators

#### Poster Board Number MP92 / Presentation Number TMP92

#### Characteristic Brain MRI Features of Manifesting Heterozygotes With Cerebral Autosomal Recessive Arteriopathy With Subcortical Infarcts and Leukoencephalopathy

Masahiro Uemura, Brain Res Inst (BRI), Niigata Univ, Niigata, Japan; Hiroaki Nozaki, Niigata Univ, Niigata, Japan; Yumi Sekine, Brain Res Inst (BRI), Niigata Univ, Niigata, Japan; Ikuko Mizuta, Kyoto Prefectural Univ of Med, Kyoto, Japan; Tomoko Noda, Ichinomiya Municipal Hosp, Aichi, Japan; Kazuhide Miyazaki, Shiseikai-Daini Hosp, Tokyo, Japan; Muichi Kaito, Kanazawa Medical Univ, Kanazawa, Japan; Yoshinori Nishimoto, Keio Univ Sch of Med, Tokyo, Japan; Yutaka Shimoe, Kashima Rosai Hosp, Ibaraki, Japan; Akiko Shirata, Kiyomi Yamane, Ohta Atami Hosp, Fukushima, Japan; Sohei Yanagawa, Iida Municipal Hosp, Nagano, Japan; Mikio Hirayama, Kasugai Municipal Hosp, Aichi, Japan; Masato Tamura, Nagaoka-Nishi Hosp, Niigata, Japan; Toshiki Mizuno, Kyoto Prefectural Univ of Med, Kyoto, Japan; Masatoyo Nishizawa, Osamu Onodera, Brain Res Inst (BRI), Niigata Univ, Niigata, Japan

#### Poster Board Number MP93 / Presentation Number TMP93

### Hypertension is Associated with Disruption of White Matter Tracts in Healthy Middle-aged Persons at Risk for Vascular Disease

Yousef Hannawi, The Ohio State Univ, Columbus, OH; Lisa R Yanek, Brian G Kral, Dhananjay Vaidya, Lewis C Becker, Diane M Becker, Paul A Nyquist, Johns Hopkins Univ. Baltimore. MD

#### Poster Board Number MP94 / Presentation Number TMP94

### Outcomes in Hospitalized Stroke and TIA Patients with Dementia – A Population-based Study

Charlotte Zerna, Univ of Calgary, Calgary, AB, Canada; Patrice Lindsay, Heart and Stroke Fndn, Ottawa, ON, Canada; Jiming Fang, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Richard H Swartz, Sunnybrook Health Sciences Ctr, Toronto, ON, Canada; Eric E Smith, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number MP95 / Presentation Number TMP95

### Small Vessel Disease Burden and Clinical Symptoms in Cerebral Amyloid Angiopathy Patients Presenting Without Symptomatic Hemorrhage

Gregoire Boulouis, Andreas Charidimou, Michael J Jessel, Li Xiong, Duangnapa Roongpiboonsopit, Panagiotis Fotiadis, Marco Pasi, Alison Ayres, M Emily Merrill, Kristin M Schwab, Jonathan Rosand, M Edip Gurol, Steven M Greenberg, Anand Viswanathan, Massachusetts General Hosp, Boston, MA

#### Poster Board Number MP96 / Presentation Number TMP96

#### **Neuroinflammatory Mechanism of Vascular Cognitive Impairment**

Catherine M Davis, Oregon Health & Science Univ, Portland, OR; Gil Benedek, VA Portland Health Care System, Oregon Health & Science Univ, Portland, OR; Sydney Weber, Natalie Roese, Wenri Zhang, Jacob Raber, Oregon Health & Science Univ, Portland, OR; Halina Offner, VA Portland Health Care System, Oregon Health & Science Univ, Portland, OR; Nabil J Alkayed, Oregon Health & Science Univ, Portland, OR

#### Poster Board Number MP97 / Presentation Number TMP97

### Demyelination, Cognition and Imaging in a Translational Model of Rat Vascular Cognitive Impairment

Manan Nath, SUNY Downstate Medical Ctr, Brooklyn, NY; Mark E Wagshul, Albert Einstein Coll of Med, Bronx, NY; Janina Ferbinteanu, Daniel M Rosenbaum, Pradeep Selvan, Chidinma Anyanwu, Jie Li, Frank C Barone, SUNY Downstate Medical Ctr, Brooklyn, NY

#### **Preventive Strategies Moderated Poster Tour**

TMP98 - TMP109

#### **SECTION 9**

Moderator: Jason Sico, MD, Guilford, CT

#### Poster Board Number MP98 / Presentation Number TMP98

Could Mobile Health be an Effective Strategy for Enhancing Stroke Prevention? Shimeng Liu, Wuwei Feng, Pratik Y Chhatbar, Bruce I Ovbiagele, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number MP99 / Presentation Number TMP99

Farmalarm: App for Mobile Devices Improves Risk Factor Control After Stroke Marc Ribo, Estefania montiel, Estela Sanjuan, Mireia Sanchis, Marta Rubiera, Marian Muchada, Sandra Boned, Jesus Juega, Noelia Rodriguez, David Rodriguez-Luna, Jorge Pagola, Carlos Molina, Unitat Neurovascular Hosp Vall d'Hebron, Barcelona, Spain

#### Poster Board Number MP100 / Presentation Number TMP100

### Outpatient Statin Adherence is Associated with Reduced Recurrent Stroke Risk in Patients with or without Atrial Fibrillation

Alexander C Flint, Kaiser Permanente, Redwood City, CA; Carol Conell, Kaiser Permanente, Oakland, CA; Xiushui Ren, Sheila L Chan, Vivek A Rao, Kaiser Permanente, Redwood City, CA; Hooman Kamel, Cornell Univ, New York, NY; S Claiborne Johnston, Univ of Texas at Austin, Austin, TX

#### Poster Board Number MP101 / Presentation Number TMP101

# Mail Order Pharmacy Use is Associated With Greater Adherence to Secondary Preventive Medications and Lower Hospital Readmission Among Stroke Patients

William P Neil, Chrislynn E Shiokari, Kaiser Permanente, San Diego, CA; Raoul J Burchette, Kaiser Permanente, Pasadena, CA; David B Stapleton, Kaiser Permanente, Downey, CA; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number MP102 / Presentation Number TMP102

### Inappropriate Dosing of Oral Anticoagulants among Patients With Non-Valvular Atrial Fibrillation

Sulena Shrestha, STATinMED Res, Plano, TX; Onur Baser, Ctr for Innovation and Outcomes Res, Columbia Univ and STATinMED Res, New York, NY; Xinxiang Zhou, STATinMED Res, Plano, TX; W Jackie Kwong, Daiichi Sankyo, Inc, Parsippany, NJ

#### Poster Board Number MP103 / Presentation Number TMP103

# A Culturally-tailored, Skills-based Intervention to Reduce Vascular Risk in a Multi-ethnic Group of Mild/Moderate Stroke Survivors: An Interim Analysis from the DESERVE Trial

Bernadette Boden-Albala, Emily Goldmann, Aaron S Lord, Nina S Parikh, Heather M Kuczynski, New York Univ, New York, NY; Stanley Tuhrim, Mount Sinai Hosp, New York, NY

#### Poster Board Number MP104 / Presentation Number TMP104

# The Effect of Hypothetical Lifestyle Strategies on the Long-term Risk of Stroke Priyanka Jain, Harvard TH Chan Sch of Public Health, Boston, MA; Claudia K Suemoto, Univ of Sao Paulo Medical Sch, Sao Paulo, Brazil; Kathryn Rexrode, Brigham and Women's Hosp, Boston, MA; Goodarz Danaei, Miguel A Hernan, Harvard TH Chan Sch of Public Health. Boston. MA

#### Poster Board Number MP106 / Presentation Number TMP106

### Relationship Between Smoking and the Development of Extracranial and Intracranial Arteriosclerotic Stenosis

Ruijun Ji, Yongjun Wang, Tiantan Hosp, Beijing, China

#### Poster Board Number MP107 / Presentation Number TMP107

### Regular Dental Care Reduces the Risk for Ischemic Stroke: Atherosclerosis Risk in Communities (ARIC) Study

Lauren Giamberardino, USC Sch of Med, Columbia, SC; Steven Offenbacher, Kevin Moss, UNC Chapel Hill Sch of Dentistry, Chapel Hill, NC; Wayne Rosamond, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Souvik Sen, USC Sch of Med, Columbia, SC

#### Poster Board Number MP108 / Presentation Number TMP108

# Rates and Predictors of 1 Year of Readmission with Seizures in Patients with Stroke and Stroke Subtypes: Analysis of a National Cohort of 557,033 Stroke Patients

Saqib A Chaudhry, Michigan State Univ, Lansing, MI; Mohammad Rauf Mohammad, Zeenat Qureshi Stroke Inst, St Cloud, MI; Shitong Gu, Michigan State Univ, Lansing, MI; Burhan Chaudhry, Cerebrovascular Ctr Cleveland Clinic, Cleveland, OH; Ahmed Riaz, Zeenat Qureshi Stroke Inst, St Cloud, MN; Ali Saeed, Adnan Safdar, Mounzer Kassab, Adnan I Qureshi, Michigan State Univ, Lansing, MI

Vascular Biology in Health and Disease & TMP110 - TMP121 Vascular Malformations Moderated Poster Tour

#### **SECTION 10**

Moderator: Ladislav Pazdera, MD, Rychnov nad Kneznou, Czech Republic

# Poster Board Number MP110 / Presentation Number TMP110 Outcomes After Intracerebral Hemorrhage in Patients With Arteriovenous Malformations

Santosh Murthy, Alexander E Merkler, Setareh S Omran, Gino Gialdini, Costantino ladecola, Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number MP111 / Presentation Number TMP111

Thalidomide and Lenalidomide Treatment Reduces Microhemorrhage in Brain Arteriovenous Malformation in Mice Through Increasing Mural Cell Coverage Wan Zhu, Dingquan Zou, Wanqiu Chen, Chen Bao, Rui Zhang, Lei Zhan, Zhengxi Li, Meng Zhang, Ethan Winkler, Michael T Lawton, Hua Su, Univ of California, San Francisco, San Francisco, CA

#### Poster Board Number MP112 / Presentation Number TMP112

Subsequent Hemorrhage in Children With Untreated Brain Arteriovenous Malformation: Higher Risk With Unbalanced Inflow and Outflow Angioarchitecture

Li Ma, Yu Chen, Yuanli Zhao, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number MP113 / Presentation Number TMP113

### Deletion of Alk1 Gene in Bone Marrow-Derived Endothelial Cells is Sufficient to Cause Brain Arteriovenous Malformation in Mice

Man Luo, Qiang Li, Li Ma, Rui Zhang, Lei Zhan, Michael T Lawton, Hua Su, Univ of California, San Francisco, San Francisco, CA

#### Poster Board Number MP114 / Presentation Number TMP114

### Interrogation of Brain Endothelial Cell Gene Expression Reveals Cyclooxygenase-2 as a Therapeutic Target After Subarachnoid Hemorrhage

Michael K Tso, Univ of Calgary, Calgary, AB, Canada; Paul J Turgeon, Bert Bosche, Charles K Lee, Tian Nie, Josephine A D'Abbondanza, Jinglu Ai, Philip A Marsden, Robert L Macdonald, Univ of Toronto, Toronto, ON, Canada

#### Poster Board Number MP115 / Presentation Number TMP115

# Nox-2 and Cerebrovascular Function in Metabolic Syndrome After a Stroke Paul D Chantler, Stephen D Brooks, Kayla W Branyan, Shin Asano, Xuefang Ren, West Virginia Univ, Morgantown, WV; Patrick J Pagano, Univ of Pittsburgh, Pittsburgh, PA; Eric E Kelley, West Virginia Univ, Morgantown, WV; Jefferson C Frisbee, Western Univ,

London, ON, Canada

Poster Board Number MP116 / Presentation Number TMP116

White Matter Hyperintensity Lesion Patterns in Patients With Cardioembolic

Yunis M Mayasi, Univ of Massachusetts, Worcester, MA; Johana Helenius, Harvard Medical Sch, Boston, MA; Nils Henninger, Univ of Massachusetts, Worcester, MA

#### Poster Board Number MP117 / Presentation Number TMP117

### Preclinical and Early Clinical Characterization of a Parenterally Administered Direct Factor XIa Inhibitor

Joseph M Luettgen, Pancras C Wong, Vidya Perera, Zhaoqing Wang, Cesare Russo, Wei Chen, Stephanie M Dorizio, Charles E Frost, Elizabeth A Dierks, Donald J Pinto, William R Ewing, Ruth R Wexler, Mary M DeSouza, Frank LaCreta, David A Gordon, Dietmar A Seiffert, Robert J Frost, Bristol-Myers Squibb, Princeton, NJ

#### Poster Board Number MP118 / Presentation Number TMP118

#### Potential Therapeutic Benefits of Perlecan Domain V in Preclinical Vascular Dementia and Cerebral Angiopathy

Amanda L Trout, Zuohui Zhang, Jill Roberts, Gillian Grohs, Ela Patel, Pete Nelson, Anika M Hartz, Greg J Bix, Univ of Kentucky, Lexington, KY

#### Poster Board Number MP119 / Presentation Number TMP119

### Early Cerebral Ischemic Events in Symptomatic Carotid Stenosis are Related to Plaque Inflammation

Prakash R Paliwal, Arvind K Sinha, Hock L Teoh, James Hallinan, Zhengdao Du, Zhengdao Du, Jin T Chen, Eric YS Ting, Lily Y Wong, Bernard PL Chan, Vijay K Sharma, Natl Univ of Singapore, Singapore, Singapore

#### Poster Board Number MP120 / Presentation Number TMP120

### Genetic, Environmental and Stochastic Factors Contribute to Variation in the Posterior Communicating Collaterals of the Circle of Willis

James E Faber, Wojciech Rzechorzek, Kathy Z Dai, Benjamin T Summers, Cooper N Blazek, Samuel J Hedges, Hua Zhang, Univ of North Carolina Sch of Med, Chapel Hill. NC

#### Poster Board Number MP121 / Presentation Number TMP121

### Gender Differences in Functional Outcomes After Acute Ischemic Stroke: The Role of White Matter Structural Integrity

Mark Etherton, Massachusetts General Hosp, Boston, MA; Ona Wu, Athinoula A Martinos Ctr for Biomedical Imaging, Boston, MA; Pedro Cougo, Ribeirao Preto Medical Sch, Sao Paulo, Brazil; Anne-Katrin Giese, Lisa Cloonan, Massachusetts General Hosp, Boston, MA; Kaitlin Fitzpatrick, Tufts Univ Medical Ctr, Boston, MA; Allison Kanakis, Massachusetts General Hosp, Boston, MA; Gregoire Boulouis, Ctr Hospier Sainte-Anne, Paris, France; Hasan Karadeli, Bezmialem Vakif Univ, Istanbul, Turkey; Arne Lauer, Jonathan Rosand, Massachusetts General Hosp, Boston, MA; Karen Furie, Rhode Island Hosp, Providence, RI; Natalia Rost, Massachusetts General Hosp, Boston, MA

#### POSTER SESSION II

#### THURSDAY, FEBRUARY 23 6:15 PM - 6:45 PM

Hall E

These posters are not included in the Thursday 5:15 pm Professor-Led Poster Tour Session.

#### **Acute Endovascular Treatment Posters II**

TP1 - TP34

#### Poster Board Number P1 / Presentation Number TP1

The Promising System to Support Rural Area Where No Intervenitionists to Perform Embolectomy for Acute Ischemic Stroke "Drive and Retrieve Method" Toshiya Osanai, Hokkaido Univ, Sapporo, Japan

#### Poster Board Number P2 / Presentation Number TP2

# Disparities in Delivery of Endovascular Therapy: Who Gets it and Where? The Florida Puerto Rico Collaboration to Reduce Stroke Disparities Study Negar Asdaghi, Univ of Miami, Miami, FL; Lais Granzoti Cintra, Boston Univ, Boston, MA; Kefeng Wang, Maria A Ciliberti-Vargas, Sebastian Koch, Hannah Gardener, Chuanhui Dong, Erika Marulanda-Londono, Univ of Miami, Miami, FL; David Z Rose, Univ of South Florida, Tampa, FL; Salina P Waddy, Natl Insts of Health, Bethesda, MD; Nils Mueller-Kronast, St Mary's Medical Ctr, West Palm Beach, FL; Mary Robichaux, Univ of Miami, Miami, FL; Dianne Foster, American Heart Association, Marietta, GA; Enid J Garcia, Univ of Puerto Rico, San Juan, PR; Tatjana Rundek, Ralph L Sacco, Jose G Romano, Univ of Miami, Miami, FL; for the FL-PR CReSD Investigators and Collaborators

#### Poster Board Number P3 / Presentation Number TP3

### What Hospital Characteristics Drive Faster Thrombectomy For Emergent Large Vessel Occlusion (ELVO)?

Jason Tarpley, Providence Southern California, Santa Monica, CA; Lindsay Lucas, Providence Brain and Spine Inst, Portland, OR; Joseph T Ho, Providence Medical Group, Olympia, WA; Renee Ovando, Providence Southern California, Santa Monica, CA; Elizabeth Baraban, Providence Brain and Spine Inst, Portland, OR

#### Poster Board Number P4 / Presentation Number TP4

### Early Recanalization Followed By CEA Improves Functional Independence Compared To Carotid Angioplasty And Stenting

Mohammed J Humayun, Sharjeel Panjwani, Mouhammed A Jumaa, Syed F Zaidi, Univ of Toledo Medical Ctr, Toledo, OH

#### Poster Board Number P5 / Presentation Number TP5

### What is "Near Complete" Recanalization? Rethinking TICl 2b in Modern Thrombectomy Era

Eric L Tung, Ryan A McTaggart, Grayson Baird, Shadi Yaghi, Morgan L Hemendinger, Eleanor DiBiasio, Douglas T Hidlay, Glenn A Tung, Mahesh V Jayaraman, Warren Alpert Medical Sch of Med. Providence. RI

#### Poster Board Number P6 / Presentation Number TP6

#### Factors Influencing Infarct Progression During Ischemic Stroke Patients Transfer: Collaterals Lost is Brain Lost

Gregoire Boulouis, Arne Lauer, Ahmer Khawdja Siddiqui, Andreas Charidimou, Robert Regenhardt, Anand Viswanathan, Natalia S Rost, Thabele M Leslie-Mazwi, Lee H Schwamm, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P7 / Presentation Number TP7

# Somatosensory Evoked Potentials and Dramatic Recovery After Mechanical Thrombectomy in Patients With Acute Ischemic Stroke and Anterior Large Vessel Occlusion

Alicia Martinez-Piñeiro, Miriam Almendrote, Alba Ramos-Fransi, Giuseppe Lucente, Elena Lopez-Cancio, Natalia Perez de la Ossa, Sebastian Remollo, Carlos Castaño, Jaume Coll-Canti, Antoni Davalos, Hosp Univri Germans Trias i Pujol, Badalona, Spain

#### Poster Board Number P8 / Presentation Number TP8

A Novel and Thermally Efficient System for Focal Cerebral Hypothermia Hazem Shoirah, Dominic A Nistal, Icahn Sch of Med at Mount Sinai, New York, NY; Bradley J Molyneaux, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA

#### Poster Board Number P9 / Presentation Number TP9

# ASPECTS Values in Patients With Large Vessel Occlusion and Time of Arrival to Emergency Department: Estimation of Eligibility for Endovascular Stroke Therapy

Maxim Mokin, Aparna Pendurthi, Christopher Primiani, William S Burgin, Univ of South Florida, Tampa, FL

#### Poster Board Number P10 / Presentation Number TP10

### Clinical and Imaging Outcomes of Patients with Acute Ischemic Stroke and Mild Nihss Treated with Endovascular Therapy

Leticia C Rebello, Mehdi Bouslama, Diogo C Haussen, Jonathan A Grossberg, Samir R Belagaje, Nicolas Bianchi, Srikant Rangaraju, Kiva Schindler, Aaron Anderson, Michael Frankel, Raul G Nogueira, Emory Univ, Atlanta, GA

#### Poster Board Number P11 / Presentation Number TP11

Beyond Large Vessel Occlusion Strokes: Distal Occlusion Thrombectomy Jonathan A Grossberg, Leticia C Rebello, Diogo C Haussen, Mehdi Bouslama, Meredith Bowen, Melanie Winningham, Kiva M Schindler, Shannon Doppelheuer, Michael R Frankel, Raul G Nogueira, Emory, Atlanta, GA

#### Poster Board Number P12 / Presentation Number TP12

### Comparison of 3D Stent Retriever to Solitaire in Patients with Small Ischemic Cores: An Analysis of the Penumbra 3D Trial

Adnan Siddiqui, SUNY Univ at Buffalo & Kaleida Health, Buffalo, NY; Donald Frei, Swedish Medical Ctr, Englewood, CO; Albert J Yoo, Texas Stroke Inst, Plano, TX; Ghita Soulimani, Hope Buell, Sophia S Kuo, Elan Mualem, Leticia Barraza, Arani Bose, Siu Po Sit, Penumbra, Inc, Alameda, CA; Raul Nogueira, Grady Health System, Atlanta, GA; for the Penumbra 3D Investigators

#### Poster Board Number P13 / Presentation Number TP13

# Procedural Time (Groin Puncture to Recanalization) Significantly Predicts Outcomes in Endovascular Treatment: A Pooled Analysis of SWIFT, STAR and SWIFT PRIME Trials

Ameer E Hassan, Valley Baptist Medical Ctr, Harlingen, TX; Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA; Mayank Goyal, Univ of Calgary, Calgary, AB, Canada; David S Liebeskind, Reza Jahan, Univ of California Los Angeles, Los Angeles, CA; Adnan I Qureshi, Univ of Minnesota, Minneapolis, MN

#### Poster Board Number P14 / Presentation Number TP14

### Predictors of Good Outcome after Endovascular Therapy for Acute Posterior Circulation Stroke

Mehdi Bouslama, Emory Univ SOM, Atlanta, GA; Ashutosh Jadhav, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Diogo C Haussen, Emory Univ SOM, Atlanta, GA; Amin Aghaebrahim, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Leticia C Rebello, Emory Univ SOM, Atlanta, GA; Matthew T Starr, Univ of Pittsburgh Medical Ctr, pittsburgh, PA; Jonathan A Grossberg, Emory Univ SOM, Atlanta, GA; Manasa Ranginani, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Raul Nogueira, Emory Univ SOM, Atlanta, GA; Tudor Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA

#### Poster Board Number P15 / Presentation Number TP15

### A Case for the Chase? A Case Series of Mechanical Thrombectomy of M2 Occlusions

Hisham Salahuddin, Univ of Toledo, Toledo, OH; Julie Shawver, Promedica Toledo Hosp, Toledo, OH; Gretchen Tietjen, Syed Zaidi, Mouhammad Jumaa, Univ of Toledo, Toledo. OH

#### Poster Board Number P16 / Presentation Number TP16

### Short-Term Thrombectomy Outcomes Beyond the Traditional 6-Hour Time Window: Analysis of a Multi-Hub Telestroke Network

Archit Bhatt, Lindsay Lucas, Elizabeth Baraban, Providence Brain and Spine Inst, Portland, OR

#### Poster Board Number P17 / Presentation Number TP17

#### **Patients Treated With Endovascular Treatment Outside Guidelines**

Claus Z Simonsen, Mads Rasmussen, Aarhus Univ Hosp, Aarhus, Denmark; Albert J Yoo, Texas Stroke Institue, Plano, TX; Leif H Sørensen, Aarhus Univ Hosp, Aarhus, Denmark

#### Poster Board Number P18 / Presentation Number TP18

### Endovascular Treatment in the Elderly with Acute Ischemic Stroke – Is it Safe in Clinical Practice?

Thabele M Leslie-Mazwi, Syed F Ali, Massachusetts General Hosp, Boston, MA; Sanjeeva R Onteddu, Adewumi D Amole, Mehmet S Akdol, Univ of Arkansas For Medical Sciences, Little Rock, AR; Lee H Schwamm, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P19 / Presentation Number TP19

#### Role of Pial Collateral Flow in Acute Ischemic Stroke Outcomes

Sumul Modi, Horia Marin, Panayiotis Varelas, Panayiotis Mitsias, Henry Ford Health System. Detroit. MI

#### Poster Board Number P20 / Presentation Number TP20

#### **Uncertainties of Endovascular Therapy Outside the AHA Guidelines**

Amrou Sarraj, UT Houston, Houston, TX; Ronald F Budzik Jr, Riverside Methodist Hosp, Columbus, OH; Erol Veznedaroglu, Drexel Neurosciences Inst, Philadelphia, PA; Joey D English, California Pacific Medical Ctr, San Francisco, CA; Blaise W Baxter, Erlanger Health System, Chattanooga, TN; Bruno M Bartolini, La Fondation Rothschild, Paris, France; David S Liebeskind, UC Los Angeles, Dept of Neurology, Los Angeles, CA; Antonin Krajina, Univ Hosp Hradec Králové, Hradec Králové, Czech Republic; Ryan D Shields, Nancy Jin, Stryker Neurovascular, Fremont, CA; Raul G Nogueira, Emory Univ, Atlanta, GA; Rishi Gupta, Wellstar Kennestone Hosp, Marietta, GA; Peng R Chen, Christine M Farrell, Sean I Savitz, Louise D McCullough, UT Houston, Houston, TX

#### Poster Board Number P21 / Presentation Number TP21

### Is Presence of Diabetes Mellitus a Key Prognostic Factor among Patients Receiving Endovascular Treatment for Acute Ischemic Stroke?

Seong-Joon Lee, Ajou Univ Sch of Med, Ajou Univ Medical Ctr, Suwon, Korea, Republic of; Yang-Ha Hwang, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Ji Man Hong, Jin Wook Choi, Ajou Univ Sch of Med, Ajou Univ Medical Ctr, Suwon, Korea, Republic of; Dong-Hun Kang, Yong-Won Kim, Yong-Sun Kim, Kyungpook Natl Univ Sch of Med and Hosp, Daegu, Korea, Republic of; Jeong-Ho Hong, Hyuk Won Chang, Chang-Hyun Kim, Keimyung Univ Dongsan Medical Ctr, Daegu, Korea, Republic of; Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC; Sung-Il Sohn, Keimyung Univ Dongsan Medical Ctr, Daegu, Korea, Republic of; Jin Soo Lee, Ajou Univ Sch of Med, Ajou Univ Medical Ctr, Suwon, Korea, Republic of

#### Poster Board Number P22 / Presentation Number TP22

# Outcomes After Endovascular Therapy in a Population With Mild Acute Ischemic Stroke: A 65 Year Observational Cohort Study at a High Volume Comprehensive Stroke Center

Donald Frei, RIA, Greenwood Village, CO; Alessandro Orlando, Swedish Medical Ctr, Englewood, CO; Richard Bellon, RIA, Greenwood Village, CO; Jeffrey Wagner, Christopher V Fanale, Judd Jensen, Russell Bartt, Blue Sky Neurology, Englewood, CO; Rebecca van Vliet, Kathryn McCarthy, David Bar-Or, Swedish Medical Ctr, Englewood, CO

#### Poster Board Number P23 / Presentation Number TP23

### Prestroke Glucose Control Can be a Predictor for Outcome in Endovascular Therapy of Acute Ischemic Stroke

Jun-Young Chang, Gyeongsang Natl Univ Changwon Hosp, Changwon, Korea, Republic of; Moon Ku Han, Kyu Sun Yum, Sangkil Lee, Seoul Natl Univ Bundang Hosp, Seongnam, Korea, Republic of; Tai Hwan Park, Seoul Medical Ctr, Seoul, Korea, Republic of; Soo Joo Lee, Eulji Univ Hosp, Daejeon, Korea, Republic of; Kyung Bok Lee, Soonchunhyang Univ Hosp, Seoul, Korea, Republic of; Jun Lee, Yeungnam Univ Hosp, Daegu, Korea, Republic of; Jong-Moo Park, Jeju Natl Univ Hosp, Jeju, Korea, Republic of; Dong-Eog Kim, Dongguk Univ Ilsan Hosp, Ilsan, Korea, Republic of; Joon-Tae Kim, Chonnam Natl Univ Hosp, Gwangju, Korea, Republic of; Jae-Kwan Cha, Dong-A Univ Hosp, Pusan, Korea, Republic of; Byung-Chul Lee, Hallym Univ Sacred Heart Hosp, Anyang, Korea, Republic of; Juneyoung Lee, Korea Univ Coll of Med, Seoul, Korea, Republic of; Yong-Jin Cho, Ilsan Paik Hosp, Ilsan, Korea, Republic of; Wook-Joo Kim, Ulsan Univ Hosp, Ulsan, Korea, Republic of; Sung-Il Sohn, Keimyung Univ Hosp, Daegu, Korea, Republic of; CRCS-5 investigators

#### Poster Board Number P24 / Presentation Number TP24

### Trends in Iv r-tpa and Thrombectomy Treatment Rates Before and After the LVO RCT's in a Regional Tele-stroke Network

Naregnia Pierre Louis, Suman Nalluri, Benny Kim, Aashish Anand, Tanzila Shams, Chandril Chugh, Vallabh Janardhan, Texas Stroke Inst, Plano, TX

#### Poster Board Number P25 / Presentation Number TP25

### Increased Risk for Unfavorable Outcome in Patients with Pre-existing Disability Undergoing Endovascular Therapy

Ronen R Leker, Pavel Gavriliuc, Nour Eddine Yagmur, John M Gomori, Jose E Cohen, Hadassah-Hebrew Univ Medical Ctr, Jerusalem, Israel

#### Poster Board Number P26 / Presentation Number TP26

### Endovascular Therapy and Outcomes in a Large Biracial Cohort of Patients with Acute Ischemic Stroke

Leticia C Rebello, Aaron Anderson, Diogo C Haussen, Samir R Belagaje, Jonathan A Grossberg, Mehdi Bouslama, Shannon Doppelheuer, Nicolas Bianchi, Michael R Frankel, Raul G Nogueira, Emory Univ, Atlanta, GA

#### Poster Board Number P27 / Presentation Number TP27

### Impact of Mechanical Thrombectomy Device on the Thrombus Histology in Acute Embolic Stroke

Nobutaka Horie, Yoichi Morofuji, Eisaku Sadakata, Yohei Tateishi, Tsuyoshi Izumo, Minoru Morikawa, Akira Tsujino, Takayuki Matsuo, Nagasaki Univ Sch of Med, Nagasaki, Japan

#### Poster Board Number P28 / Presentation Number TP28

### **Defining Large Vessel and Routing Criteria for Endovascular Patients**Coleman Martin, Angela Hawkins, Karin Olds, Naveed Akhtar, William Holloway,

Saint Luke's Hosp, Kansas City, MO

#### Poster Board Number P29 / Presentation Number TP29

### Benefit of Intravenous Alteplase Prior to Mechanical Thrombectomy of Large Vessel Occlusion Ischemic Stroke

Pratit Patel, Jae Kim, Mustapha Ezzeddine, Univ of Minnesota, Minneapolis, MN

#### Poster Board Number P30 / Presentation Number TP30

# Is IV tPA Use Associated With Acute Carotid Stent Closure in Patients Presenting With Acute Ischemic Stroke With Tandem Lesions Treated With Endovascular Therapy?

Sushrut Dharmadhikari, Vikram Jadhav, Abhishek Fnu, Andrew Xavier, Saint Joseph Mercy Oakland, Pontiac, MI

#### Poster Board Number P31 / Presentation Number TP31

### Safety and Feasibility of Argatroban, Tissue Plasminogen Activator and Intra-arterial Therapy in Stroke (artss-ia Study)

Andrew D Barreto, Loren F Shen, UTHealth, Houston, TX; Vivek Misra, UT Health Science Ctr at San Antonio, San Antonio, TX; Peng R Chen, Spiros Blackburn, Mark Dannenbaum, UTHealth, Houston, TX; Joseph Broderick, Univ of Cincinnati Neuroscience Inst, Cincinnati, OH; Opeolu Adeoye, Univ of Cincinnati, Cincinnati, OH; James C Grotta, Clinical Innovation and Res Inst, Houston, TX

#### Poster Board Number P32 / Presentation Number TP32

Endovascular Therapy for Acute Ischemic Stroke Beyond the 6 Hour Window Yi Mao, Univ Hosp Case Medical Ctr, Cleveland, OH; Sameer Sharma, Univ of Cincinnati Coll of Med, Cincinnati, OH; Hesham Masoud, Julius G Latorre, SUNY Upstate Medical Univ, Syracuse, NY

#### Poster Board Number P33 / Presentation Number TP33

#### Statewide Trends in Utilization of Endovascular Treatment and Outcomes: Analysis of Minnesota Hospital Association Data (2014 and 2015)

Haitham M Hussein, Muhammad A Saleem, Adnan I Qureshi, Zeenat Qureshi Stroke Inst. St Cloud. MN

#### Poster Board Number P34 / Presentation Number TP34

Endovascular Thrombectomy for M1 Vessel Occlusion: Comparison Between Stent Retriever Mediated Thrombectomy and Forced Aspiration Thrombectomy Michelle Nunes, Pedro Aguilar-Salinas, Thais Varzoni, John Entwistle, Eric Sauvageau, Ricardo Hanel, Amin Aghaebrahim, Baptist Health System, Jacksonville, FL

#### **Acute Neuroimaging Posters II**

TP35 - TP63

#### Poster Board Number P35 / Presentation Number TP35

### Estimation of Red Blood Cells in the Thrombus Using MRI A Phantom Study with Predetermined Thrombus Components

Ana Paula Narata, Univ Hosp of Tours, Tours, France; Isabelle Filipiak, Univ Francois-Rabelais, Tours, France; Richard Bibi, Jean Philippe Cottier, Kevin Janot, Univ Hosp of Tours, Tours, France

#### Poster Board Number P36 / Presentation Number TP36

### Collaterals Negate Time: Topography and Determinants of Baseline ASPECTS in STRATIS

David S Liebeskind, Graham W Woolf, Neurovascular Imaging Res Core, Los Angeles, CA; Nils Mueller-Kronast, Delray Medical Ctr/Tenet South Florida, Delray Beach, FL; M Ali Aziz-Sultan, Brigham and Women's Hosp, Boston, MA; Michael T Froehler, Vanderbilt Univ Medical Ctr, Nashville, TN; Richard P Klucznik, Methodist Hosp, Houston, TX; Jeffrey L Saver, UCLA, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Osama O Zaidat, St Vincent Mercy Hosp, Toledo, OH; Diogo C Haussen, Emory Univ Sch of Med / Grady Memorial Hosp, Atlanta, GA; Frank R Hellinger Jr, Florida Hosp, Orlando, FL; Dileep R Yavagal, Univ of Miami/Jackson Memorial Hosp, Miami, FL; Tom L Yao, Norton Neuroscience Inst, Louisville, KY; Reza Jahan, UCLA, Los Angeles, CA; for the STRATIS Investigators

#### Poster Board Number P37 / Presentation Number TP37

#### Negative Diffusion-Weighted Imaging in Mild Ischemic Stroke Patients: An Exploratory Analysis of a Single-Center Six-Year Cohort

Marie Louise Schmitz, Grethe Andersen, Irene Mikkelsen, Mette H Madsen, Aarhus Univ Hosp, Aarhus, Denmark; Achala Vagal, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Claus Z Simonsen, Aarhus Univ Hosp, Aarhus, Denmark; Pooja Khatri, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number P38 / Presentation Number TP38

### Core Growth Speed as a Marker of Collateral Circulation Status in Acute Ischemic Stroke with Known Onset Time

Laura Blanco-García, Elisa Cortijo, Mercedes De Lera, Ana Calleja, María Usero, Stroke Program Hosp Clínico Univrio, Valladolid, Spain; Miguel Castaño, Neuroradiology Dept Hosp Clínico Univrio, Valladolid, Spain; Santiago Pérez-Fernández, Neuroradiology Dept Hosp Clínico Univrio, Valladolid, Spain; Juan Arenillas, Stroke Program Hosp Clínico Univrio, Valladolid, Spain

#### Poster Board Number P39 / Presentation Number TP39

#### Long-term Imaging Outcomes in Cerebral Small Vessel Disease

Yan Chen, Renyuan Liu, Wu Xu, Yuanyuan Gao, Xin Xu, Yun Xu, Nanjing Drum Tower Hosp, Nanjing, China

#### Poster Board Number P40 / Presentation Number TP40

### Prediction of a Small DWI Lesion Using Single Phase Collateral Score and Noncontrast CT ASPECT Score

Reza Hakimelahi, Karen A Buch, Thabele M Leslie-Mazwi, Joshua A Hirsch, James D Rabinov, R Gilberto Gonzalez, Pamela Schaefer, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P41 / Presentation Number TP41

### Prevalence and Factors Associated with Early Ischemic Changes on Non-contrast CT Obtained Less Than 90 Minutes After Symptom Onset

Jared Noroozi, Univ of Southern California, Los Angeles, CA; David S Liebeskind, Jeffrey L Saver, Sidney Starkman, Juan Pablo Villablanca, Univ of California, Los Angeles, Los Angeles, CA; Scott Hamilton, Stanford Univ, Stanford, CA; Kristina Shkirkova, Univ of California, Los Angeles, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P42 / Presentation Number TP42

**Risk of Acute Ischemic Stroke in Monocular Vision Loss of Vascular Etiology** Jason Zhang, Lucy Y Zhang, Jared Matthews, Danielle Rudich, David Greer, Robert Lesser, Hardik Amin, Yale New Haven Hosp, New Haven, CT

#### Poster Board Number P43 / Presentation Number TP43

# Changes to Observed Longitudinal Patterns of Task Activation in Motor Areas after Stroke Revealed by Hemodynamic Scaling of Functional Magnetic Resonance Imaging

Ryan V Raut, Veena A Nair, Justin A Sattin, Vivek Prabhakaran, Univ of Wisconsin-Madison, Madison, WI

#### Poster Board Number P44 / Presentation Number TP44

#### **Quantifying Edema in Acute Stroke**

George Harston, James Kennedy, Univ of Oxford, Oxford, United Kingdom

#### Poster Board Number P45 / Presentation Number TP45

### Predictors for Good Collaterals in 857 Patients With Acute Ischemic Stroke and Proximal Middle Cerebral Artery Occlusion

Stefania Nannoni, Stroke Ctr, Neurology Service, Ctr Hospier Univire Vaudois and Univ of Lausann, Lausanne, Switzerland; Carlo W Cereda, Stroke Ctr, Neurology Service, Neurocenter of Southern Switzerland, Ospedale Civico di Lugano, Lugano, Switzerland; Gaia Sirimarco, Dimitris Lambrou, Ashraf Eskandari, Stroke Ctr, Neurology Service, Ctr Hospier Univire Vaudois and Univ of Lausanne, Lausanne, Switzerland; Ali Maghraoui, Div of Clinical Pharmacology, Ctr Hospier Univire Vaudois and Univ of Lausanne, Iausanne, Switzerland; Francesco Puccinelli, Pascal Mosimann, Stroke Ctr, Neurology Service, Ctr Hospier Univire Vaudois and Univ of Lausanne, Lausanne, Switzerland; Max Wintermark, Dept of Radiology, Neuroradiology Div, Stanford Univ and Medical Ctr, Stanford, CA; Patrik Michel, Stroke Ctr, Neurology Service, Ctr Hospier Univire Vaudois and Univ of Lausanne, Switzerland

#### Poster Board Number P46 / Presentation Number TP46

#### A Support Vector Machine Approach for Prediction of Subclinical Language Deficit using Post-Stroke White Matter Tracts

Rosaleena Mohanty, Svyatoslav Vergun, Pouria Mossahebi, Veena A Nair, Vivek Prabhakaran, Univ of Wisconsin-Madison, Madison, WI

#### Poster Board Number P47 / Presentation Number TP47

### Intracranial Intraplaque Hemorrhage in Acute Stroke: Interim Results of the Stroke Imaging Package Study

Changyun Liu, Fujian Medical Univ Union Hosp, Fuzhou, China; Huisheng Chen, General Hosp of Shenyang Military Region, Shenyang, China; Yi Yang, First Hosp of Jilin Univ, Changchun, China; Jun Xu, Subei People's Hosp of Jiangsu Province, Yangzhou, China; Meng Zhang, Daping Hosp and the Res Inst of Surgery of the Third Military Medical Univ, Chongqing, China; Baoquan Lu, Tangshan Gongren Hosp, Tangshan, China; Shiwen Wu, General Hosp of Chinese Armed Police Forces, Beijing, China; Yong You, The First Affiliated Hosp of Univ of South, Changsha, China; Hongtao Hu, Beijing Jishuitan Hosp, Beijing, China; Le Fang, China-Japan Union Hosp, Changchun, China; Zhengqi Lu, Third Affiliated Hosp, Sun Yat-SenUniv, Guangzhou, China; Min Lou, Second Affiliated Hosp, Sch of Med, Hangzhou, China; Haiqing Song, Beijing, Xuanwu Hosp, Beijing, China; Mingli Li, Peking Union Medical Coll Hosp, Beijing, China; Yining Huang, Peking Univ First Hosp, Beijing, China; Wei-hai Xu, Peking Union Medical Coll Hosp, Beijing, China

#### Poster Board Number P48 / Presentation Number TP48

### Automated Deep Learning-based Measurement of DWI Lesion Volume in Acute Stroke Using Convolutional Neural Networks

Stefan Winzeck, Mark J Bouts, Elissa McIntosh, Raquel Bezerra, Izzuddin Diwan, Steven J Mocking, Priya Garg, W Taylor Kimberly, E Murat Arsava, William A Copen, Pamela W Schaefer, Hakan Ay, Aneesh B Singhal, Ona Wu, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P49 / Presentation Number TP49

Racial Difference in Cerebral Microbleed Burden in the Mid-South United States
Nariman Noorbakhsh-Sabet, Georgios Tsivgoulis, Nitin Goyal, Andrei Alexandrov,
Ramin Zand. Univ of Tennessee Health Science Ctr. Memphis. TN

#### Poster Board Number P50 / Presentation Number TP50

### Non-contrast CT Maximum Intensity Projections (MIPs) for the Detection of Large Vessel Occlusion (LVO)

James P Ho, David T Nguyen, Mohsen Pirastehfar, Rajiv Narula, Lovella Hailey, Melissa Mortin, Karen Rapp, Kunal Agrawal, Branko Huisa-Garate, Royya Modir, Dawn M Meyer, Thomas M Hemmen, Brett C Meyer, Univ of California San Diego, San Diego, CA

### Poster Board Number P51 / Presentation Number TP51

#### When Can Aspects be Read Reliably?

Sadanand Dey, James Evans, Carol Tham, Zarina Assis, Ericka Teleg, Pooneh Pordeli, Prasanna Eswaradass, Mohamed Najm, Anneliese Neweduk, MacKenzie Horn, Andrew Demchuk, Mayank Goyal, Bijoy Menon, Calgary Stroke Program, Calgary, AB, Canada

#### Poster Board Number P52 / Presentation Number TP52

Comparison of Two Methods of the Alberta Stroke Program Early CT Score Alex J Linn, Steve O'Donnell, Adam de Havenon, Univ of Utah Hosp & Clinics, Salt Lake City, UT

#### Poster Board Number P53 / Presentation Number TP53

#### NIHSS and Variation of Infarct Volume by Hemisphere

Tyler P Behymer, Univ of Cincinnati, Cincinnati, OH; Achala Vagal, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Heidi Sucharew, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Vineeth Yeluru, Univ of Cincinnati, Cincinnati, OH; Arjun Minhas, Georgetown Univ, Washington, DC; J Mike Hazenfield, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Mahati Reddy, Courtney Frey, Kathleen Alwell, Charles J Moomaw, Matthew Flaherty, Simona Ferioli, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Indianapolis, IN; Felipe De Los Rios La Rosa, Univ of Cincinnati, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Opeolu Adeoye, Dawn O Kleindorfer, Brett M Kissela, Pooja Khatri, Daniel Woo, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number P54 / Presentation Number TP54

#### Magnetic Resonance Black-blood Thrombus Imaging Could be a Promising New Tool in the Diagnosis of Cerebral Venous and Sinus Thrombosis

Qi Yang, Zhaoyang Fan, Cedars Sinai Medical Ctr, Los Angeles, CA; Jiangang Duan, Xunming Ji, Xuanwu Hosp, Capital Medical Univ, Beijing, China; Debiao Li, Cedars Sinai Medical Ctr, Los Angeles, CA

#### Poster Board Number P55 / Presentation Number TP55

### Spatio-temporal Flow Tractography (SFT) for Evaluation of Collateral Patterns in Acute Stroke

Yao Wang, UCLA, Los Angeles, CA; David Shattuck, Jeffrey Saver, David Liebeskind, Fabien Scalzo, UCLA, los angeles, CA

#### Poster Board Number P56 / Presentation Number TP56

#### Angiographic Flow Index on DSA Correlates with Cerebral Flow Measured by Quantitative MRA

Ahmed E Hussein, Denise Brunozzi, Sophia F Shakur, Andreas Linninger, Chih-Yang Hsu, Fady T Charbel, Ali Alaraj, Univ of Illinois at Chicago, Chicago, IL

#### Poster Board Number P57 / Presentation Number TP57

#### Altered Functional Connectivity in Transient Ischemic Attack Patients

Michael S Stringer, Ourania Varsou, Catarina Fernandes, Christian Schwarzbauer, Mary J MacLeod, Univ of Aberdeen, Aberdeen, United Kingdom

#### Poster Board Number P58 / Presentation Number TP58

### Using pH-weighted MRI to Assess Tissue Viability in Acute Ischemic Stroke Patients

Tina M Burton, Natl Insts of Health, Bethesda, MD; Yi Zhang, Hye-Young Heo, Peter C Van Zijl, Jinyuan Zhou, Johns Hopkins Univ, Baltimore, MD; The NIH Natural History of Stroke Investigators; Richard Leigh, Natl Insts of Health, Bethesda, MD

#### Poster Board Number P59 / Presentation Number TP59

### To Estimate the Time of Stroke Onset by Using Ct Scan and Stroke Severity Scale

Saadat Kamran, Zain Bhutta, Naveed Akhtar, Hamad Medical Corp, Doha, Qatar; Vernice Bates, Lucy Dent Imaging Res Ctr, Doha, NY; Abdul Salam, Ashfaq Shuaib, Hamad Medical Corp, Doha, Qatar

#### Poster Board Number P60 / Presentation Number TP60

### T1 Rho Magnetic Resonance Imaging Can Detect and Quantify Acute Ischemic Stroke in Humans

Charles Esenwa, Jennifer Soun, Columbia Univ Medical Ctr, NYC, NY; Christopher Filippi, Northwell Health, Manhasset, NY; Jack Grinband, Columbia Univ Medical Ctr, NYC. NY

#### Poster Board Number P61 / Presentation Number TP61

#### Detection of Atherosclerotic Plaque Using Non-contact and Label-free Near-infrared Hyper-spectral Imaging

Hideo Chihara, Kokura Memorial Hosp, Kikakyushu-shi, Japan; Naoya Oishi, Akira Ishii, Kyoto Univ, Kyoto-shi, Japan; Toshihiro Munemitsu, Shiga Medical Ctr for Adults, Moriyama-shi, Japan; Daisuke Arai, Kyoto Univ, Kyoto-shi, Japan; Hiroyuki Ikeda, Susumu Miyamoto, Kyoto Univ, Kyoto-shi, Japan

#### Poster Board Number P62 / Presentation Number TP62

#### To Determine the Evolution of Stroke Volume Overtime Using ANFIS

Saadat Kamran, Hamad Medical Corp, Doha, Qatar; Uvais Qidwai, Qatar Univ, Doha, Qatar; Naveed Akhtar, Zain A Bhutta, Abdul Salam, Ashfaq Shuaib, Hamad Medical Corp, Doha, Qatar

#### Poster Board Number P63 / Presentation Number TP63

# Detection of Perfusion Deficits Using FLAIR and GRE Based Vessel Signs Dennys Reyes, Emi Hitomi, Alexis Simpkins, John Lynch, Amie Hsia, Richard Benson, Zurab Nadareishvili, Marie Luby, Lawrence Latour, Richard Leigh, NIH Stroke Dept, Bethesda, MD

#### **Acute Nonendovascular Treatment Posters II**

TP64 - TP76

#### Poster Board Number P64 / Presentation Number TP64

#### Intravenous Thrombolysis in Chinese Patients with Mild Stroke

Weiqi Chen, Yuesong Pan, Xingquan Zhao, Liping Liu, Hao Li, Xiaoling Liao, Chunjuan Wang, Yilong Wang, Yongjun Wang, Capital Medcal Univ, Beijing Tiantan Hosp, Beijing, China

#### Poster Board Number P65 / Presentation Number TP65

### The Effect of Treatment with Magnesium on the Frequency of Cardiac Comorbidities in Hospitalized Stroke Patients

Jared Noroozi, Univ of Southern California, Los Angeles, CA; Jeffery L Saver, David S Liebeskind, Sidney Starkman, Univ of California, Los Angeles, Los Angeles, CA; Scott Hamilton, Stanford Univ, Stanford, CA; Kristina Shkirkova, Univ of California, Los Angeles, Los Angeles, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P66 / Presentation Number TP66

### Laboratory Factors Predisposing to Risk of Intracerebral Hemorrhage After IV Thrombolysis for Acute Ischemic Stroke

Haris Kamal, Navdeep Lail, Katelyn Kavak, Aurangzeb Memon, Amit Kandel, Marilou Ching, Robert N Sawyer, Ashkan Mowla, State Univ of New York at Buffalo, Buffalo, NY

#### Poster Board Number P67 / Presentation Number TP67

### Safety of Intravenous Alteplase in Chronic Intracranial Hemorrhage: a Five Year Multicenter Study

Ramin Zand, Georgios Tsivgoulis, Mantinderpreet Singh, Michael McCormack, Nitin Goyal, Nariman Noorbakhsh-Sabet, Andrei V Alexandrov, Univ of Tennessee Health Science Ctr, Memphis, TN

#### Poster Board Number P68 / Presentation Number TP68

### The Characteristics of Acute Ischemic Stroke Treatment Clinical Trials Over the Past Twenty Years: Implications for Future Trial Design

Yi Dong, Huashan Hosp, Fudan Univ, Shanghai, China; Pratik Y Chhatbar, Medical Univ of South Carolina, Chalerston, SC; Shimeng Liu, Medical Univ of South Carolina, Charleston, SC; Qiang Dong, Huashan Hosp, Fudan Univ, Shanghai, China; Bruce Ovbiagele, Wuwei Feng, Medical Univ of South Carolina, Charleston, SC

#### Poster Board Number P69 / Presentation Number TP69

### Safety and Outcomes of IV Thrombolysis with Alteplase for Acute Ischemic Stroke Patients with Thrombocytopenia

Haris Kamal, Nour Abdelhamid, Liang Zhu, Sean Savitz, Univ of Texas at Houston, Houston, TX; James Grotta, Memorial Hermann Hosp, Houston, TX; Amrou Sarraj, Univ of Texas at Houston, Houston, TX

#### Poster Board Number P70 / Presentation Number TP70

### Incidence of Serious Adverse Events Following Acute Stroke: Data From the Efficacy of Nitric Oxide in Stroke (ENOS) Trial

Szymon Stodolak, Lisa J Woodhouse, Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom; Daniel Bereczki, Semmelweis Univ, Budapest, Hungary; Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number P71 / Presentation Number TP71

Interruption of Antiplatelet and Anticoagulant Therapy Does Not Increase Risk of Recurrent Stroke in Patients with Left Ventricular Assist Devices

Jenny Peih-Chir Tsai, Christopher Barrett, Neil E Schwartz, Dipanjan Banerjee,
Stanford Univ, Palo Alto, CA

#### Poster Board Number P72 / Presentation Number TP72

### Pilot Trial of Enoxaparin versus Aspirin in Cancer Patients with Stroke: the TEACH Study

Babak B Navi, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Randolph S Marshall, Dept of Neurology, Columbia Coll of Physicians and Surgeons, New York, NY; Dylan Bobrow, Dept of Neurology, Memorial Sloan Kettering Cancer Ctr, New York, NY; Samuel Singer, Neurological Oncology Div, Brain and Spine Inst, Hackensack Univ Medical Ctr, Hackensack, NJ; Jacqueline B Stone, Dept of Neurology, Memorial Sloan Kettering Cancer Ctr, New York, NY; Maria T DeSancho, Div of Hematology and Medical Oncology, Dept of Med, Weill Cornell Med, New York, NY; Costantino ladecola, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Mitchell SV Elkind, Dept of Neurology, Columbia Coll of Physicians and Surgeons, New York, NY; Katherine S Panageas, Dept of Epidemiology and Biostatistics, Memorial Sloan Kettering Cancer Ctr, New York, NY; Lisa M DeAngelis, Dept of Neurology, Memorial Sloan Kettering Cancer Ctr, New York, NY

#### Poster Board Number P73 / Presentation Number TP73

### Evaluation of Intervention Aimed at Reducing Alteplase Returns without Compromising Clinical Care in Acute Ischemic Stroke

Natalie Swearingen, Providence Brain and Spine Inst, OR, OR; Jillian T Myers, Providence Portland Medical Ctr, OR, OR; Alexandra Lesko, Providence Brain and Spine Inst, OR, OR

#### Poster Board Number P74 / Presentation Number TP74

### Therapeutic Benefit of Hypothermia After Decompressive Hemicraniectomy in Patients with Ischemic Stroke

Won Joo Jeong, Kyu Sun Yum, Sangkil Lee, Moon-Ku Han, Seoul Natl Univ Bundang Hosp, Seongnam, Korea, Republic of

#### Poster Board Number P75 / Presentation Number TP75

### Creatinine on Admission Interacts with Intravenous Thrombolysis and Thrombectomy Procedures in Predicting Post-stroke Outcomes

Nada El Husseini, Cintasha Redmond, Seung-Jae Lee, Ralph B D'Agostino Jr, Cheryl Bushnell, Wake Forest Baptist Univ, Winston Salem, NC

#### Poster Board Number P76 / Presentation Number TP76

### Symptomatic Intracranial Hemorrhage After IV tPA for Acute Ischemic Stroke in Patients with Relative Contraindications

Kyle C Smith, Mohammed Alkuwaiti, Caitlin Bell, Univ of Minnesota, Minneapolis, MN; Donna Lindsay, Hennepin County Medical Ctr, Minneapolis, MN; Angela Heyer, Rwoof Reshi, Mustapha Ezzeddine, Christopher Streib, Univ of Minnesota, Minneapolis, MN

### **Basic and Preclinical Neuroscience of Stroke Recovery Posters II**

TP77 - TP105

#### Poster Board Number P77 / Presentation Number TP77

#### **New treatment**

Munehisa Shimamura, Hironori Nakagami, Osaka Univ Graduate Sch of Med, Osaka, Japan; Kouji Wakayama, the Univ of Tokyo, Tokyo, Japan; Tomohiro Kawano, Hideki Mochizuki, Rvuichi Morishita. Osaka Univ Graduate Sch of Med. Osaka, Japan

#### Poster Board Number P78 / Presentation Number TP78

#### Combination of Neuroprotective Drug and Neural Stem Cells Benefits Aged Stroke Mice with Delayed Tissue Plasminogen Activator Treatment

Auston Eckert, Milton H Hamblin, Jean-Pyo Lee, Tulane Univ Medical Sch, New Orleans. LA

#### Poster Board Number P79 / Presentation Number TP79

#### Inhibition of Toll Like Receptor-4 (tlr4) Improves Neurobehavioral Outcomes After Acute Ischemic Stroke in Diabetic Rats

Yasir Abdul, Mohammed Abdelsaid, Wieguo Li, Guangkuo Dong, Adviye Ergul, Augusta Univ, Augusta, GA

#### Poster Board Number P80 / Presentation Number TP80

### Panaxatriol Saponins Attenuates Blood-brain Barrier Disruption and Promotes Angiogenesis After Ischemic Stroke in Rats

Hui Yang, Zhen Hui, Du Juan Sha, Yun Xu, Nanjing Drum Tower Hosp, Nanjing, China

#### Poster Board Number P81 / Presentation Number TP81

### MiR122 Modulates Nos2 to Improve Stroke Outcomes After Middle Cerebral Artery Occlusion in Rats

DaZhi Liu, Glen C Jickling, Zhouheng Ye, Bradley P Ander, Xinhua Zhan, Boryana Stamova, Bruce G Lyeth, Frank R Sharp, UC Davis, Sacramento, CA

#### Poster Board Number P83 / Presentation Number TP83

### Stress Exacerbates Global Ischemia-induced Inflammatory Response: Intervention by Progesterone

Claudia Espinosa-Garcia, Iqbal Sayeed, Seema Yousuf, Fahim Atif, Elena G Sergeeva, Gretchen N Neigh, Donald G Stein, Emory Univ, Atlanta, GA

#### Poster Board Number P84 / Presentation Number TP84

### Comparative Analysis of Genetic and Pharmacological Inhibition of Sirt3 in Post Ischemic Injury

Rajkumar Verma, Rodney Ritzel, Bruce Liang, UCONN Health, Farmington, CT; Louise McCullough, Univ of Texas Health Science Ctr, Houston, TX

#### Poster Board Number P85 / Presentation Number TP85

# The Kca31 Tram-34 Reduces Selective Neuronal Loss, Microglial Activation and Sensorimotor Deficits Following Brief Middle-cerebral Artery Occlusion (mcao) in the Rat

Jean-Claude Baron, INSERM UNIT 894, Paris Descartes Univ, France, Paris, France; Julius Emmrich, Charité, Berlin, Germany; Sohail Ejaz, David J Williamson, Dept of Clinical Neurosciences, Univ of Cambridge, Cambridge, United Kingdom

#### Poster Board Number P86 / Presentation Number TP86

# The Ischemic Blood-brain Barrier In A Dish: Use Of Patient-derived Stem Cells To Model The Response Of The Neurovascular Unit To Oxygen-glucose Deprivation Stress

Shyanne Page, Ronak Patel, Abraham Alahmad, Texas Tech Univ Health Science Ctr, Amarillo, TX

#### Poster Board Number P87 / Presentation Number TP87

### Early Quantitative Somatosensory Evoked Potentials Markers after Cardiac Arrest

Leanne M Young, Ruoxian Deng, Johns Hopkins Univ Sch of Med, Baltimore, MD; Matthew A Koenig, Univ of Hawaii John A Burns Sch of Med, Honolulu, HI; Xiaofeng Jia, Univ of Maryland Sch of Med, Baltimore, MD

#### Poster Board Number P89 / Presentation Number TP89

Reactive Gliosis Improves Outcome in an Aged Rat Model of Embolic Stroke Daniel Morris, Michael Chopp, Wing Lee Cheung, Talan Zhang, Mei Lu, Zheng G Zhang, Henry Ford Hosp, Detroit, MI

#### Poster Board Number P90 / Presentation Number TP90

#### Casein Kinase 2 Inhibition Preserves Axonal Function Against Ischemia

Sylvain Brunet, Chinthasagar Bastian, Cleveland Clinic, Cleveland, OH; Danielle Aquila, Ohio State Univ, Columbus, OH; Selva Baltan, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P91 / Presentation Number TP91

Stroke Induced Respiratory Dysfunction: Age, Apnea and Cognitive Decline Anthony Patrizz, Hilda Ahnstedt, Louise McCullough, UT Health, Houston, TX

#### Poster Board Number P92 / Presentation Number TP92

#### Continuous Glyburide Infusion Prevents Hemorrhagic Transformation After Cerebral Infarction in a Rodent Reperfusion Model

Cristina Sastre, Takahiro Igarashi, Søren Larsen, Zoe Wolcott, Ann-Christin Ostwaldt, Phillip Zhe Sun, William Taylor Kimberly, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P93 / Presentation Number TP93

#### Topically Applied Adipose-derived Mesenchymal Stem Cell Treatment In Experimental Focal Cerebral Ischemia

George Wong, Chinese Univ of Hong Kong, Hong Kong, Hong Kong; HMRF01120666 Investigators

#### Poster Board Number P94 / Presentation Number TP94

### Mesenchymal Stromal Cells Behave Differently When Exposed to Medications Commonly Prescribed to Stroke Patients

Nikunj Satani, Bing Yang, Duyen M Nghiem, Xiaopei Xi, McGovern Medical Sch at UTHealth, Houston, TX; Adrian P Gee, Baylor Coll of Med, Houston, TX; Jaroslaw Aronowski, Sean I Savitz, McGovern Medical Sch at UTHealth, Houston, TX

#### Poster Board Number P95 / Presentation Number TP95

### Exercise Too Soon After Stroke Exacerbates Hyperglycolysis-mediated Brain Damage

Mitchell Huber, Jiamei Shen, Yuchuan Ding, Wayne State Univ Sch of Med, Detroit, MI; Xiaokun Geng, Capital Medical Univ, Beijing, China

#### Poster Board Number P96 / Presentation Number TP96

#### Pexophagy is Neuroprotective in Ischemic Brain

Wenbin Zhu, Wenri Zhang, Jennifer Young, Anthony P Barnes, Nabil J Alkayed, Oregon Health & Science Univ, Portland, OR

#### Poster Board Number P97 / Presentation Number TP97

#### Korean Red Ginseng Ameliorates Cerebral Hypoxic-Ischemic Damage Through the Activation of the Nrf2 Pathway by Preferentially Altering Reactive Astrophysis

Lei Liu, Mary K Vollmer, Morgan W Carson, Todd J Sahagian, Univ of Florida, Gainesville, FL; Hocheol Kim, Kyung Hee Univ, Seoul, Korea, Republic of; Sylvain Dore, Univ of Florida, Gainesville, FL

#### Poster Board Number P98 / Presentation Number TP98

Genetic Deletion of Kruppel-Like Factor 11 Aggravates Ischemic Brain Injury Xuelian Tang, Kai Liu, Ke-Jie Yin, Univ of Pittsburgh Sch of Med, Pittsburgh. PA

#### Poster Board Number P99 / Presentation Number TP99

### Inflammatory Changes in Brain and Lymphoid Organs After Ischemic Stroke: PET Imaging for Cell Therapy

Chengbo Tan, Zifeng Wang, Hideo Shichinohe, Hokkaido Univ, Sapporo, Japan; Songji Zhao, Fukushima Medical Univ, Fukushima, Japan; Yuji Kuge, Masahito Kawabori, Takeo Abumiya, Naoki Nakayama, Ken Kazumata, Kiyohiro Houkin, Hokkaido Univ, Sapporo, Japan

#### Poster Board Number P100 / Presentation Number TP100

### Pharmacological Inhibition of ACC1 Restrains Peripheral T Cell Activation and Protects Against Cerebral Ischemic Stroke

Peiying Li, Long Wang, Yuxi Zhou, Xing Wang, Weifeng Yu, Renji Hosp, Shanghai, China

#### Poster Board Number P101 / Presentation Number TP101

### Intra-arterial IL-1 $\alpha$ is Well Tolerated and Neuroprotective After Experimental Ischemic Stroke

Kathleen E Salmeron, Michael E Maniskas, Amanda Trout, Univ of Kentucky, Lexington, KY; Emmanuel Pinteaux, Univ of Manchester, Manchester, United Kingdom; Justin F Fraser, Gregory J Bix, Univ of Kentucky, Lexington, KY

#### Poster Board Number P102 / Presentation Number TP102

### Apolipoprotein E Mimetic Pentapeptide (CN 105) Improves Outcome in a Murine Model of Ischemic Stroke

Tian Ming Tu, Natl Neuroscience Inst, Singapore, Singapore; Haichen Wang, Daniel Laskowitz, Duke Univ, Durham, NC

#### Poster Board Number P103 / Presentation Number TP103

### Liraglutide Reduces Amyloid- $\beta$ Deposits and Secondary Damage in the Thalamus After Focal Cortical Infarction in Rats

Anding Xu, Huili Zhu, Yusheng Zhang, The First Affiliated Hosp of Jinan Univ, Guangzhou, China

#### Poster Board Number P104 / Presentation Number TP104

#### Thyroid Hormone Neuroprotection After Stroke and Fatty Acid Oxidation

Mikaela Sifuentes, James Lechleiter, Univ of Texas Health Science Ctr at San Antonio, San Antonio, TX

#### Poster Board Number P105 / Presentation Number TP105

#### Therapeutic Human Umbilical Cord Blood Cells in Ischemic Stroke

Haichen Wang, Duke Univ Medical Cente, Durham, NC; Chuan Fang, The Affiliated Hosp of HeBei Univ, Baoding, Hebei, China; Yanli Tan, Basic Medical Coll of HeBei Univ, Baoding, Hebei, China; Tian Ming Tu, Natl Neuroscience Inst, Singapore, Singapore; Ellen R Bennett, Joanne Kurtzberg, Daniel T Laskowitz, Duke Univ Medical Ctr. Durham. NC

#### **Cerebral Large Artery Disease Posters II**

TP106 - TP135

#### Poster Board Number P106 / Presentation Number TP106

### Adventitial T Cell Infiltrates Are Related to Brain Atherosclerosis in Hiv-infected Individuals, but Not With Advanced Immunosuppression

Adele Shenoy, New York Medical Coll, New York, NY; Andrew Dwork, Jose Gutierrez, Columbia Univ, New York, NY; Susan Morgello, Mount Slnai Sch of Med, New York, NY

#### Poster Board Number P107 / Presentation Number TP107

#### Timing of Stroke Risk Following Cervical Artery Dissection

Nicholas A Morris, Alexander E Merkler, Gino Gialdini, Hooman Kamel, Brain and Mind Res Inst, New York, NY

#### Poster Board Number P108 / Presentation Number TP108

### Association Between Intracranial Atherosclerotic Calcium Burden and Angiographic Luminal Stenosis Measurements

Hediyeh Baradaran, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Radiology, Weill Cornell Med, New York, NY; Praneil Patel, New York-Presbyterian Hosp/Weill Cornell Med Ctr, New York, NY; Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Ashley Giambrone, New York-resbyterian Hosp/Weill Cornell Med Ctr, New York, NY; Michael Lerario, Babak Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; James Min, New York-Presbyterian Hosp/Weill Cornell Med Ctr, New York, NY; Costantino ladecola, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Ajay Gupta, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Radiology, Weill Cornell Med, New York, NY; Ajay Gupta, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Radiology, Weill Cornell Med, New York, NY

#### Poster Board Number P109 / Presentation Number TP109

Multiplicity of Atherosclerotic Risk Factors Predicts a Risk of Large Arterial Atherosclerosis and Long-term Mortality in Patients with Ischemic Stroke Sungho Ahn, Eun-Jae Lee, Dong-Wha Kang, Sun U Kwon, Jong S Kim, Asan Medical Ctr. Seoul. Korea. Republic of

#### Poster Board Number P110 / Presentation Number TP110

### Helicobacter Pylori Infection and Genetic Factors as Determinants of Carotid Plaque Stability

Eugenia Arias, Naomi Arakaki, Horacio Martinetto, Gustavo E Sevlever, Sebastian F Ameriso, Fleni, Capital Federal, Argentina

#### Poster Board Number P111 / Presentation Number TP111

### Primary Angiitis of Central Nervous System Clinical Profile and Outcome of Forty Seven Patients

Pn Sylaja, Soumya Sundaram, Deepak Menon, Sapna Sreedharan, Jayadevan ER, Sankara Sarma, Sree Chitra Tirunal Inst for Medical Sciences and Technology, Trivandrum, India

#### Poster Board Number P112 / Presentation Number TP112

#### Mechanism of Recurrent Stroke in Patients with Atherosclerotic Vertebrobasilar Disease in Relation to Hemodynamics

Joanna D Schaafsma, Frank L Silver, Univ of Toronto, Toronto, ON, Canada; Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; Louis R Caplan, Beth Israel Deaconess Medical Ctr, Boston, MA; Linda Rose-Finnell, Dilip K Pandey, Fady T Charbel, Sepideh Amin-Hanjani, Univ of Illinois at Chicago, Chicago, IL; For the VERiTAS Study Group

#### Poster Board Number P113 / Presentation Number TP113

### Intracranial Atherosclerotic Stenosis Prevalence in a North American Stroke Population

Yongkun Li, Neurovascular Imaging Res Core, UCLA Dept of Neurology, Fujian Provincial Hosp, Provincial Clinical Dept of Fujian Medical Univ, China, Los Angeles, CA; Konark Malhotra, Graham W Woolf, Jason D Hinman, Radoslav Raychev, Latisha K Sharma, Doojin Kim, Neal M Rao, Jeffrey L Saver, Fabien Scalzo, David S Liebeskind, Neurovascular Imaging Res Core, UCLA Dept of Neurology, Los Angeles, CA

#### Poster Board Number P114 / Presentation Number TP114

Cognition Independently Affects Quality of Life in Carotid Occlusive Disease Marykay Pavol, Kathryn M Sundheim, Joanne R Festa, Y K Cheung, Kevin Slane, Ronald M Lazar, Randolph S Marshall, Columbia Univ, NY, NY

#### Poster Board Number P115 / Presentation Number TP115

### Cerebral Hemodynamic Changes in Military Personnel With Long-term Effects of Concussions

Alexander Razumovsky, Sentient Neurocare Services, Hunt Valley, MD; Melissa Rampino, Natl Intrepid Ctr for Excellence, Bethesda, MD; Efim Kouperberg, Sentient Neurocare Services, Hunt Valley, MD; Donna M Neuges, Thomas J DeGraba, Thomas J DeGraba, Natl Intrepid Ctr for Excellence, Bethesda, MD

#### Poster Board Number P116 / Presentation Number TP116

### Perioperative Assessment of Cerebral Perfusion Territories Through Arterial Spin Labeling Magnetic Resonance Imaging in Carotid Stenosis

Kohkichi Hosoda, Daisuke Yamamoto, Kobe Univ Graduate Sch of Med, Kobe, Japan; Yoshito Uchihashi, Nishiwaki Municipal Hosp, Nishiwaki, Japan; Jun Tanaka, Yusuke Yamamoto, Masaaki Kohta, Atsushi Fujita, Takashi Sasayama, Eji Kohmura, Kobe Univ Graduate Sch of Med, Kobe, Japan

#### Poster Board Number P117 / Presentation Number TP117

#### **Outcomes of Elective Carotid Stenting in the Octogenarians**

Aws Alawi, Columbia Univ Medical Ctr, New York, NY; Firas Al Shakarchi, Randall Edgell, Amer Alshekhlee, Saint Louis Univ, Saint Louis, MO

#### Poster Board Number P118 / Presentation Number TP118

### Recanalization After Extracranial Dissection Stratified by Medical Treatment: Antiplatelets versus Anticoagulation

Preethi Ramchand, Michael T Mullen, Aaron Bress, Steven R Messe, Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P119 / Presentation Number TP119

#### Credentialing of Interventionists in a Large Randomized Trial

Gary S Roubin, Cardiovascular Associates of the Southeast, LLC, Birmingham, AL; Donald V Heck, Novant Health Forsyth Medical Ctr, Winston-Salem, NC; Christopher J White, Ochsner Health System, New Orleans, LA; Kenneth Rosenfield, Massachusetts General Hosp, Boston, MA; Guilherme Dabus, Miami Cardiac and Vascular Inst, Miami, FL; Tudor G Jovin, Brian T Jankowitz, Univ of Pittsburgh, Pittsburgh, PA; Barry T Katzen, Miami Cardiac and Vascular Inst, Miami, FL; William A Gray, Lankenau Medical Ctr, Wynnewood, PA; Jon S Matsumura, Univ of Wisconsin, Madison, WI; Leo N Hopkins, State Univ of New York at Buffalo, Buffalo, NY; Dale M Gamble, Mayo Clinic, Jacksonville, FL; Jenifer H Voeks, Medical Univ of South Carolina, Charleston, SC; Sothear M Luke, Mayo Clinic, Jacksonville, FL; Brajesh K Lal, Univ of Maryland Medical Ctr, Baltimore, MD; James F Meschia, Thomas G Brott, Mayo Clinic, Jacksonville, FL

#### Poster Board Number P120 / Presentation Number TP120

#### A Novel Potential Therapy in Severe Stroke: Neuroprotective Chlorpromazine/ Promethazine Combination in Transient and Permanent Ischemia

Radhika Rastogi, Xiaokun Geng, Yuchuan Ding, Wayne State Univ Sch of Med, Detroit. MI

#### Poster Board Number P121 / Presentation Number TP121

National Patterns of Carotid Revascularization in the Pre- and Post- Crest Era Fadar O Otite, Priyank Khandelwal, Amer M Malik, Seemant Chaturvedi, Univ of Miami/Jackson Memorial Hosp, Miami, FL

#### Poster Board Number P122 / Presentation Number TP122

### Are Aortic and Carotid Atherosclerosis Parallel or Divergently Associated with Cerebrovascular Disease in Systemic Lupus Erythematous?

Luis P Roldan, Ernest R Green, UNM, Albuquerque, NM; Paola C Roldan, Univ of Colorado, Denver, CO; Clifford R Qualls, Wilmer L Sibbitt, Carlos A Roldan, UNM, Albuquerque, NM

#### Poster Board Number P123 / Presentation Number TP123

#### Efficacy of Staged Angioplasty to Prevent Cerebral Hyperperfusion Syndrome After Endovascular Revascularization for Carotid Artery Stenosis

Mikito Hayakawa, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Tomohito Hishikawa, Kenji Sugiu, Okayama Univ Graduate Sch of Med, Okayama, Japan; Hiroshi Yamagami, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Nobuyuki Sakai, Kobe City Medical Ctr General Hosp, Kobe, Japan; Koji lihara, Graduate Sch of Medical Sciences Kyusyu Univ, Fukuoka, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Hidenori Oishi, Juntendo Univ Sch of Med, Tokyo, Japan; Yasushi Ito, Brain Reserch Inst, Niigata Univ, Niigata, Japan; Yuji Matsumaru, Toranomon Hosp, Tokyo, Japan; Shinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan; STOP CHS study group

#### Poster Board Number P124 / Presentation Number TP124

### Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Stroke: South Asian Experience

Saadat Kamran, Naveed Akhtar, Zain A Bhutta, Abdul Salam, Hamad Medical Corp, Doha, Qatar; Aymen Alboudi, Rashid Hosp, Dubai, United Arab Emirates; Hiba Rashid, Kainat Kamran, Hamad Medical Corp, Doha, Qatar; Arsalan Ahmed, Shifa Hosp, Islamabad, Pakistan; Ahmed M Own, Hamad Medical Corp, Doha, Qatar; Sohail A Rukun, Jihad Inshasi, Rashid Hosp, Dubai, United Arab Emirates; Dirk Deleu, Ghanim A Sulaiti, Ashfaq Shuaib, Hamad Medical Corp, Doha, Qatar

#### Poster Board Number P125 / Presentation Number TP125

### Distinct Roles of Endothelial Dysfunction and Inflammation in Intracranial Atherosclerotic Stroke

Jong-Won Chung, Hyun Ah Choi, Mi Ji Lee, Joon Hwa Lee, Moo-Seok Park, Woo-Keun Seo, Gyeong-Moon Kim, Chin-Sang Chung, Kwang Ho Lee, Oh Young Bang, Samsung Medical Ctr, Seoul, Korea, Republic of

#### Poster Board Number P126 / Presentation Number TP126

Ocular Circulation in Carotid Artery Stenosis Treated by CEA or CAS Shoichiro Kawaguchi, Hisanobu Kurioka, Hanna Chuo Hosp, Ikoma, Japan

#### Poster Board Number P127 / Presentation Number TP127

### Mortality and Recurrence in Atherosclerotic Ischemic Stroke: Long-term Follow-up

Miguel A Barboza, Rodrigo Uribe, Fabiola Serrano, Luis C Becerra-Pedraza, D Katherine Mantilla-Barbosa, Antonio Arauz, Insto Nacional de Neurología y Neurocirugía, Manuel Velasco Suárez, México DF, Mexico

#### Poster Board Number P128 / Presentation Number TP128

# Prognosis and Stratification of High-risk Patients with Mild (<50%), but Unstable Stenosis of Internal Carotid Artery – Multi-center Observational Study in Japan

Satoshi Kuroda, Univ of Toyama, Toyama, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Masaaki Uno, Kawasaki Medical Sch, Kurashiki, Japan; MUSIC Study Investigators

#### Poster Board Number P129 / Presentation Number TP129

### Factor VIII in Acute Cerebral Ischemia Trial – Biomarker in Patients with Large Vessel Occlusion?

Digvijaya D Navalkele, Tulane Univ, New Orleans, LA; Amelia Boehme, Columbia Univ, New York, NY; Karen Albright, UAB, Birmingham, AL; Cindy Leissinger, Tulane Univ, New Orleans, LA; Ramy El Khoury, Cobalt Rehabilitation Hosp of New Orleans and AMG Physical Rehabilitation Hosp, New Orleans, LA; Melissa Freeman, Touro Infirmary, New Orleans, LA; Laurie Schluter, Sheryl Martin-Schild, Touro Infirmary and New Orleans East Hosp, New Orleans, LA

#### Poster Board Number P131 / Presentation Number TP131

### Use of Fixed-Dose Heparin Protocol for Carotid Angioplasty and Stenting in Patients with Symptomatic Carotid Stenosis

M Fareed K Suri,MD, Muhammad Shah Miran,MD, CentraCare St Cloud Hosp, StCloud, MN; Ahmed Riaz,MD, Mohammad Rauf Afzal, MD, ZQSI, StCloud, MN; Iryna Lobanova, MD, ZQSI, Minneapolis, MN; Adnan I Qureshi,MD, ZQSI, StCloud, MN

#### Poster Board Number P132 / Presentation Number TP132

### Selection and Activation of Sites in a Large Multi-Center Randomized Clinical Trial

Bart M Demaerschalk, Mayo Clinic, Phoenix, AZ; Robert D Brown Jr, Mayo Clinic, Rochester, MN; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; MeeLee Tom, Rutgers Univ New Jersey Medical Sch, Newark, NJ; Mary E Longbottom, Mayo Clinic, Jacksonville, FL; Jenifer H Voeks, Medical Univ of South Carolina, Charleston, SC; Eldina Kadiric, Mayo Clinic, Jacksonville, FL; Brajesh K Lal, Univ of Maryland, Baltimore, MD; James F Meschia, Thomas G Brott, Mayo Clinic, Jacksonville, FL

#### Poster Board Number P133 / Presentation Number TP133

Interactive Development of Direct and Indirect Bypass After Combined Revascularization for Moyamoya Disease: The Significance of Indirect Bypass Kikutaro Tokairin, Haruto Uchino, Ken Kazumata, Masaki Ito, Naoki Nakayama, Kiyohiro Houkin, Hokkaido Univ Graduate Sch of Med, Sapporo, Japan

#### Poster Board Number P134 / Presentation Number TP134

### Carotid Endarterectomy for Symptomatic Low-grade Stenosis Refractory to Medical Treatment

Kazumichi Yoshida, Kyoto Univ, Kyoto, Japan

#### Poster Board Number P135 / Presentation Number TP135

### Late Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Stroke: Role of Infarct Growth

Saadat Kamran, Naveed Akhtar, Abdul Salam, Hamad Medical Corp, Doha, Qatar; Aymen Alboudi, Rashid Hosp, Dubai, United Arab Emirates; Kainat Kamran, Hamad Medical Corp, Doha, Qatar; Arsalan Ahmed, Shifa Hosp, Islamabad, Pakistan; Zain A Bhutta, Furqan B Irfan, Ashfaq Shuaib, Hamad Medical Corp, Doha, Qatar

#### **Clinical Rehabilitation and Recovery Posters II**

TP136 - TP155

#### Poster Board Number P136 / Presentation Number TP136

### The Effect of Caregivers on Motivation to Improve Daily Physical Activity After Stroke

Orla C Sheehan, Matthew G Weinstein, Alka Ahuja, Ctr on Aging and Health, Johns Hopkins Univ, Baltimore, MD; Victor C Urrutia, Elisabeth B Marsh, Johns Hopkins Univ, Baltimore, MD; David L Roth, Ctr on Aging and Health, Johns Hopkins Univ, Baltimore, MD; Jennifer A Schrack, Johns Hopkins Univ, Baltimore, MD

#### Poster Board Number P137 / Presentation Number TP137

### Robotic Upper Limb Therapy by a Trained Volunteer on an Inpatient Stroke Rehabilitation Unit

Lisa Spinelli, Christine Trudell, Lisa Edelstein, Mike Reding, Burke Rehab Hosp, White Plains, NY

#### Poster Board Number P138 / Presentation Number TP138

### Repeated Bilateral Multifocal Cortical Magnetic Stimulation with a New Wearable Transcranial Stimulator in Chronic Ischemic Stroke

Santosh Helekar, Blessy John, Houston Methodist Res Inst, Houston, TX; Rafferty Laredo, Cynthia Card, Personal Physician Group LLP, Houston, TX; Charles McCane, Houston Methodist Hosp, Houston, TX; Rebecca Clearman, Personal Physician Group LLP, Houston, TX; David Chiu, Houston Methodist Hosp, Houston, TX

#### Poster Board Number P140 / Presentation Number TP140

### Very Early Mobilization In Critically III Stroke Patients With Primary Intracerebral Hemorrhage

Mona N Bahouth, Johns Hopkins Sch of Med, Baltimore, MD; Melinda Power, Johns Hopkins Sch of Public Health, Baltimore, MD; Elizabeth Zink, Sowmya Kumble, Sandra Deluzio, Johns Hopkins Hosp, Baltimore, MD; Victor Urrutia, Robert Stevens, Johns Hopkins Sch of Med, Baltimore, MD

#### Poster Board Number P141 / Presentation Number TP141

# Combined Cortical and Peripheral Nerve Stimulation Effects in Patients with Stroke and Moderate to Severe Upper Limb Motor Impairments: A Crossover, Randomized Study

Isabella Menezes, Hosp das Clinicas/Sao Paulo Univ, Sao Paulo, Brazil; Leonardo Cohen, NINDS, NIH, Bethesda, MD; Eduardo Mello, Juliana Conti, Hosp das Clinicas/Sao Paulo Univ, Sao Paulo, Brazil; Andre Machado, Cleveland Clinic, Cleveland, OH; Sarah Anjos, Hosp das Clinicas/Sao Paulo Univ, Sao Paulo, Brazil; P Hunter Peckham, Case Western Reserve Univ, Cleveland, OH; Ela Plow, Cleveland Clinic, Cleveland, OH; Inara Siqueira, Talita Torres, Adriana Conforto, Hosp das Clinicas/Sao Paulo Univ, Sao Paulo. Brazil

#### Poster Board Number P142 / Presentation Number TP142

Cerebellar Transcranial Direct Stimulation to Augment Aphasia Therapy Rajani Sebastian, Donna Tippett, Pablo Celnik, Argye E Hillis, Johns Hopkins Univ SOM, Baltimore, MD

#### Poster Board Number P143 / Presentation Number TP143

### Sensor-based Assistive Technology to Aid Arm Recovery in Stroke and Its Effectiveness: A Systematic Review

Aneel Kumar Maheshwari, Paulette van Vliet, Irene Hudson, James Welsh, Univ of Newcastle, Australia, Callaghan NSW, Australia

#### Poster Board Number P144 / Presentation Number TP144

### EEG-Based Brain Computer Interface Therapy for the Restoration of Distal Upper Extremity Motor Function

Alexander Remsik, Hemali Advani, Shruti Rajan, Kieth Dodd, Tyler Jacobson, Ali Dusek, Joshua LaRocque, Veena Nair, Dorothy Edwards, Vivek Prabhakaran, Univ of Wisconsin Madison, Madison, WI

#### Poster Board Number P145 / Presentation Number TP145

Anodal 2mA Transcranial Direct Current Stimulation Over Affected Parietal-Insular-vestibular Cortex Shows No Effect on Lateropulsion Following Strokei Suzanne Babyar, Burke Rehab Hosp, White Plains, NY; Taiza Santos-Pontelli, Ribeirao Preto Medical Sch, Univ of Sao Paulo, San Pauli, Brazil; Tenysson Will-Lemos, Suleimy Mazin, Ribeirao Preto Medical Sch, Univ of Sao Paulo, Sao Paulo, Brazil; Dylan Edwards, Non-Invasive Brain Stimulation and Human Motor Control Lab, Burke-Cornell Medical Res Inst, White Plains, NY; Michael Reding, Burke Rehab Hosp, White Plains, NY

#### Poster Board Number P146 / Presentation Number TP146

### Vagus Nerve Stimulation Paired With Rehabilitation To Improve Upper Limb Function

Jesse Dawson, Univ of Glasgow, Glasgow, United Kingdom; Theresa Jackson Kimberley, Univ of Minnesota, Glasgow, MN; Gerard E Francisco, Univ of Texas, Houston, TX; Patricia Smith, UT Southwestern Medical Ctr, Dallas, TX; Steven C Cramer, Univ of California, Irvine, CA; Jane Wigginton, UT Souhwestern Medical Ctr, Dallas, TX; Nuray Yozbatiran, Univ of Texas, Houston, TX; S Wolf, Emory U Sch of Med, Atlanta, GA; Brent Tarver, David Pearce, Navzer Engineer, Microtransponder Inc, Dallas, TX

#### Poster Board Number P147 / Presentation Number TP147

#### Central Post Stroke Pain: A Systematic Review

Jonathan Singer, SUNY Downstate, Brookyn, NY; Alyssa Conigliaro, Kings County Hosp Ctr, Brookyn, NY; Elizabeth Spina, NYIT Coll of Osteopathic Med, Old Westbury, NY; Susan Law, Kings County Hosp Ctr, Brookyn, NY; Steven Levine, SUNY Downstate, Brookyn, NY

#### Poster Board Number P148 / Presentation Number TP148

#### Characteristics and Estimated Rehabilitation Costs for Stroke Survivors Treated in a Community-Based Interdisciplinary Outpatient Rehabilitation Program Who Return to Work

Joan Breen, Jeanne Andrusin, Tom Ferlito, Samantha Hobbs, Whittier Rehabilitation Hosp, Haverhill, MA

#### Poster Board Number P150 / Presentation Number TP150

#### Two Weeks of Ischemic Preconditioning Training on the Paretic Leg Improves Leg Strength and Delays Muscle Fatigue in Chronic Stroke

Matthew J Durand, Medical Coll of Wisconsin, Milwaukee, WI; Spencer A Murphy, Brian D Schmit, Marquette Univ, Milwaukee, WI; David D Gutterman, Medical Coll of Wisconsin, Milwaukee, WI; Allison S Hyngstrom, Marquette Univ, Milwaukee, WI

#### Poster Board Number P151 / Presentation Number TP151

### Association of Splenic Contraction And Development of Systemic Inflammatory Response Syndrome After Acute Ischemic Stroke

Alicia M Zha, Bhargav Tippinayani, Jaskaren Randhawa, Nicole J Pariseau, Farhaan S Vahidy, Sean I Savitz, UT Health Science Ctr Houston, Houston, TX

#### Poster Board Number P152 / Presentation Number TP152

# Correlation of NIH Stroke Scale and Fugl-Meyer Motor Scales in a Longitudinal Stroke Recovery Study: Implication for Feasibility Survey for Stroke Rehabilitation Trial

Pratik Chhatbar, Hernan Bayona, Medical Univ of South Carolina, Charleston, SC; Gottfried Schlaug, Beth Israel Deaconess Medical Ctr, Charleston, MA; Wayne Feng, Medical Univ of South Carolina. Charleston. SC

#### Poster Board Number P153 / Presentation Number TP153

### Post Stroke Fatigue and Depression Predict Lower Health Related Quality of Life in Stroke Patients

Gregory Toy, Jonathan Singer, Clotilde Balucani, Dimitre Stefanov, Alisen Huang, Douglas Halket, Jack Mlabasati, Alam Ahmed, Nadege Gilles, Steven Levine, SUNY Downstate Medical Ctr, Brooklyn, NY

#### Poster Board Number P154 / Presentation Number TP154

#### Infarct Volume and Prolonged Intubation are Critical Determinants of Inpatient Rehabilitation Cost in Anterior Circulation Large Vessel Occlusion Stroke Patients

Christopher Streib, Univ of Minnesota Medical Ctr, Minneapolis, MN; Srikant Rangaraju, Emory, Atlanta, GA; Ashutosh Jadhav, Tudor Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA

#### Poster Board Number P155 / Presentation Number TP155

#### Weight Loss and Functional Outcomes After Stroke

Nnana Amakiri, Cornell Univ, Ithaca, NY; Michael Reding, Carolin I Dohle, Burke Rehabilitation Hosp, White Plains, NY

#### Community/Risk Factors Posters II

TP156 - TP208

#### Poster Board Number P156 / Presentation Number TP156

### Race, Age and Other Differences in the Perceived Harm of Having a Stroke: The REGARDS Study

Virginia J Howard, Shauntice Allen, Univ of Alabama-Birmingham, Birmingham, AL; Dawn O Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Dawn M Aycock, Georgia State Univ, Atlanta, GA; Aaron M Anderson, Emory Univ, Atlanta, GA; George Howard, Univ of Alabama-Birmingham, Birmingham, AL

#### Poster Board Number P157 / Presentation Number TP157

Rates of Spinal Cord Infarction After Repair of Aortic Aneurysm or Dissection
Gino Gialdini, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind
Res Inst, Weill Cornell Med, New York City, NY; Alexander E Merkler, Neal S Parikh,
Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and
Dept of Neurology, Weill Cornell Med, New York City, NY; Michael P Lerario, Dept of
Neurology, Weill Cornell Med and Dept of Neurology New York Presbyterian Queens,
New York City, NY; Abhinaba Chatterjee, Clinical and Translational Neuroscience Unit,
Feil Family Brain and Mind Res Inst, Weill Cornell Med, New York City, NY; Hooman
Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res
Inst and Dept of Neurology, Weill Cornell Med, New York City, NY

#### Poster Board Number P158 / Presentation Number TP158

#### Adductor Pollicis Muscle Thickness Alone or in Combination with Obesity is Associated with Poor Outcome 90 Days After Stroke

Juli T Souza, Gabriel P Braga, Priscila W Ribeiro, Gustavo J Luvizutto, Bertha F Polegato, Marcos F Minicucci, Leonardo A Zornoff, Sérgio A Paiva, Silméia G Bazan, Rodrigo Bazan, Paula S Azevedo, Sao Paulo State Univ Júlio de Mesquita Filho, Roducatu, Brazil

#### Poster Board Number P159 / Presentation Number TP159

#### Risk of Ischemic Stroke in Patients with Atrial Flutter

Mais Al-Kawaz, Setareh Salehi Omran, Neal S Parikh, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Dept of Neurology, Weill Cornell Med, New York, NY; Mitchell SV Elkind, Dept of Neurology, Columbia Univ Coll of Physicians and Surgeons, New York, NY; Elsayed Z Soliman, Epidemiological Cardiology Res Ctr, Dept of Epidemiology and Prevention, Wake Forest Univ Sch of Med, Winston-Salem, NC; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P160 / Presentation Number TP160

### Predicting Bone Fracture After Stroke—The Fracture Risk After Ischemic Stroke (FRAC-Stroke) Score

Eric E Smith, Univ of Calgary, Calgary, AB, Canada; Jiming Fang, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Shabbir M Alibhai, Peter M Cram, Angela M Cheung, Leanne K Casaubon, Frank L Silver, Peter C Austin, Moira K Kapral, Univ of Toronto, Toronto, ON, Canada

#### Poster Board Number P161 / Presentation Number TP161

### Low Free Triiodothyronine on Admission Should Be Associated With Post-stroke Infection in Acute Stroke Patients

Satoshi Suda, Takashi Shimoyama, Yohei Takayama, Takahiro Ouchi, Masafumi Arakawa, Shizuka Suzuki, Seiji Okubo, Junya Aoki, Kentaro Suzuki, Masahiro Mishina, Kazumi Kimura, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P162 / Presentation Number TP162

### Specific Inflammatory Mediators Associated With Incident Ischemic Stroke and Individual Ischemic Stroke Subtypes

Souvik Sen, USC Sch of Med, Columbia, SC; Steven Offenbacher, Kevin Moss, UNC Chapel Hill Sch of Dentistry, Chapel Hill, NC; Lauren D Giamberardino, USC Sch of Med, Columbia, SC; Wayne Rosamond, UNC Gillings Sch of Global Public Health, Chapel Hill, NC

#### Poster Board Number P163 / Presentation Number TP163

# The Relationship Between PAP Adherence and Optimal Cardiovascular Disease Protective Regimen Prescription Depends on Race Among Veterans With Obstructive Sleep Apnea

Erika T Marulanda-Londoño, Douglas M Wallace, Habibullah Ziayee, Seemant Chaturvedi, Univ of Miami Miller Sch of Med, Miami, FL; William K Wohlgemuth Jr, Bruce W Carter VA Medical Ctr, Miami, FL

#### Poster Board Number P164 / Presentation Number TP164

### Blood Pressure and Heart Rate Measures and Risk of Covert Brain Infarction and Worsening White Matter in Older Adults

Lester Y Leung, Tufts Medical Ctr, Boston, MA; Traci M Bartz, Kenneth Rice, James Floyd, Bruce Psaty, Univ of Washington, Seattle, WA; Jose Gutierrez, Columbia Univ Medical Ctr, New York, NY; Will Longstreth Jr, Univ of Washington, Seattle, WA; Kenneth J Mukamal, Beth Israel Deaconess Medical Ctr, Boston, MA

#### Poster Board Number P165 / Presentation Number TP165

#### Associations Between Parkinson Disease and Stroke

Benjamin R Kummer, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med and Dept of Biomedical Informatics, Columbia Univ Medical Ctr, New York, NY; Ashley E Aaroe, Hooman Kamel, Costantino ladecola, Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P166 / Presentation Number TP166

### The Topmost Modifiable Risk Factors for Stroke Among People of African Ancestry

Mayowa O Owolabi, Univ of Ibadan, Ibadan, Nigeria; Fred S Sarfo, Kwame Nkrumah Univ of Science & Technology, Kumasi, Ghana; Onoja Akpa, Univ of Ibadan, Ibadan, Nigeria; Mulugeta Gebregziabher, Medical Univ of South Carolina, South Carolina, SC; Rufus Akinyemi, Univ of Ibadan, Ibadan, Nigeria; Kevin Armstrong, Medical Univ of South Carolina, SC; Albert Akpalu, Univ of Ghana Medical Sch, Accra, Ghana; Hemant Tiwari, Donna Arnett, Univ of Alabama at Birmingham, Alabama, AL; Reginald Obiako, Ahmadu Bello Univ, Zaria, Nigeria; Lukman Owolabi, Aminu Kano Teaching Hosp, Kano, Nigeria; Kolawole Wahab, Ilorin Univ, Ilorin, Nigeria; Ezinne S Melikam, Univ of Ibadan, Ibadan, Nigeria; Raelle Saulsom, Dan Lackland, Carolyn Jenkins, Medical Univ of South Carolina, South Carolina, SC; Omoyisola Arulogun, Univ of Ibadan, Ibadan, Nigeria; Bruce Ovbiagele, Medical Univ of South Carolina, SC; SIREN

#### Poster Board Number P168 / Presentation Number TP168

### A Community Education Program Across a Large Stroke Network Uncovers Disparities

Lisa M Bellamy, Kelley L Elkins, Jillian C Richardson, Crystal D Vires-Smith, Michael R Dobbs, Norton Healthcare/UK HealthCare, Lexington, KY

#### Poster Board Number P169 / Presentation Number TP169

#### **Neuroprotective Effect of Pre-stroke Statin Therapy**

Maria Cristina Zurrú, Claudia Alonzo, Laura Brescacín, Geraldina Linares, Natalia Balian, Ariel Luzzi, Luis Cámera, Gabriel Waisman, Edgardo Cristiano, Hosp Italiano de Buenos Aires, Buenos Aires, Argentina

#### Poster Board Number P170 / Presentation Number TP170

# Age and Race Disparities of Cardioembolic and Cryptogenic Strokes Over Time Stacie L Demel, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Jane C Khoury, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Charles J Moomaw, Kathleen Alwell, Brett M Kissela, Pooja Khatri, Daniel Woo, Matthew L Flaherty, Simona Ferioli, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Jason Mackey, Indiana Univ, Bloomington, IN; Felipe De Los Rios la Rosa, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Opeolu Adeoye, Joseph P Broderick, Dawn O Kleindorfer, Univ of Cincinnati Medical Ctr, Cincinnati, OH

#### Poster Board Number P171 / Presentation Number TP171

### Differences Between Men and Women in Long-term Participation Restriction After Stroke: The International Stroke Outcomes Study (INSTRUCT)

Hoang T Phan, Leigh Blizzard, Menzies Inst for Medical Res, Hobart, Tasmania, Australia; Mathew J Reeves, Dept of Epidemiology and Biostatistics, Michigan State Univ, East Lansing, MI; Amanda G Thrift, Dominique Cadilhac, Dept of Med, Sch of Clinical Sciences at Monash Health, Monash Univ, Clayton, Vic, Australia; Jonathan Sturm, Faculty of Health and Med, Univ of Newcastle, Newcastle, NSW, Australia; Emma Heeley, The George Inst for Global Health, Univ of Sydney, Sydney, NSW, Australia; Valery Feigin, Priya Parmar, Rita Krishnamurthi, Natl Inst for Stroke and Applied Neurosciences, Sch of Public Health and Psychosocial Studies, Auckland, New Zealand; Suzanne Barker-Collo, Sch of Psychology, Univ of Auckland, Auckland, New Zealand; Varsha Parag, Clinical Trials Res Unit, Univ of Auckland, Auckland, New Zealand; Vemmos Konstantinos, Dept of Med, Larissa Univ Hosp, Sch of Med, Univ of Thessaly, Larissa, Greece; Craig Anderson, The George Inst for Global Health, Univ of Sydney, Sydney, NSW, Australia; Yannick Bejot, Univ of Burgundy, Univ Hosp of Dijon, Dijon, France; Norberto Cabral, Clinica Neurológica de Joinville, Joinville Stroke Registry, Univ of Joinville Region-Univille, Joinville, Brazil; Antonio Carolei, Simona Sacco, Dept of Biotechnological and Applied Clinical Sciences, Neurological Inst, Univ of L'Aquila, L'Aquila, Italy; Nicolas Chausson, Stroke Unit, Ctr Hospier Sud Francilien, Corbeil-Essonnes, France; Stephane Olindo, Dept of Neurology, Univ Hosp of Martinique, Fort de France, Martinique French West Indies, France; Carolina Silva, Manuel Correia, Rui Magalhães, UNIFAI, Insto de Ciências Biomédicas de Abel Salazar, Univ do Porto, Porto, Portugal; Peter Appelros, Dept of Neurology, Faculty of Med and Health, Örebro Univ. Örebro, Sweden: Janika Korv, Rijna Vibo, Dept of Neurology and Neurosurgery, Univ of Tartu, Tartu, Estonia; Cesar Minelli, Neurologic Ctr of Res and Rehabilitation and Hosp Carlos Fernando Malzoni, Matao, São Paulo, Brazil: Petr

#### Poster Board Number P172 / Presentation Number TP172

### Pulmonary Function and White Matter Hyperintensity in Neurologically Healthy Adults

Han-Yeong Jeong, Aerospace Medical Ctr, Cheongju, Korea, Republic of; Jin Ho Park, Seoul Natl Univ Hosp, Seoul, Korea, Republic of; Hyung-Min Kwon, Seoul Metropolitan Government-Seoul Natl Univ Boramae Medical Ctr, Seoul, Korea, Republic of

#### Poster Board Number P173 / Presentation Number TP173

# Kidney Dysfunction and Silent Brain Infarction in Generally Healthy Adults Hyung-Min Kwon, Boramae Medical Ctr, Seoul, Korea, Republic of; Sang Hyuck Kim, Dong Wook Shin, Jae Moon Yun, Ji Eun Lee, Seoul Natl Univ Hosp, Seoul, Korea, Republic of; Jae-Sung Lim, Hallym Univ Sacred Heart Hosp, Anyang, Korea, Republic of; Be Long Cho, Jin-Ho Park, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

#### Poster Board Number P174 / Presentation Number TP174 Nonfocal Symptoms in Patients With Transient Ischemic Attack: The PROMISE-TIA Registry

Toshiya Ishihara, Shoichiro Sato, Toshiyuki Uehara, Tomoyuki Ohara, Mikito Hayakawa, Kazunori Toyoda, Kazuo Minematsu, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; PROMISE-TIA Registry Investigators

#### Poster Board Number P175 / Presentation Number TP175

#### Migraines and the Risk of Hemorrhagic Stroke

Muhammad Umar Farooq, Mercy Health Saint Mary's, Grand Rapids, MI; Kathie Thomas, American Heart Association/American Stroke Association, Grand Rapids, MI

#### Poster Board Number P176 / Presentation Number TP176

### Carotid Arterial Diameters as an Effect Modifier of Pulsatile Hemodynamics and Brain Perivascular Spaces

Jose Gutierrez, Columbia Univ, New York, NY; Chuanhui Dong, Univ of Miami, Miami, FL; Mitchell Elkind, Columbia Univ, New York, NY; Noam Alperin, Ahmet Bagci, Univ of Miami, Miami, FL; Consuelo Mora McLaughlin, Columbia Univ, New York, NY; Ralph L Sacco, Clinton B Wright, Univ of Miami, Miami, FL; Tatjana Rundek, Univ of Miami, Miami, GA

#### Poster Board Number P177 / Presentation Number TP177

### Long-term Stroke Risk in Patients Diagnosed with Hypertensive Encephalopathy

Michael P Lerario, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, Weill Cornell Med, and New York-Presbyterian Queens, New York, NY; Alexander E Merkler, Gino Gialdini, Neal S Parikh, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Weill Cornell Med, New York, NY; Gary L Bernardini, Weill Cornell Med and New York-Presbyterian Queens, New York, NY; Hooman Kamel, Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Weill Cornell Med, New York, NY

#### Poster Board Number P178 / Presentation Number TP178

### Thrombi Occluding the Intracranial Artery Are Larger in Stroke Patients With Atrial Fibrillation in the Presence of Spontaneous Echo Contrast

Kyoungsub Kim, Joonsang Yoo, Hyo Suk Nam, Young Dae Kim, Geu-Ru Hong, Hye Sun Lee, Ji Hoe Heo, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

#### Poster Board Number P179 / Presentation Number TP179

#### Sex Differences in Stroke Risk Factors and Severity at Presentation

Kathryn K McCaslin, Adrienne Dula, Ben King, Steven Warach, Seton Healthcare, Austin, TX

#### Poster Board Number P180 / Presentation Number TP180

### DERrAME: Disparities Among Ethnicities Regarding rt-PA in Acute Stroke Management and Evaluations

David T Nguyen, James P Ho, Mohsen Pirastehfar, Rajiv Narula, Lovella Hailey, Melissa Mortin, Karen Rapp, Kunal Agrawal, Branko Huisa, Royya Modir, Dawn Meyer, Thomas Hemmen, UC San Diego, San Diego, CA; Chelsea Kidwell, Univ of Arizona, Tucson, AZ; Brett C Meyer, UC San Diego, San Diego, CA

#### Poster Board Number P181 / Presentation Number TP181

### Albuminuria Should Be A Strong Predictor Of Acute Kidney Injury in Acute Ischemic Stroke Patients

Takashi Shimoyama, Satoshi Suda, Yohei Takayama, Takahiro Ouchi, Masafumi Arakawa, Shizuka Suzuki, Seiji Okubo, Masahiro Mlshina, Kazumi Kimura, Dept of Neurological Science, Graduate Sch of Med, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P182 / Presentation Number TP182

#### Early Sleep Apnea in Acute Ischemic Stroke

Cindy W Yoon, Hee-Kwon Park, Soo Jeong Kim, Eungseok Lee, Dan A Oh, Sangwon Lee, Hae-in Park, Joung-Ho Rha, Inha Univ Sch of Med, Incheon, Korea, Republic of

#### Poster Board Number P183 / Presentation Number TP183

#### **Food Insecurity Screening in Stroke Patients**

Lakshmi Warrior, Michael Kelly, Kathy Chan, John H Stroger Hosp of Cook County, Chicago, IL

#### Poster Board Number P184 / Presentation Number TP184

Impact on Ischemic Stroke Subtypes of Fasting and Non-fasting Triglycerides
Jun Yup Kim, Moon-Ku Han, Seoul Natl Univ Bundang Hosp, Seongnam, Korea,
Republic of; Kyung Bok Lee, Soonchunhyang Univ Hosp, Seoul, Korea, Republic of;
Keun-Sik Hong, Yong-Jin Cho, Ilsan Paik Hosp, Goyang, Korea, Republic of; Tai Hwan
Park, Sang-Soon Park, Seoul Medical Ctr, Seoul, Korea, Republic of; Jong-Moo Park,
Kyusik Kang, Eulji General Hosp, Seoul, Korea, Republic of; Soo Joo Lee, Eulji Univ
Hosp, Daejeon, Korea, Republic of; Young-Chai Ko, Incheon Sarang Hosp, Incheon,
Korea, Republic of; Jun Lee, Yeungnam Univ Hosp, Daegu, Korea, Republic of;
Jae-Kwan Cha, Dae-Hyun Kim, Dong-A Univ Hosp, Busan, Korea, Republic of;
Byung-Chul Lee, Kyung-Ho Yu, Mi-Sun Oh, Hallym Univ Coll of Med, Anyang, Korea,
Republic of; Ji Sung Lee, Asan Medical Ctr, Seoul, Korea, Republic of; Juneyoung Lee,
Korea Univ Coll of Med, Seoul, Korea, Republic of; Hee-Joon Bae, Seoul Natl Univ
Bundang Hosp, Seongnam, Korea, Republic of

#### Poster Board Number P185 / Presentation Number TP185

# Impact of Age on Revascularization and Early Outcomes Post Mechanical Thrombectomy in Acute Ischemic Strokes with Large Vessel Occlusion; A Single Center Real World Data Analysis

Muhammad H Niazi, Mohammad El-Ghanem, Kevin Cockroft, Kathy Morrison, Alicia Richardson, Reichwein Raymond, David Ermak, Hershey Medical Ctr Penn State Univ, Hershey, PA

#### Poster Board Number P186 / Presentation Number TP186

### High Hospital Mortality Among Non-black Stroke Patients with Metabolic Syndrome

Digvijaya D Navalkele, Tulane Univ, New Orleans, LA; Amelia K Boehme, Columbia Univ, New York, NY; Kelly Harmon, Tulane Univ, New Orleans, LA; Laurie Schluter, Touro Infirmary and New Orleans East Hosp, New Orleans, LA; Melissa Freeman, Touro Infirmary, New Orleans, LA; Ramy El Khoury, Cobalt Rehabilitation Hosp of New Orleans and AMG Physical Rehabilitation Hosp, New Orleans, LA; Sheryl Martin-Schild, Touro Infirmary and New Orleans East Hosp, New Orleans, LA

#### Poster Board Number P187 / Presentation Number TP187

#### Low Sensitivity and High Specificity of Administrative Data for Transient Ischemic Attacks in the Emergency Department

Amy Y Yu, Hude Quan, Andrew McRae, Gabrielle O Wagner, Shelagh B Coutts, Michael D Hill, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number P188 / Presentation Number TP188

### Migraine History is the Only Predictor of Negative Diffusion Weighted Imaging in Patients Treated with IV-Thrombolytic

Jussie Lima, Tapan Mehta, Neil Datta, Ekaterina Bakradze, Dawn Beland, Hartford Hosp – Univ of Connecticut, Hartford, CT; Ilene Staff, Gilbert Fortunato, Hartford Hosp, Hartford, CT; Amre Nouh, Hartford Hosp – Univ of Connecticut, Hartford, CT

#### Poster Board Number P189 / Presentation Number TP189

#### Age of Menarche and Risk of Future Strokes in Women

Haseeb A Rahman, Houston Methodist Hosp, Houston, TX; Ahmed Malik, SUNY Upstate Medical Univ, Syracuse, NY; Aesha Rahman, , Louisville, KY; Saqib Chaudhry, Michigan State Univ, East Lansing, MI; Abraham Thomas, Houston Methodist Hosp, Houston, TX; Malik Adil, Ochsner Medical Ctr, New Orleans, LA; Adnan Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P190 / Presentation Number TP190

The Effectiveness of a Person-centered Empowerment-based Selfmanagement Intervention in Reducing Risk of Stroke Among Male Patients With Poorly Controlled Type 2 Diabetes: A Mixed-method Study

Li Cheng, Janet W H Sit, Sek-ying Chair, The Chinese Univ of Hong Kong, Hong Kong, Hong Kong

#### Poster Board Number P192 / Presentation Number TP192

### Epidemiological Characteristics and Outcomes of Takayasu's Arteritis in Acute Ischemic Stroke Hospitalization

Siddharth Bhesania, New York Methodist Hosp, Brooklyn, NY; Urvish K Patel, Icahn Sch of Med at Mount Sinai, New york, NY; Abhishek Lunagariya, Uni of Florida, Gainesville, FL; Achint Patel, Uni of Arkansas for Medical Science, Little Rock, AR; Mihir Dave, Detroit Medical Ctr, Detroit, MI; Janki Patel, Icahn Sch of Med at Mount Sinai, New york, NY; Harshil Shah, Ichan Sch of Med at Mount Sinai, New York, NY; Priti Poojary, Aparna Saha, Icahn Sch of Med at Mount Sinai, New york, NY; Liseth Lavado, New Jersey City Univ, Jersey City, NJ; Parag Mehta, New York Methodist Hosp, Brooklyn, NY; Vishal Jani, Creighton Univ, Omaha, NE; Adnan Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P193 / Presentation Number TP193

### Trends in Prevalence and Clinical Impact of Socio-demographic Indicators and Multiple Chronic Conditions in Stroke and Transient Ischemic Attack

Mohammed Yousufuddin, Jessica Shultz, Heather Sheely, Mayo Clinic Health System, Austin, MN; Mouaz Alsawas, MHassan Murad, Mayo Clinic, Rochester, MN

#### Poster Board Number P194 / Presentation Number TP194

### Past Treatment With Antithrombotic Agents and the Presence of Cerebral Microbleeds in Patients With Acute Ischemic Stroke

Asako Nakamura, Masahiro Yasaka, Takahiro Kuwashiro, Seiji Gotoh, Go Takaguchi, Yasuyuki Nakanishi, Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka. Japan

#### Poster Board Number P195 / Presentation Number TP195

### Effect of Socioeconomic Inequality and Comorbidity on the Association Between Ambient Temperature and Ischemic Stroke

Seong-Kyung Cho, Yonsei Univ Coll of Med, Seoul, Korea, Republic of; Jaelim Cho, Gachon Univ Gil Medical Ctr, Incheon, Korea, Republic of; Changsoo Kim, Juhwan Noh, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

#### Poster Board Number P196 / Presentation Number TP196

#### Incident Atrial Fibrillation After Ischemic versus Hemorrhagic Stroke

Jens Witsch, Alexander E Merkler, Gino Gialdini, Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY; Kevin N Sheth, Div of Neurocritical Care and Emergency Neurology, New Haven, CT; Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst, New York, NY

#### Poster Board Number P197 / Presentation Number TP197

### Risk of Stroke in Women with use of Testosterone-Containing Hormone Replacement Therapy

Haseeb A Rahman, Houston Methodist Hosp, Houston, TX; Ahmed Malik, SUNY Upstate Medical Univ, Syracuse, NY; Aesha Rahman, , Louisville, KY; Saqib Chaudhry, Michigan State Univ, East Lansing, MI; Malik M Adil, Ochsner Medical Ctr, New Orleans, LA; Rajeel Imran, Houston Methodist Hosp, Houston, TX; Adnan Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN; Muhammad H Shahid, Houston Methodist Hosp, Houston, TX; Daoud T Rahman, Univ of South Florida, Tampa, FL; Rabiah Shafi, Tampa, FL; Abraham P Thomas, Houston Methodist Hosp, Houston, TX

#### Poster Board Number P198 / Presentation Number TP198

#### **Reducing Stroke Readmissions**

Jessica Douglas, Heather Ramsey, Kelly Venters, Amber Parker, Lake Cumberland Regional Hosp, Somerset, KY

#### Poster Board Number P199 / Presentation Number TP199

#### Stroke Awareness in Argentina, the Sifhon Population Survey

Daiana E Dossi, Maximiliano A Hawkes, Mauricio F Farez, Maia M Gomez Schneider, Nicolas A Torres, Virginia A Pujol Lereis, Guillermo Povedano, Federico Rodriguez Lucci, Sebastián F Ameriso, FLENI, Buenos Aires, Argentina

#### Poster Board Number P200 / Presentation Number TP200

### Urinary Albumin/creatinine Ratio Should Be Associated With White Matter Lesion Severity in First-ever Stroke Patients

Satoshi Suda, Takashi Shimoyama, Yohei Takayama, Takahiro Ouchi, Masafumi Arakawa, Shizuka Suzuki, Seiji Okubo, Junya Aoki, Kentaro Suzuki, Masahiro Mishina, Kazumi Kimura, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P201 / Presentation Number TP201

#### The Relationship Between Chronic Kidney Diseases and the Presence of Cerebral Small Vessel Disease in Patients With Acute Ischemic Stroke

Kana Ueki, Asako Nakamura, Masahiro Yasaka, Takahiro Kuwashiro, Seiji Gotoh, Go Takaguchi, Yasuyuki Nakanishi, Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan

#### Poster Board Number P202 / Presentation Number TP202

### Association of Rs7961894 with Mean Platelet Volume in Patients with Acute Ischemic Stroke

Malgorzata Miller, Nils Henninger, Univ of Massachusetts Sch of Med, Worcester, MA; Renato Umeton, Dana-Farber Cancer Inst, Boston, MA; Agnieszka Slowik, Jagiellonian Univ Medical Coll. Krakow. Poland

#### Poster Board Number P203 / Presentation Number TP203

#### Reducing Stroke Burden in Uganda

Mark Kaddumukasa, Jane Nakibuuka, James Kayima, Elly Katabira, Makerere Univ, Coll of Health Sciences, Kampala, Uganda; Carol Blixen, Martha Sajatovic, Case Western Reserve Univ, Cleveland, OH

#### Poster Board Number P204 / Presentation Number TP204

#### **Quality of Life of Caregivers Attending a Stroke Camp**

Maureen Mathews, Judith Beck, Michael Gibbons, Anna Bogner, Jan Jahnel, Lauren Kramer, Clayton McNeil, Deepak Nair, Marylee Nunley, Larry Schaer, Teresa Swanson-Devlin, Candace Couri, Manas Upadhyaya, David Wang, OSF HEALTHCARE, Peoria. IL

#### Poster Board Number P205 / Presentation Number TP205

### Framingham Stroke Risk Score Predicts Severity of Leukoaraiosis in Patients with Acute Ischemic Stroke

Ghulam Abbas Kharal, Lisa Cloonan, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Allison S Kanakis, Univ of Pittsburg Medical Ctr, Pittsburg, PA; Karen L Furie, Alpert Medical Sch of Brown Univ, Providence, RI; Natalia S Rost, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA

#### Poster Board Number P206 / Presentation Number TP206

#### The Influence of Contextual Factors on Gaps in Hypertension Management for Veterans with TIA/Minor Stroke

Jason J Sico, Yale Univeristy Sch of Med/VA Connecticut Healthcare System, Guilford, CT; Edward J Miech, Teresa M Damush, Indiana Univ Sch of Med/Richard L Roudebush VAMC, Indianapolis, IN; Ava B Keating, Indiana Univ Sch of Med, Indianapolis, IN; Gregory W Arling, Purdue Univ, West Lafayette, IN; Michael S Phipps, Univ of Maryland, Baltimore, MD; Dawn M Bravata, Indiana Univ Sch of Med/Richard L Roudebush VAMC, Indianapolis, CT

#### Poster Board Number P207 / Presentation Number TP207

### Sex Differences in Cardiovascular Risk Profiles of Patients with Diabetes in the Greater Cincinnati/ Northern Kentucky Stroke Study

Tracy E Madsen, Warren Alpert Medical Sch of Brown Univ/ Rhode Island Hosp, Providence, RI; Jane C Khoury, Cincinnati Children's Hosp Medical Ctr, Cincinnati, RI; Kathleen Alwell, Charles J Moomaw, Univ of Cincinnati, Cincinnati, OH; Stacie L Demel, Michigan State Univ, East Lansing, MI; Matthew Flaherty, Daniel Woo, Univ of Cincinnati, Cincinnati, OH; Jason Mackey, Indiana Univ, Indianapolis, IN; Felipe De Los Rios La Rosa, Univ of Cincinnati/ Baptist Hosp of Miami, Cincinnati, OH; Sharyl Martini, Michael E DeBakey VA Medical Ctr, Houston, TX; Simona Ferioli, Opeolu Adeoye, Pooja Khatri, Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, Cincinnati

#### Poster Board Number P208 / Presentation Number TP208

### Sleep Disordered Breathing (SDB) – An Overlooked Modifiable Risk Factor in Acute Stroke Care

Vishal Shah, Ashrai Gudlavalleti, Julius Gene Latorre, SUNY Upstate Medical Univ, Syracuse. NY

TP209 - TP224

#### Poster Board Number P209 / Presentation Number TP209

Treatment and Prognosis for Patients with Trousseau Syndrome: Our Therapeutic Experience and Histological Evaluation of the Retrieved Clots Daisuke Shimbo, Teine Keijinkai Hosp, Sapporo, Japan

#### Poster Board Number P210 / Presentation Number TP210

### Histopathological Evaluation of Thrombus in Acute Stroke and Correlation with Stroke Etiology

Amre Nouh, Tapan Mehta, Mohammed Hussain, Xianyuan Song, Martin Ollenschleger, Hartford Hosp – Univ of Connecticut, Hartford, CT

#### Poster Board Number P211 / Presentation Number TP211

### Plasma Cytokine Levels Differ Between Primary and Syndromic Moyamoya and Pediatric and Adult Moyamoya Disease

Jorina Elbers, Victoria Ding, Summer S Han, Yael Rossenberg-Hasson, Gary K Steinberg, Stanford Univ, Stanford, CA

#### Poster Board Number P212 / Presentation Number TP212

### Significant Association of the pR4810K Polymorphism With Quasi-moyamoya Disease

Takaaki Morimoto, Yohei Mineharu, Hatasu Kobayashi, Kouji H Harada, Takeshi Funaki, Yasushi Takagi, Kyoto Univ Graduate Sch of Med, Kyoto, Japan; Nobuyuki Sakai, Kobe City Medical Ctr General Hosp, Hyogo, Japan; Susumu Miyamoto, Akio Koizumi, Kyoto Univ Graduate Sch of Med, Kyoto, Japan

#### Poster Board Number P213 / Presentation Number TP213

#### Initial Vascular Lesion Patterns on Early Images Would Predict Vascular Outcomes in Acute Cerebral Artery Dissection

Jun Lee, Jungim Gwon, Mingyeong Kim, Yeungnam Univ Medical Ctr, Daegu, Korea, Republic of

#### Poster Board Number P214 / Presentation Number TP214

### Low Diagnostic Yield of Routine Cerebrospinal Fluid Analysis in Patients with Juvenile Stroke

Alexandra Prakapenia, Volker Puetz, Kristian Barlinn, Jessica Barlinn, Timo Siepmann, Lars-Peder Pallesen, Simon M Winzer, Anne Koehler, Heinz Reichmann, Carl Gustav Carus Univ Hosp Dresden, Dresden, Germany

# Poster Board Number P215 / Presentation Number TP215 Clinical Utility of Hypercoagulability Screening in Young Adults With Ischemic Stroke

Setareh Salehi Omran, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Michael P Lerario, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, New York Presbyterian — Queens, New York, NY; Alexander E Merkler, Gino Gialdini, Antonio Moya, Hooman Kamel, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY; Maria T DeSancho, New York Presbyterian Hosp — Weill Cornell, New York, NY; Babak B Navi, Clinical and Translational Neuroscience Unit, Feil Family Brain and Mind Res Inst and Dept of Neurology, Weill Cornell Med, New York, NY

#### Poster Board Number P216 / Presentation Number TP216

### Subtle Cardiovascular Measures in Young-onset Cryptogenic Ischemic Stroke: A Prospective Case-control Study

Nicolas Martinez-Majander, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Finland, Helsinki, Finland; Daniel Gordin, Abdominal Ctr Nephrology, Helsinki Univ Hosp, Helsinki, Finland; Jani Pirinen, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Helsinki, Finland; Juha Sinisalo, Mika Lehto, Dept of Cardiology, Heart and Lung Ctr, Helsinki Univ Hosp, Helsinki, Finland; Ron Liebkind, Reetta Kivioja, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Helsinki, Finland; Turgut Tatlisumak, Dept of Neurology, Sahlgrenska Univ Hosp, Gothenburg, Sweden; Per-Henrik Groop, Abdominal Ctr Nephrology, Helsinki Univ Hosp, Helsinki, Finland; Jukka Putaala, Dept of Neurology, Helsinki Univ Hosp and Clinical Neurosciences, Finland, Helsinki, Finland

#### Poster Board Number P217 / Presentation Number TP217

### Intra-arterial Verapamil Can Help Differentiate Reversible From Non-reversible Vasculopathy

Eileen C Vallin, Univ of Cincinnati, Cincinnati, OH; Joseph C Serrone, Virginia Mason Medical Ctr, Seattle, WA; Aaron M Betts, San Antonio Military Medical Ctr, San Antonio, TX; Ryan D Tackla, Todd Abruzzo, Andrew J Ringer, Aaron W Grossman, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number P218 / Presentation Number TP218

### Peripheral Neutrophil and Lymphocyte Dynamics Following Acute Ischemic Stroke

Ashley B Petrone, Dana E King, West Virginia Univ, Morgantown, WV

#### Poster Board Number P219 / Presentation Number TP219

### D-lactate and Intestinal Fatty-acid Binding Protein Are Elevated in Serum in Patients with Acute Ischemic Stroke

Carlos Camara-Lemarroy, Nicolás Escobedo-Zúñiga, UANL Univ Hopsital, Monterrey, Mexico; Francisco J Guzman-De la Garza, Jorge Castro-Garza, Javier Vargas-Villarreal, Ctr de Investigaciones Biomédicas del Noreste, IMSS, Monterrey, México, Monterrey, Mexico; Fernando Góngora-Rivera, UANL Univ Hopsital, Monterrey, Mexico

#### Poster Board Number P220 / Presentation Number TP220

### Is Fibrinogen a Reliable Lab to Follow in Acute Ischemic Stoke After Thrombolysis

Deepak Gulati, Muhammad Nasir, Dharti Dua, Michel Torbey, Ohio State Univ, Columbus, OH

#### Poster Board Number P222 / Presentation Number TP222

#### Characteristic Phenotype and Prognostic Factors in Magnetic Resonance Perfusion Weighted Image of Cerebral Venous Thrombosis

Moo-seok Park, Woo-Keun Seo, Oh Young Bang, Chin-Sang Chung, Kwang Ho Lee, Geong-Moon Kim, Neuroscience Ctr, Samsung Medical Ctr, Seoul, Korea, Republic of

#### Poster Board Number P223 / Presentation Number TP223

### Characterizing Ischemic Stroke and Hemorrhagic Conversion in Infectious Endocarditis

Robert J Marquardt, Sung-Min Cho, Lucy Zhang, Prateek Thatikunta, Ken Uchino, Dolora Wisco, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P224 / Presentation Number TP224

#### Interleukin-37 Level is Elevated in Acute Ischemic Stroke

Saif Bushnaq, Atif Zafar, Univ of New Mexico, Albuquerque, NM; Kempuraj Duraisamy, Univ of Missouri, Columbia, MO; Nudrat Tasneem, Univ of Iowa, Iowa City, IA; Mohammad Mushahid Khan, Univ of Tennessee, Knoxville, TN; Enrique Leira, Univ of Iowa, Iowa City, IA; Asgar Zaheer Zaheer, Univ of Missouri, Columbia, MO

#### **Emergency Care/Systems Posters II**

TP225 - TP261

#### Poster Board Number P225 / Presentation Number TP225

#### Predicting Large Vessel Occlusion in the Real World: Use of the Cincinnati Pre-hosptial Stroke Severity Score in Patients with Suspected Acute Ischemic Stroke

Michelle Whaley, Donald Frei, Swedish Medical Ctr, Englewood, CO; Meredith Snyder, Univ of Colorado Hosp, Aurora, CO; Christy Casper, St Anthony Hosp, Lakewood, CO; Melissa Chase, Rose Medical Ctr, Denver, CO

#### Poster Board Number P226 / Presentation Number TP226

Predictors and Impact of Paramedic Recognition of Hemorrhagic Stroke John A Oostema, Michigan State Univ Coll of Human Med, Grand Rapids, MI; Christian Negronrolon, Mathew J Reeves, Michigan State Univ Coll of Human Med, East Lansing, MI

#### Poster Board Number P227 / Presentation Number TP227

#### **Outcomes of a Regionalized Stroke Care System**

Denisse Sequeira, Christian Martin-Gill, Univ of Pittsburgh, Pittsburgh, PA; Gregory Lowry, Brown Univ, Providence, RI; Marcus Robinson, Hinnah Siddiqui, Francis X Guyette, Univ of Pittsburgh, Pittsburgh, PA

#### Poster Board Number P228 / Presentation Number TP228

# Continuous Non-invasive Blood Pressure versus Oscillometric Assessment in Acute Care After Intracerebral Hemorrhage, Intravenous Thrombolysis for Acute Ischemic Stroke

Anne Koehler, Timo Siepmann, Simon Winzer, Eric Simon, Lars-Peder Pallesen, Jessica Barlinn, Heinz Reichmann, Volker Puetz, Ulf Bodechtel, Kristian Barlinn, Tjalf Ziemssen, Carl Gustav Carus Univ Hosp, Technische Univ Dresden, Dresden, Germany

#### Poster Board Number P229 / Presentation Number TP229

### Change Takes Time: EMS as the Spark Plug for Faster Acute Ischemic Stroke Care

Karen Greenberg, Alexandra Lesenskyj, Drexel Neurosciences Inst, Philadelphia, PA; Daniel Eichorn, Capital Inst for Neurosciences, Trenton, NJ; Christina Maxwell, Drexel Neurosciences Inst, Philadelphia, PA; Grace DeWitt, Capital Inst for Neurosciences, Trenton, GA; Erol Veznedarolgu, Michael D'Ambrosio, Mandy Binning, Drexel Neurosciences Inst, Philadelphia, PA

#### Poster Board Number P230 / Presentation Number TP230

### Prehospital Timeline of Mobile Stroke Treatment Unit and Traditional Ambulance

Jason Mathew, Andrew Blake Buletko, Ather Taqui, Andrew Reimer, Stacey Winners, Tapan Thacker, Peter Rasmussen, Muhammad S Hussain, Andrew Russman, Dolora Wisco, Ken Uchino, Cleveland Clinic Fndn, Cleveland, OH; on behalf of the Cleveland Prehosptial Acute Stroke Treatment (PHAST) Group

#### Poster Board Number P231 / Presentation Number TP231

### Every IV Thrombolysis Case Should be Less Than 45 Minutes: Not So Easy All the Time $\,$

Sean Cavanaugh, Washington Univ, St Louis, MO; Jennifer Williams, Barnes-Jewish Hosp, St Louis, MO; Andria Ford, Peter Panagos, Laura Heitsch, Washington Univ, St Louis, MO

#### Poster Board Number P232 / Presentation Number TP232

#### Disparities in Access to Stroke Research in the State of Texas

Tzu-Ching Wu, Christy M Ankrom, Arvind B Bambhroliya, Shima Borzorgui, Sean I Savitz, The Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P233 / Presentation Number TP233

### Patterns, Determinants and Outcomes of Ultra-Early Neurological Deterioration (U-END) in Acute Ischemic Stroke

Kristina Shkirkova, Gregory Wong, Julius Weng, Jeffrey L Saver, Sidney Starkman, Univ of California, Los Angeles, CA; Scott Hamilton, Stanford Univ, Palo Alto, CA; David S Liebeskind, Univ of California, Los Angeles, CA; Mark Eckstein, Univ of Southern California, Los Angeles, CA; Samuel Stratton, Los Angeles EMS Agency, Los Angeles, CA; Frank Pratt, Orange County EMS Agency, OC, CA; Robin Conwit, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Nerses Sanossain, Univ of Southern California, Los Angeles, CA

#### Poster Board Number P234 / Presentation Number TP234

### The Effect of Early Treatment with Magnesium on Blood Pressure Variability in Hyperacute Stroke

Joseph Kim, Univ of Southern California, Los Angeles, CA; Jeffrey L Saver, David S Liebeskind, Sidney Starkman, Geffen Sch of Med at UCLA, Los Angeles, CA; Scott Hamilton, Stanford Univ Medical Sch, Stanford, CA; Pil-Wook Chung, Sungkyunkwan Univ Sch of Med, Seoul, Korea, Republic of; Nerses Sanossian, Keck Sch of Med of the Univ of Southern California, Los Angeles, CA; FAST-MAG Trial Investigators

#### Poster Board Number P235 / Presentation Number TP235

# Deterioration and Improvement in the Field: Comparative Detection by Los Angeles Motor Scale and Glasgow Coma Scale in Acute, EMS-transported Stroke Patients

Anita Tipirneni, Kristina Shkirkova, Nerses Sanossian, Sidney Starkman, Univ of California Los Angeles, Los Angeles, CA; Scott Hamilton, Stanford Univ, Palo Alto, CA; David Liebeskind, Univ of California Los Angeles, Los Angeles, CA; Samuel Stratton, Univ of California Irvine, Irvine, CA; Franklin Pratt, Latisha Sharma, Lucas Restrepo, Univ of California Los Angeles, Los Angeles, CA; May Kim-Tenser, Univ of Southern California, Los Angeles, CA; Miguel Valdes-Sueiras, Univ of California Los Angeles, Los Angeles, CA; Robin Conwit, Natl Inst of Health, Bethesda, MD; Jeffrey Saver, Univ of California Los Angeles, Los Angeles, CA; The FAST-MAG Investigators

#### Poster Board Number P236 / Presentation Number TP236

### Geographical Disparity of Acute Stroke Care Capabilities in Japan From a Nationwide Database: J-ASPECT Study

Koichi Arimura, Dept of Neurosurgery, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Kunihiro Nishimura, Dept of Preventive Med and Epidemiologic Informatics, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Akiko Kada, Dept of Clinical Trials and Res, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Satoru Kamitani, Dept of Public Health/Health Policy, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Kuniaki Ogasawara, Dept of Neurosurgery, Iwate Medical Univ, Morioka, Japan; Junichi Ono, Dept of Neurosurgery, Sanmu Medical Ctr. Sanmu, Japan: Yoshiaki Shiokawa, Dept of Neurosurgery, Kyorin Univ. Mitaka, Japan; Toru Aruga, Dept of Emergency and Critical Care Med, Showa Univ Hosp, Shinagawa, Japan: Kazunori Tovoda, Dept of Cerebrovascular Med and Neurology. Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Jyoji Nakagawara, Dept of Integrative Stroke Imaging Ctr, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Shigeru Miyachi, Dept of Neurosurgery, Osaka medical Coll, Takatsuki, Japan; Shinichi Yoshimura, Dept of Neurosurgery, Hyogo Coll of Med, Nishinomiya, Japan; Kazuo Okuchi, Dept of Emergency and Critical Care Med, Nara Medical Univ, Kashihara, Japan; Izumi Nagata, Dept of Neurosurgery, Kokura Memorial Hosp, Kitakyushu, Japan; Shinya Matsuda, Dept of Preventive Med and Community Health, Sch of Med, Univ of Occupational and Environmental Health, Kitakyushu,

Japan; Fumiaki Nakamura, Dept of Public Health/Health Policy, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Daisuke Onozuka, Akihito Hagihara, Dept of Health Communication, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Akifumi Suzuki, Dept of Surgical Neurology, Res Inst for Brain and Blood Vessels-AKITA, Akita, Japan; Tetsuo Sayama, Ataru Nishimura, Ryota Kurogi, Ai Kurogi, Keisuke Ido, Koji Iihara, Dept of Neurosurgery, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan

#### Poster Board Number P237 / Presentation Number TP237

### In Hyperacute Recanalization Therapy, Early Hospital Arrival Should Improve Outcome in Patients With Large Artery Occlusion but Not Without It

Junya Aoki, Kentaro Suzuki, Satoshi Suda, Seiji Okubo, Masahiro Mishina, Kazumi Kimura, Nippon Medical Sch. Tokyo, Japan

#### Poster Board Number P238 / Presentation Number TP238

Current Practices of Obtaining Informed Consent for Acute Stroke Therapies Scott J Mendelson, Elisa Gordon, D Mark Courtney, Jane Holl, Shyam Prabhakaran, Northwestern Univ, Chicago, IL

#### Poster Board Number P239 / Presentation Number TP239

### The Influence of Cerebral Microbleeds on Blood Pressure Control in Acute Intracerebral Haemorrhage

Dheeraj Khurana, Ramalingam Rajendiran, Paramjeet Singh, Chirag Ahuja, PGIMER, Chandigarh, India

#### Poster Board Number P240 / Presentation Number TP240

### The PLUMBER (Prevalence of Large Vessel Occlusion Stroke in Mecklenburg County Emergency Response) Study

Adeline R Dozois, Carolinas Healthcare System, Charlotte, NC; Lorrie Hampton, Carolinas Healthcare System, Concord, NC; Carlene W Kingston, Novant Health Presbyterian Medical Ctr, Charlotte, NC; Gwen Lambert, Carolinas Healthcare System, Charlotte, NC; Thomas J Porcelli, Mecklenburg EMS Agency, Charlotte, NC; Denise Sorenson, Novant Health Presbyterian Medical Ctr, Charlotte, NC; Megan Templin, Carolinas Healthcare System, Charlotte, NC; Shellie VonCannon, Novant Health Presbyterian Medical Ctr, Charlotte, NC; Andrew W Asimos, Carolinas Healthcare System, Charlotte, NC

#### Poster Board Number P241 / Presentation Number TP241

### Concordance of Pre-hospital Stroke Recognition by Medical Dispatchers and Paramedics in an Urban County

Aliza Brown, Tommy M Bird, Sanjeeva Onteddu, Univ of Arkansas for Medical Sciences, Little Rock, AR; Appathurai Balamurugan, Arkansas Dept of Health, Little Rock, AR; Robert D Skinner, William C Culp, Univ of Arkansas for Medical Sciences, Little Rock, AR

#### Poster Board Number P242 / Presentation Number TP242

# A Brief Educational Intervention Improves Paramedic Stroke Knowledge John A Oostema, Spectrum Health and Michigan State Univ Coll of Human Med, Grand Rapids, MI; Todd Chassee, Kent County Emergency Medical Services, Grand Rapids, MI; Mel Oakley, American Medical Response, Grand Rapids, MI; Mathew J Reeves, Michigan State Univ Coll of Human Med, East Lansing, MI

#### Poster Board Number P243 / Presentation Number TP243

Evaluation of Transfer Time for Trauma, Stroke and Cardiac Patients Kiersten Espaillat, Vanderbilt Univ Medical Ctr, Nashville, TN

#### Poster Board Number P244 / Presentation Number TP244

Age-Related Disparities in Door-to-Needle Times: It's Not What You Think Christian J Burrell, Kristin P Guilliams, Jennifer A Williams, Laura Heitsch, Peter Panagos, Jin-Moo Lee, Andria L Ford, Washington Univ in St Louis, St Louis, MO

#### Poster Board Number P245 / Presentation Number TP245

### Prediction of Hemorrhagic Transformation in Patients With Acute Ischaemic Stroke and Atrial Fibrillation With Ct Perfusion Aspects Scores

Qiaoshu Wang, Yanyan Cao, Yongbo Zhao, Shanghai General Hosp, Shanghai, China; Louis Caplan, Beth Israel Deaconess Medical Ctr, Boston, MA

#### Poster Board Number P246 / Presentation Number TP246

### Emergency Medical Services Survey of a Low-cost, Ambulance-based System for Mobile Neurological Assessment: The iTREAT Study

William M Clark, Nicole A Chiota-McCollum, Jack Cote, Brett J Schneider, Haydon Pitchford, Brian S Gunnell, Univ of Virginia Health System, Charlottesville, VA; George M Lindbeck, Sentara Martha Jefferson, Charlottesville, VA; Debra G Perina, Robert E O'Connor, Sherita N Chapman Smith, Nina J Solenski, Bradford B Worrall, Andrew M Southerland, Univ of Virginia Health System, Charlottesville, VA

#### Poster Board Number P247 / Presentation Number TP247

### Impact of Helicopter Emergency Medical Services Flights on Recombinant Tissue Plasminogen Activator (rtpa) Integrity

Brett Faine, Steven Lentz, James Torner, Sanjana Dayal, Heena Olalde, Enrique Leira, Univ of Iowa, Iowa City, IA

#### Poster Board Number P248 / Presentation Number TP248

### The Kaiser Permanente Stroke EXPRESS Program: Improving DTN Time in a 21-hospital Integrated Healthcare System

Mai N Nguyen-Huynh, Kaiser Permanente, Oakland, CA; Jeffrey G Klingman, Kaiser Permanente, Walnut Creek, CA; Andy Avins, Abigail Eaton, Kaiser Permanente, Oakland, CA; Sunil Bhopale, Kaiser Permanente, Redwood City, CA; Anne C Kim, Kaiser Permanente, Walnut Creek, CA; Alexander C Flint, Kaiser Permanente, Redwood City, CA; on behalf of KPNC Stroke FORCE team

#### Poster Board Number P249 / Presentation Number TP249

# Hospital Transfer Cost Savings From Triaging Selected Stroke Patients Directly to the Comprehensive Stroke Centers (CSCs) Courtesy of the Mobile Stroke Treatment Unit (MSTU)

Atif Zafar, UNM, Albuquerque, NM; Belinda Udeh, Andrew Reimer, Ramnath Santosh Ramanathan, Cleveland Clinic, Cleveland, OH; Daniel Vela-Duarte, Univ of Colorado, Aurora, CO; Ather Taqui, Dolora Wisco, Stacey Winners, Andrew Blake Buletko, Natalie Organek, Fredrick Hustey, Shazam Hussain, Ken Uchino, Cleveland Clinic, Cleveland. OH

#### Poster Board Number P250 / Presentation Number TP250

# A Substantial Rate of Neurological and Non-Neurological Stroke Mimics Are Transported by Emergency Medical Services for Acute Stroke Evaluation Joel Neves Briard, CHUM-Univ of Montreal, Montreal, QC, Canada; Rahel T Zewude, Univ of Alberta, Edmonton, AL, Canada; Mahesh Kate, Ken Butcher, Univ of Alberta,

Edmonton, AB, Canada; Laura C Gioia, CHUM-Univ of Montreal, Montreal, QC, Canada

#### Poster Board Number P251 / Presentation Number TP251

#### Pomona Large Vessel Occlusion Scale for Pre-hospital and Emergency Room Settings

Kessarin Panichpisal, Aurora St Luke Medical Ctr, Milwaukee, WI; Nazli Janjua, Asia Pacific Comprehensive Stroke Inst, Pomona, CA; Karen Tse-Chang, KimberlyAJones A Jones, Katrina Woolfolk, Debbie Keasler, Desai Bhupat, Pomona Valley Hosp, Pomona, CA; Yogesh Moradiya, Johns Hopkins Sch of Med, Baltimore, MD; Kenneth Nugent, Texas Tech Health Sciences Ctr, Lubbock, TX

#### Poster Board Number P252 / Presentation Number TP252

### Prehospital Stroke Scales as a Tool for Early Identification of Stroke and Transient Ischemic Attacks: A Cochrane Systematic Review

Gregory B Walker, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Zhivko Zhelev, Univ of Exeter, Exeter, United Kingdom; Jon Frid handler, Univ of British Columbia, Vancouver, BC, Canada; Nicholas Henschke, Univ of heidelberg, Heidelberg, Germany; Samuel Yip, Univ of British Columbia, Vancouver, BC, Canada

#### Poster Board Number P253 / Presentation Number TP253

#### A Novel Prehospital Scale to Predict Candidates for Acute Stroke Thrombectomy : The Fukuoka Acute Stroke ThrombEctomy pRediction (FASTER) Scale

Yuichi Miyazaki, Tomoyuki Tsumoto, Kyushu Medical Ctr, Fukuoka, Japan; Ryu Matsuo, Tetsuro Ago, Masahiro Kamouchi, Kyushu Univ, Fukuoka, Japan; Masahiro Yasaka, Yasushi Okada, Kyushu Medical Ctr, Fukuoka, Japan; Takanari Kitazono, Kyushu Univ, Fukuoka, Japan

#### Poster Board Number P255 / Presentation Number TP255

### Designing a Pre-Arrival Stroke Notification System: Cincinnati Prehospital Stroke Scale versus Clinical Impression

Stephen English, Alejandro Rabinstein, Jay Mandrekar, James Klaas, Mayo Clinic, Rochester MN

#### Poster Board Number P256 / Presentation Number TP256

### mStroke: "Mobile Stroke" – Improving Acute Stroke Care With Smartphone Technology

Benjamin Y Andrew, Colleen M Stack, Julian P Yang, Jodi A Dodds, Duke Univ Sch of Med, Durham, NC

#### Poster Board Number P257 / Presentation Number TP257

#### **Thrombolytic Treatment and Complications in Stroke Mimics**

Barbara Gatton, Benjamin Weissman, Jonathan Muller, Joseph A Bove, Laura Melville, Lawrence Melniker, Theodore Gaeta, Jeffrey Benjamin, Joseph Bove, Miran Salgado, New York Methodist Hosp, Brooklyn, NY

#### Poster Board Number P258 / Presentation Number TP258

Large Vessel Occlusion Screening Tool for Acute Ischemic Stroke Patients
Ilana M Ruff, Fan Z Caprio, Linda Jiang, Scott J Mendelson, Northwestern Memorial
Hosp, Chicago, IL; Christopher T Richards, Northwestern Feinberg Sch of Med,
Chicago, IL; Richard A Bernstein, Babak S Jahromi, Sameer A Ansari, Ali Shaibani,
Michael C Hurley, Sanjeev Malik, Matthew B Potts, Yvonne Curran, Deborah Bergman,
Shyam Prabhakaran, Northwestern Memorial Hosp, Chicago, IL

#### Poster Board Number P259 / Presentation Number TP259

### Accuracy of EMS Identification of Acute Strokes Eligible for tPA Treatment in Kaiser Stroke EXPRESS Program

Jeffrey G Klingman, Kaiser Permanente, Walnut Creek, CA; Sunil Bhopale, Kaiser Permanente, Redwood City, CA; Meghan Hatfield, Kaiser Permanente, Oakland, CA; Benjamin Wilson, Lauren Klingman, Georgetown Univ, Washington DC, DC; Mai N Nguyen-Huynh, Kaiser Permanente, Oakland, CA; on behalf of KPNC Stroke FORCE team

#### Poster Board Number P260 / Presentation Number TP260

### Causes of Delayed Diagnosis of Vertebrobasilar Stroke Patients After Arrival at Emergency Room

Hye Seon Jeong, Soo Young Kim, Ha Kyeu An, Hee Seon Yu, Na Young Yoon, Jong Wook Shin, Hee-Jung Song, Jei Kim, Chungnam Natl Univ hospital, Daejeon, Korea, Republic of

#### Poster Board Number P261 / Presentation Number TP261

### Improving Neurologist Responsiveness for Telestroke Consultations: We Do Better!

Jeffrey Wagner, Kristin Salottolo, Christopher V Fanale, Judd Jensen, David Bar-Or, Swedish Medical Ctr. Englewood, CO

#### Experimental Mechanisms and Models Posters II TP262 - TP277

#### Poster Board Number P262 / Presentation Number TP262

### Chronic Stroke Disrupts Frequency-specific Oscillations in the Hippocampus and Cortex

Azadeh Yazdan-Shahmorad, Jiwei He, Kenny Kay, Gratianne Rabiller, Yasuo Nishijima, Loren Rrank, Jialing Liu, UCSF, San Francisco, CA

#### Poster Board Number P263 / Presentation Number TP263

### Identification and Functional Analysis of Circrna Profile in Penumbra Zones of Mice Following Middle Cerebral Artery Occlusion

Dan Lu, Anding Xu, The First Affiliated Hosp, Jinan Univ, Guangzhou, China

#### Poster Board Number P264 / Presentation Number TP264

### MicroRNA-15a/16-1 Antagomir Ameliorates Ischemic Brain Injury in Experimental Stroke

Xinxin Yang, Kai Liu, Jun Chen, Ke-Jie Yin, Univ of Pittsburgh Sch of Med, Pittsburgh. PA

#### Poster Board Number P265 / Presentation Number TP265

## AATF Protects Neuron Against Ischemia via Regulating PAR/AIF Pathway Wei Jin, Wei Xu, Jing Chen, Xiaoxiao Zhang, Chuancheng Ren, Neurology, Shanghai, China

#### Poster Board Number P266 / Presentation Number TP266

#### Phenothiazines Enhance Mild Hypothermia-induced Neuroprotection via PI3K/ Akt Regulation in Experimental Ischemia/Reperfusion Injury

Hong An, China-America Inst of Neuroscience, Beijing, China; Joshua Wright, Wayne State Univ Sch of Med, Detroit, MI; Yunxia Duan, Di Wu, Xunming Ji, China-America Inst of Neuroscience, Beijing, China; Yuchuan Ding, Wayne State Univ Sch of Med, Detroit, MI

#### Poster Board Number P267 / Presentation Number TP267

# Protein Kinase C Epsilon-activation Mediates Ischemic Neuroprotection by Activating an Activity-regulated Cytoskeleton-associated Protein-dependent Mechanism

Charles H Cohan, Holly M Stradecki, Kahlilia C Morris-Blanco, Nathalie Khoury, Kevin B Koronowski, Mehdi Youbi, Clinton B Wright, Miguel A Perez-Pinzon, Univ of Miami. Miami. FL

#### Poster Board Number P268 / Presentation Number TP268

### Induction Profile of Mesencephalic Astrocyte-derived Neurotrophic Factor by Cerebral Ischemia and its Implication for Neuroprotection

Ludmila Belayev, Sung-Ha Hong, Pranab K Mukherjee, Hemant Menghani, Larissa Khoutorova, Nicolas G Bazan, Louisiana State Univ, New Orleans, LA

#### Poster Board Number P269 / Presentation Number TP269

### Distinct Molecular Mechanisms of Htra1 Mutants in Manifesting Heterozygotes With Carasil

Hiroaki Nozaki, Taisuke Kato, Megumi Nihonmatsu, Yohei Saito, Niigata Univ, Niigata, Japan; Ikuko Mizuta, Kyoto Prefectural Univ of Med, Kyoto, Japan; Tomoko Noda, Ichinomiya Municipal Hosp, Aichi, Japan; Ryoko Koike, Nishi-Niigata Chuo Natl Hosp, Niigata, Japan; Kazuhide Miyazaki, Shiseikai-Daini Hosp, Tokyo, Japan; Muichi Kaito, Kanazawa Medical Univ, Ishikawa, Japan; Shoichi Ito, Chiba Univ, Chiba, Japan; Masahiro Makino, Nantan General Hosp, Kyoto, Japan; Akihide Koyama, Atsushi Shiga, Masahiro Uemura, Yumi Sekine, Niigata Univ, Niigata, Japan; Ayuka Murakami, Suzuko Moritani, Nagoya Medical Ctr, Aichi, Japan; Kenju Hara, Japanese Red Cross Akita Hosp, Akita, Japan; Akio Yokoseki, Ryozo Kuwano, Naoto Endo, Niigata Univ, Niigata, Japan; Takeshi Momotsu, Sado General Hosp, Niigata, Japan; Mari Yoshida, Aichi Medical Univ, Aichi, Japan; Masatoyo Nishizawa, Niigata Univ, Niigata, Japan; Toshiki Mizuno, Kyoto Prefectural Univ of Med, Kyoto, Japan; Osamu Onodera, Niigata Univ, Niigata, Japan

#### Poster Board Number P270 / Presentation Number TP270

### Interleukin-6 Receptor Inhibition with Tocilizumab Ameliorates Ischemic Stroke Damage in Mice

Jacob Hudobenko, Univ of Texas Health Science Ctr at Houston, Houston, TX; Rajkumar Verma, Univ of Connecticut, Farmington, CT; Louise McCullough, Univ of Texas Health Science Ctr at Houston, Houston, TX

#### Poster Board Number P271 / Presentation Number TP271

### Leukemia Inhibitory Factor Differentially Regulates Its Receptor in the Brain and Immune System After Stroke

Stephanie M Davis, Lisa A Collier, Univ of Kentucky, Lexington, KY; Jawad A Fazal, Michael Britton, Christopher C Leonardo, Craig T Ajmo Jr, Univ of South Florida, Tampa, FL; Keith R Pennypacker, Univ of Kentucky, Lexington, KY

#### Poster Board Number P272 / Presentation Number TP272

### Calcium Release-activated Calcium (CRAC) Channel Inhibition Protects Against Brain Injury and Neuronal Death Induced by Activated Microglia

Rachid Kacimi, Jong Youl Kim, UCSF, San Francisco, CA; Ken Stauderman, Michael Dunn, Sudarshan Hebbar, CalciMedica, La Jolla, CA; Midori A Yenari, UCSF, San Francisco, CA

#### Poster Board Number P273 / Presentation Number TP273

#### Upregulation of 20-HETE Synthetic Cytochrome P450 Isoforms by Oxygenglucose Deprivation in Cortical Neurons

Hui Zhang, Huashan Hosp Fudan Universtiy, Shanghai, China; John R Falck, Dept of Biochemistry, Univ of Texas Southwestern Medical Ctr, Dallas, Texas, Dallas, TX; Richard J Roman, Dept of Pharmacology, Univ of Mississippi Medical Ctr, Jackson, Mississippi, Jackson, MS; David R Harder, Cardiovascular Res Ctr and Dept of Physiology, Medical Coll of Wisconsin, Milwaukee, Wisconsin, Milwaukee, WI; Raymond C Koehler, Zeng-Jin Yang, Dept of Anesthesiology and Critical Care Med, Johns Hopkins Univ, Baltimore, Maryland, USA, Baltimore, MD

#### Poster Board Number P274 / Presentation Number TP274

### Activation of the Prostaglandin $\mathsf{E}_2$ Receptor EP4 Reduces Blood-Brain Barrier Damage in a Rat Model of Ischemic Stroke

Kelly M DeMars, Austin O McCrea, Changjun Yang, Eduardo Candelario-Jalil, Univ of Florida, Gainesville, FL

#### Poster Board Number P275 / Presentation Number TP275

### "Touch-and-Go": Touching of Endothelial Cells by Endothelial Progenitor Cells Increases Activation of Pro-survival ERK1/2 Signaling

Emiri T Mandeville, Su Jing Chen, Kazuhide Hayakawa, Ken Arai, Eng H Lo, MGH, Charlestown, MA

#### Poster Board Number P276 / Presentation Number TP276

### Perlecan Is Required for the Maintenance of the Blood-Brain Barrier through the Interaction with Pericytes in a Mouse Ischemic Stroke Model

Kuniyuki Nakamura, Tomoko İkeuchi, Peipei Zhang, Craig Rhodes, Yuta Chiba, NIDCR, NIH, Bethesda, MD; Tetsuro Ago, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Yoh-suke Mukouyama, NHLBI, NIH, Bethesda, MD; Yoshihiko Yamada, NIDCR, NIH, Bethesda, MD

#### Poster Board Number P277 / Presentation Number TP277

Adropin is Profoundly Neuroprotective in Experimental Ischemic Stroke Changjun Yang, Kelly M DeMars, Eduardo Candelario-Jalil, Univ of Florida, Gainesville, FL

### Health Services, Quality Improvement, and Patient-Centered Outcomes Posters II

TP278 - TP312

#### Poster Board Number P278 / Presentation Number TP278

#### Positive Impact of a Stroke Bundle Program

Deborah Murphy, Colleen Boyle, Elissa Della Monica, Heather Peiritsch, Laura Schmidt, Dan Gzesh, Abington Hosp – Jefferson Health, Abington, PA

#### Poster Board Number P279 / Presentation Number TP279

### Evaluation of Exclusions for Endovascular Intervention to Identify Clinical Practice Patterns

Michele Patterson, Baptist Health System, San Antonio, TX; Lee Birnbaum, UTHSCSA, San Antonio, TX; Deb Motz, Tracy Moore, Dicky Huey, Beth Cline, Tommye Austin, Baptist Health System, San Antonio, TX

#### Poster Board Number P280 / Presentation Number TP280

AF and Urgent Bleeding Management Strategies: Effect of Online CME Jelena Spyropoulos, Medscape LLC, New York, NY

#### Poster Board Number P281 / Presentation Number TP281

### Reducing Door-to-Needle Times in Acute Ischemic Stroke : Multidisciplinary Team-based Approach at a Single Center

Nobuyuki Ohara, Junya Kobayashi, Toshiaki Goda, Takeshi Ikegami, Kotaro Watanabe, Kiyokazu Asada, Akiko Marutani, Noriyuki Nishi, Daisuke Takahashi, Tomonori Yamada, Natl Hosp Organization Osaka Minami Medical Ctr, Kawachinagano, Osaka, Janan

#### Poster Board Number P282 / Presentation Number TP282

### High Mortality Among 30-Day Readmission After Stroke: Predictors and Etiologies of Readmission

Lauren McCormick, Janhavi Modak, Ilene Staff, Gilbert Fortunato, Hartford Hosp, Hartford. CT: Amre Nouh. Hartford Hosp – Univ of Connecticut. Hartford. CT

#### Poster Board Number P283 / Presentation Number TP283

### Association Between Spanish Language and Emergency Medical Service Use in Ischemic Stroke Patients Treated with IV-tPA

Sara K Rostanski, Benjamin R Kummer, Joshua I Stillman, Randolph S Marshall, Olajide Williams, Joshua Z Willey, Columbia Univ, New York, NY

#### Poster Board Number P284 / Presentation Number TP284

### Implementation of an Organized Stroke Care Program Reduced Door-to-needle Time in a Hospital in Mexico City

Juan Calleja, Jesus Martinez, Isabel Gutierrez, American British Cowdray Medical Ctr, Mexico City, Mexico

#### Poster Board Number P285 / Presentation Number TP285

### Acute Infarct Volume Accounts for a Small Fraction of Explained Variance in Quality of Life Measures at 3 Months

Chen Lin, Carlos Corado, Neil Chatterjee, Northwestern, Chicago, IL; Timothy Carroll, Univ of Chicago, Chicago, IL; Andrew Naidech, Shyam Prabhakaran, Northwestern, Chicago, IL

#### Poster Board Number P286 / Presentation Number TP286

#### Improving Core Measure Compliance in Stroke Chameleon Patients

Michele Gribko, Ann Marie McLeod, Richard B Libman, Paul Wright, Jeffrey M Katz, Northwell Health, Manhasset, NY

#### Poster Board Number P287 / Presentation Number TP287

I am Recovering Still: Is Modified Rankin Scale at 90 Days the Best Indicator of Successful Outcomes for Ischemic Stroke Patients Following Acute Treatment? Catherine D Senter, Ursula Kelly-Tolley, Audrey L Paulson, Good Samaritan Hosp, San Jose, CA

#### Poster Board Number P288 / Presentation Number TP288

### Overcoming Obstacles Making People Healthy (OOMPH): A Patient Centered Post Discharge Follow-up Program for Stroke Patients

Jonathan Muller, Barbara Gatton, Linda Fox, Joseph A Bove, Johanna Donovan Turner, Matthew Spadaro, Sanket Aggarwal, Laura Melville, Lawrence Melniker, Theodore Gaeta, Joseph Bove, Miran Salgado, New York Methodist Hosp, Brooklyn, NY

#### Poster Board Number P289 / Presentation Number TP289

### Code Neuro-Intervention a New Necessity: Reality of Shifting Stroke Care Paradigm

Laura Suhan, Spozhmy Panezai, Jaskiran Brar, Audrey Z Arango, Anna Pullicino, Ashish Kulhari, Siddhart Mehta, Jawad F Kirmani, JFK Medical Ctr, Edison, NJ

#### Poster Board Number P290 / Presentation Number TP290

# Comparison of Risk-Adjusted 30-day Mortality Models by Claims Data in Acute Ischemic Stroke With vs Without Adjustment for Stroke Severity: J-ASPECT Study

Satoru Kamitani, Natl Cancer Ctr, Tokyo, Japan; Kunihiro Nishimura, Natl Cardiovascular and Cerebral Ctr, Suita, Japan; Akiko Kada, Nagoya Medical Ctr, Nagoya, Japan; Tetsurou Sayama, Kouichi Arimura, Ataru Nishimura, Ryouta Kurogi, Ai Kurogi, Kyushu Univ, Fukuoka, Japan; Fumiaki Nakamura, Yoshihiro Miyamoto, Natl Cardiovascular and Cerebral Ctr, Suita, Japan; Daisuke Onozuka, Akihito Hagihara, Kyushu Univ, Fukuoka, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Yoshiaki Shiokawa, Kyorin Univ, Mitaka, Japan; Shigeru Miyachi, Osaka Medical Coll, Takatsuki, Japan; Sinichi Yoshimura, Hyogo Coll of Med, Nishinomiya, Japan; Kazunori Toyoda, Jyouji Nakagawara, Natl Cardiovascular and Cerebral Ctr, Suita, Japan; Shinya Matsuda, Univ of Environmental and Occupational Health, Kita-Kyushu, Japan; Kazuo Okuchi, Nara Medical Univ, Kashihara, Japan; Toru Aruga, Showa Univ, Tokyo, Japan; Junichi Ono, Chiba Cardiobascular Ctr, Ichihara, Japan; Koji Ilihara, Kyushu Univ, Fukuoka, Japan

#### Poster Board Number P291 / Presentation Number TP291

### Swallow Screens: A Hard Act to Follow a Collaborative Effort Between the Stroke Program and the Emergency Department

Laurie B Paletz, Gregory Eichelzer, Herbert Ip, Nili Steiner, Betty Robertson, Nicole Wolber, Sonia Guerra, Cedars Sinai Medical Ctr, Los Angeles, CA

#### Poster Board Number P292 / Presentation Number TP292

#### **Patient Reported Outcomes in Stroke Clinical Trials**

Christopher Carr, Tulane Univ Sch of Med; Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Laya Reddy, Ochsner Clinical Sch-Univ of Queensland, New Orleans, LA; Azad Hussain, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Sean Murray, Tulane Univ Sch of Med, New Orleans, LA; Neha Vazirani, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Lydia Bazzano, Tulane Univ Sch of Med; Tulane Univ Sch of Public Health and Tropical Med; Ochsner Clinic Fndn, New Orleans, LA; Eboni Price-Haywood, Ochsner Clinical Sch-Univ of Queensland; Ochsner Clinic Fndn, New Orleans, LA

#### Poster Board Number P293 / Presentation Number TP293

#### Errors in Estimation of Body Weight in Thrombolysis for Acute Ischemic Stroke

Vivien H Lee, The Ohio State Univ, Columbus, OH; Shawna Cutting, Laurel Cherian, James J Conners, Sarah Y Song, Bichun Ouyang, Rajeev Garg, Thomas P Bleck, Nicholas D Osteraas, Rush Univ Medical Ctr, Chicago, IL

#### Poster Board Number P294 / Presentation Number TP294

# Effect of Educational Level on Atrial Fibrillation Patients' Knowledge and Perceptions About Oral Anticoagulation Therapy: Results From an International Study

Deirdre A Lane, Univ of Birmingham Inst of Cardiovascular Sciences, Birmingham, United Kingdom; Juliane Meyerhoff, Boehringer Ingelheim Pharma GmbH & Co KG, Ingelheim am Rhein, Germany; Ute Rohner, Boehringer Ingelheim GmbH, Ingelheim, Germany; Gregory Y Lip, Univ of Birmingham Inst of Cardiovascular Sciences, Birmingham, United Kingdom

#### Poster Board Number P295 / Presentation Number TP295

### The Application of Workflow Process Maps to a Pre-hospital Acute Stroke Pathway: A Quality Improvement Initiative

Adam Prater, Carol Fleming, Grady Memorial Hosp, Atlanta, GA; Valerie Levy, Georgia State Univ, Atlanta, GA; Hany Atallah, Arthur Yancey, Shelley Nichols, Brooks Moore, Paul Long, Matthew Wheatley, Wade Miles, Michael Frankel, Grady Memorial Hosp, Atlanta, GA

#### Poster Board Number P296 / Presentation Number TP296

Does Rapid® Reduce Groin Puncture Times in Acute Ischemic Stroke?

Haris Kamal, Liang Zhu, Nour Abdelhamid, Amrou Sarraj, Univ of Texas at Houston,
Houston, TX

#### Poster Board Number P297 / Presentation Number TP297

### Type II Myocardial Infarction is Significantly Associated with Admission NIHSS and Discharge Disposition Following Ischemic Stroke

Ayham M Alkhachroum, Univ Hosp Case Medical Ctr, Cleveland Heights, OH; Benjamin Miller, Univ of Minnesota Medical Ctr, Minneapolis, MN; Ahmad Tarek Chami, Curtis Tatsuoka, Cathy Sila, Univ Hosp Case Medical Ctr, Cleveland Heights, OH

#### Poster Board Number P298 / Presentation Number TP298

#### Rapid Response Team Utilization for Inpatient Stroke Codes

Kunal Agrawal, Christopher R Tainter, Eema Hemmen, Emily Botts, Debra Paulson, Anushirvan Minokadeh, Thomas M Hemmen, Rebecca E Sell, Univ of California, San Diego, San Diego, CA

#### Poster Board Number P299 / Presentation Number TP299

### Development and Validation of a Patient Centered Young Stroke Outcome Measure Tool

Julian Duda, Palmetto Health – USC Sch of Med, Columbia, SC; Viktoriya Duda, Erin Suttman, USC Sch of Med, Columbia, SC; Nishanth Kodumuri, Palmetto Health – USC Sch of Med, Columbia, SC; Lauren D Giamberardino, USC Sch of Med, Columbia, SC; Amy L Edmunds, Coastal Carolina Univ, Conway, SC; Souvik Sen, USC Sch of Med, Columbia, SC

#### Poster Board Number P300 / Presentation Number TP300

### Re-admissions in Patients With First Onset of Stroke – Looking Beyond Organ Systems

Umer Khan, Chen Hui Yee, Louis S Widjaja, Bernard P Chan, Prakash Paliwal, Raymond S Seong, Lily Y Wong, Magdalene L Chia, Vijay K Sharma, Reshma Merchant, Hock Luen Teoh, Santhosh Seetharaman, Natl Univ Hosp Singapore, Singapore, Singapore

#### Poster Board Number P301 / Presentation Number TP301

### Outlier Analysis of NIHSS Change in a Regional Database of Acute Ischemic Stroke

Danny R Rose Jr, Stephen L Grupke, Justin F Fraser, Patrick H Kitzman, Kelley L Elkins, Marc A Wolfe, Sarah N Morris, Michael R Dobbs, Univ of Kentucky, Lexington, KY

#### Poster Board Number P302 / Presentation Number TP302

### Improvement of Endovascular Stroke Care Performance After Transition From MRI/A to an CTP-based Imaging Protocol

Santiago Ortega Gutierrez, Edgar Samaniego, Angela Overton, Nandakumar Nagaraja, Connie Pieper, Erin Rindels, Colin Derdeyn, Bruno Policeni, David Hasan, James Rossen, Minako Hayakawa, Heena Olalde, Harold Adams, Enrique Leira, Univ of Iowa, Iowa city, IA

#### Poster Board Number P303 / Presentation Number TP303

### Institutional Stroke Quality Improvement and Impact on Vascular Neurology Fellows Practice Patterns

John Lynch, Richard Benson, Amie Hsia, Richard Leigh, Zurab Nadareishvili, Marie Luby, NINDS/NIH, Bethesda, MD

#### Poster Board Number P304 / Presentation Number TP304

### The Challenge of Stroke Transitions from the Healthcare Provider's Perspective: A Qualitative Study

Michele Fritz, Anne Hughes, Amanda Woodward, Paul Freddolino, Mathew J Reeves, Michigan State Univ, East Lansing, MI

#### Poster Board Number P305 / Presentation Number TP305

### Patient Expectations and Physician Preferences of Informed Consent for tPA Scott J Mendelson, Flisa Gordon, Christopher Richards, Jane Holl, Shyam Prabhakara

Scott J Mendelson, Elisa Gordon, Christopher Richards, Jane Holl, Shyam Prabhakaran, Northwestern Univ, Chicago, IL

#### Poster Board Number P306 / Presentation Number TP306

### Risk of Stroke After ED Visits at Which No Diagnosis of TIA or Stroke was Recorded

Marc Rosenman, Elissa Oh, Northwestern Univ, Chicago, IL; Christopher T Richards, Northwestern Feinberg Sch of Med, Chicago, IL; Norrina B Allen, Carmen Capo-Lugo, Scott Mendelson, Margaret Madden, Kathryn A Muldoon, Jane L Holl, Andrew Naidech, Shyam Prabhakaran, Northwestern Univ, Chicago, IL

#### Poster Board Number P307 / Presentation Number TP307

### Anxiety, Depression and Posttraumatic Stress Disorder (PTSD) are Associated With Worse Outcomes After Stroke: Preliminary Results

Laura A Stein, Univ of Pennsylvania, Philadelphia, PA; Emily Goldmann, New York Univ, New York, NY; Jean M Luciano, Steven R Messe, Brett L Cucchiara, Scott E Kasner, Michael T Mullen, Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number P308 / Presentation Number TP308

### Transitional Care in Stroke Certified and Non-certified Hospitals: The Comprehensive Post-Acute Stroke Services (COMPASS) Study

Janet Prvu Bettger, Duke Univ, Durham, NC; Sara Jones, Anna Kucharska-Newton, Janet Freburger, Univ of North Carolina-Chapel Hill, Chapel Hill, NC; Walter Ambrosius, Mysha Sissine, Wake Forest Univ, Winston-Salem, NC; Wayne Rosamond, Univ of North Carolina-Chapel Hill, Chapel Hill, NC; Cheryl Bushnell, Pamela Duncan, Wake Forest Univ, Winston-Salem, NC; for the COMPASS Investigative Team

#### Poster Board Number P309 / Presentation Number TP309

### Creating a Crystal Ball: Predicting Successful Rehabilitation for Optimal Discharge Placement

David Ermak, Raymond Reichwein, Alicia Richardson, Kathy Morrison, Travis Lehman, Penn State Hershey Medical Ctr, Hershey, PA

#### Poster Board Number P311 / Presentation Number TP311

Does Age Affect Race/Ethnic Differences in Discharge Ambulation Status?

Data From the Florida Puerto Collaboration to Reduce Stroke Disparities (FL-PR CReSD) Study — The NINDS Stroke Prevention Intervention Research Program

Sofia Oluwole, Kefeng Wang, Maria A Ciliberti-Vargas, Carolina M Gutierrez,
Enmanuel Perez-Martinez, Chuanhui Dong, Erika Marulanda-Londoño, Maranatha
Ayodele, Hannah Gardener, Univ of Miami Miller Sch of Med, Miami, FL; W Scott
Burgin, Univ of South Florida, Tampa, FL; Dianne Foster, American Heart Association,
Marietta, GA; Enid J Garcia-Rivera, Juan Gonzalez- Sanchez, Univ of Puerto Rico Sch
of Med, San Juan, PR; Mary Robichaux, Univ of Miami Miller Sch of Med, Miami, FL;
David Z Rose, Univ of South Florida, Tampa, FL; Salina P Waddy, Natl Insts of Health,
Bethesda, MD; Juan Carlos Zevallos, Florida Intl Univ, Miami, FL; Ralph L Sacco,
Tatjana Rundek, Univ of Miami Miller Sch of Med, Miami, FL; for the FL-PR CReSD
Investigators and Collaborators

### Poster Board Number P312 / Presentation Number TP312 Developing a Mobile Application for Stroke Informal Caregivers

Jonathan Singer, Dimitre Stefanov, Nadege Gilles, Sarah Z Weingast, Mohammad Faysel, Shirley Girouard, Marilyn Fraser-White, SUNY Downstate, Brookyn, NY; Dee Burton, Hunter Coll, New York, NY; Steven R Levine, SUNY Downstate, Brookyn, NY; The Mobile Applications for Stroke (MAPPS) Investigators

#### **In-hospital Treatment Posters II**

TP313 - TP321

#### Poster Board Number P313 / Presentation Number TP313

Dual Antiplatelet Therapy Reduced Early Stroke Risk After Transient Ischemic Attack Patients with Acute Diffusion-weighted Imaging Hyperintensities: A Real-world Experience in Clinical Practice

Bo Song, Pei Chen, Lulu Pei, Yuan Cao, Hui Fang, Yuan Gao, Lu Zhao, Ju Wu, Yusheng Li, Shilei Sun, Yuming Xu, The First Affiliated Hosp of Zhengzhou Univ, ZhengZhou, China

#### Poster Board Number P314 / Presentation Number TP314

### Low Pulse Pressure After Acute Ischemic Stroke Is Associated With Unfavorable Outcomes: The Taiwan Stroke Registry

Sung-Chun tang, Natl Taiwan Univ, Taipei, Taiwan; Jiu-Haw Yin, Cheng-Hsin General Hosp, Taipei, Taiwan; Jiann-Shing Jeng, Natl Taiwan Univ, Taipei, Taiwan; Chung Y Hsu, China Medical Univ, Tai-Chung, Taiwan; Taiwan Stroke Registry Investigators

#### Poster Board Number P315 / Presentation Number TP315

### D-dimer is Associated With 30-day Mortality in Acute Ischemic Stroke With Active Cancer

Ki Woong Nam, Seoul Natl Univ Hosp, Seoul, Korea, Republic of; Chi Kyung Kim, Seoul Natl Univ Hosp, Korea University Guro Hospital and Korea Universit, Korea, Republic of; Tae Jung Kim, Sang Joon An, Seoul Natl Univ Hosp, Seoul, Korea, Republic of; Kyungmi Oh, Korea Univ Guro Hosp and Korea Univ Coll of Med, Seoul, Korea, Republic of; Min Kyoung Kang, Sang-Bae Ko, Byung-Woo Yoon, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

#### Poster Board Number P316 / Presentation Number TP316

### Early Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Infarction in Asian Patients

Prakash R Paliwal, Leonard LL Yeo, Bernard PL Chan, Hock L Teoh, Raymond Seet, Sein Lwin, Tseng T Yeo, Ning Chou, Vijay K Sharma, Natl Univ of Singapore, Singapore, Singapore

#### Poster Board Number P317 / Presentation Number TP317

### Hyperglycemia Strongly Predicts Large Ischemic Infarct Growth Despite Full Endovascular Reperfusion

Mersedeh Bahr Hosseini, Graham W Woolf, Jason D Hinman, Radoslav Raychev, Latisha K Latisha K Sharma, Doojin Kim, Rao Rao, Sidney Starkman, Bryan Yoo, Reza Jahan, Viktor Szeder, Satoshi Tateshima, Gary R Duckwiler, Fabien Scalzo, Jeffrey Saver, David Liebeskind, UCLA, Los Angeles, CA

#### Poster Board Number P318 / Presentation Number TP318

High White Blood Cell (WBC) Counts Are Predictive of tPA-related Hemorrhage Wenjun Deng, Bo Song, Lindsay Fisher, I-Ying Richard Chou, Maxwell Oyer, Thomas Wickham, David McMullin, Ferdinando S Buonanno, Eng H Lo, MingMing Ning, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P319 / Presentation Number TP319

### Duplex Assisted Carotid Artery Stenting Without Administration of Contract Media

Takashi Mizowaki, Atsushi Fujita, Taichiro Imahori, Atsushi Uyama, Satoshi Inoue, Masaaki Kohta, Hirotoshi Hamaguchi, Takashi Sasayama, Kohkichi Hosoda, Eiji Kohmura, Kobe Univ Graduate Sch of Med, Kobe, Japan

#### Poster Board Number P320 / Presentation Number TP320

### Efficacy and Safety of Antiplatelet Therapy for Ischemic Stroke without Large Arterial Occlusion by Intravenous Tirofiban

Lu Lin, Wei Li, Huan Wang, Ya Wu, Cheng-chun Liu, Xiao-shu Li, Shu-han Huang, Chun-Rong Liang, Res Inst of Surgery, Daping Hosp, Third Military Medical Univ, Chongqing, China; Wu-Wei Feng, Medical Univ of South Carolina Stroke Ctr, South Carolina, SC; Meng Zhang, Res Inst of Surgery, Daping Hosp, Third Military Medical Univ, Chongqing, China

#### Poster Board Number P321 / Presentation Number TP321

### Strokes Occurring in the Hospital; Quality of Care and Outcome in a Tertiary Academic Medical Center

Haris Kamal, Navdeep Lail, Annemarie Crumlish, Marilou Ching, Robert Sawyer, Ashkan Mowla, State Univ of New York at Buffalo, Buffalo, NY

#### **Intracerebral Hemorrhage Posters II**

TP322 - TP351

#### Poster Board Number P322 / Presentation Number TP322

#### Small Vessel Disease Burden Alters the Clinical Phenotype of Acute Hypertensive Crises

Mehmet Yasir Pektezel, Mehmet Akif Topcuoglu, Rahsan Gocmen, Bulent Erbil, Mehmet Mahir Kunt, Nalan Metin Aksu, Kader K Oguz, Ethem Murat Arsava, Hacettepe Univ Faculty of Med, Ankara, Turkey

#### Poster Board Number P323 / Presentation Number TP323

### Prevalence And Clinical Character Of Cortical Superficial Siderosis In Stroke Patient

Shizuka Suzuki, Satoshi Suda, Takashi Shimoyama, Yohei Takayama, Takahiro Ouchi, Masafumi Arakiawa, Seiji Okubo, Junya Aoki, Kentaro Suzuki, Masahiro Mishina, Kazumi Kimura, Nippon Medical Sch, Tokyo, Japan

#### Poster Board Number P324 / Presentation Number TP324

# Macrobleeds and Microbleeds: A Vascular Risk Factor Microangiopathy Marco Pasi, Andreas Charidimou, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Gregoire Boulouis, Univ Paris-Descartes, INSERM LIMB 894. Dept of Neuroradiology, Ctr Hospier Sainte-Anne, Paris, France:

INSERM UMR 894, Dept of Neuroradiology, Ctr Hospier Sainte-Anne, Paris, France; Eitan Auriel, Kellen Haley, Alison Ayres, Kristin Schwab, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Joshua Goldstein, Jonathan Rosand, Div of Neurocritical Care and Emergency Neurology, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Anand Viswanathan, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA; Leonardo Pantoni, NEUROFARBA Dept, Neuroscience Section, Univ of Florence, Florence, Italy; Steven Greenberg, Edip Gurol, Hemorrhagic Stroke Res Program, Dept of Neurology, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P325 / Presentation Number TP325

### Lack of Early Improvement Predicts Poor Clinical Outcome Following Acute Intracerebral Hemorrhage

Vignan Yogendrakumar, Ottawa Hosp Res Inst. Ottawa, ON, Canada: Eric E Smith. Andrew M Demchuk, Hotchkiss Brain Inst, Calgary, AB, Canada; Richard I Aviv, Sunnybrook Res Inst, Toronto, ON, Canada; David Rodriguez-Luna, Carlos A Molina, Univri Vall d'Hebron, Barcelona, Spain; Yolanda S Blas, Inst d'Investigació Biomèdica Girona Fndn, Girona, Spain; Imanuel Dzialowski, Elblandklinikum Meissen Academic Teaching Hosp, Dresden, Germany; Adam Kobayashi, Inst of Psychiatry and Neurology, Warsaw, Poland; Jean-Martin Boulanger, Charles LeMoyne Hosp, Montreal, QC, Canada; Cheemun Lum, Ottawa Hosp Res Inst, Ottawa, ON, Canada; Gord Gubitz, QEII - Halifax Infirmary (HI) Site, Halifax, NS, Canada; Vasantha Padma, All India Inst of Medical Sciences, New Delhi, India; Jayanta Roy, Apollo Gleneagles Hosp, Kolkata, India; Carlos S Kase, Boston Medical Ctr, Boston, MA; Rohit Bhatia, All India Inst of Medical Sciences, New Delhi, India; Myzoon Ali, Inst of Cardiovascular and Medical Sciences, Glasgow, Ireland; Patrick D Lyden, Cedars-Sinai Medical Ctr, Los Angeles, CA; Michael D Hill, Hotchkiss Brain Inst, Calgary, AB, Canada; Dariush Dowlatshahi, Ottawa Hosp Res Inst, Ottawa, ON, Canada; PREDICT/Sunnybrook ICH CTA Study Group; VISTA Collaboration

#### Poster Board Number P326 / Presentation Number TP326

#### Lymphopenia, Infectious Complications and Outcome in Spontaneous Intracerebral Hemorrhage

Andrea Morotti, Sandro Marini, Michael J Jessel, Kristin Schwab, Alison M Ayres, Christina Kourkoulis, Edip M Gurol, Anand Viswanathan, Steven M Greenberg, Christopher D Anderson, Joshua N Goldstein, Jonathan Rosand, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA

#### Poster Board Number P327 / Presentation Number TP327

### Timing of Ventriculostomy and Ventricular Shunting for Intracranial Hemorrhage: A National Inpatient Sample Study

Steven Peters, David Tirschwell, Univ of Washington, Seattle, WA

#### Poster Board Number P328 / Presentation Number TP328

### Ischemic Stroke Following Prothrombin Complex Concentrates Administration for Intracerebral Hemorrhage

Andrew Blake Buletko, Tapan Thacker, Ken Uchino, Jennifer Frontera, Cleveland Clinic Fndn, Cleveland, OH

#### Poster Board Number P329 / Presentation Number TP329

### Venous Collateral Drainage Patterns Predict Clinical Worsening in Dural Venous Sinus Thrombosis

Sunil A Sheth, Harry Trieu, David S Liebeskind, Jeffrey L Saver, Viktor Szeder, Reza Jahan, Satoshi Tateshima, Gary Duckwiler, Univ of California, Los Angeles, Los Angeles. CA

#### Poster Board Number P330 / Presentation Number TP330

### Insular Cortex Lesions are Associated With Early Mortality in Patients With Intracerebral Hemorrhage

Luis Prats-Sánchez, Fernando Fayos, Elba Pascual-Goñi, Celia Painous, Pol Camps-Renom, Alejandro Martínez-Domeño, Raquel Delgado-Mederos, Joan Martí-Fàbregas, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain

#### Poster Board Number P331 / Presentation Number TP331

### Right Insular Damage is Associated With New Onset Atrial Fibrillation in Patients With Acute Intracerebral Hemorrhage

Luis Prats-Sánchez, Elba Pascual-Goñi, Fernando Fayos, Celia Painous, Raquel Delgado-Mederos, Alejandro Martínez-Domeño, Pol Camps-Renom, Joan Martí-Fàbregas, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain

#### Poster Board Number P332 / Presentation Number TP332

# Intracerebral Hemorrhage Volume to Edema Volume Ratio Predicts Poor Functional Outcome in Young Patients with Non-Lobar Primary Intracerebral Hemorrhage

Angela Hays Shapshak, April Sisson, Mini Singh, Michael J Lyerly, Karen Albright, Univ of Alabama at Birmingham, Birmingham, AL

#### Poster Board Number P333 / Presentation Number TP333

Transferred ICH Patients Are Less Frequently Screened For Illicit Drugs
Brandie Cline, Melissa Gazi, Michael Lyerly, Karen Albright, Toby Gropen, Univ of
Alabama at Birmingham, Birmingham, AL

#### Poster Board Number P334 / Presentation Number TP334

### Admission Neutrophilia is Not a Predictor of Hematoma Expansion in Deep Nuclei or Lobar Supratentorial Intracerebral Hemorrhage

Jessica A Ryder, Univeristy of Queensland Sch of Med, Ochsner Clinical Sch, New Orleans, LA; Ifeanyi Iwuchukwu, Inst of Translational Med, New Orleans, LA; Philip Feliciano, Univeristy of Queensland Sch of Med, Ochsner Clinical Sch, New Orleans, LA; Nikit Mahale, Inst of Translational Med, New Orleans, LA; Bethany Jennings, Ochsner Medical Ctr, New Orleans, LA; Doan Nguyen, Inst of Translational Med, New Orleans, LA; Olawale Sulaiman, Ochsner Medical Ctr, New Orleans, LA

#### Poster Board Number P335 / Presentation Number TP335

### Hospital-Acquired Infection is Associated with Poor Outcome in Young Adults with Hemorrhagic Stroke

Kathryn M Sundheim, Columbia Univ Coll of Physicians and Surgeons, New York, NY; Eliza C Miller, Columbia Univ Medical Ctr, New York, NY; Joshua Z Willey, Randolph S Marshall, Yuefan Shao, Amelia K Boehme, Columbia Univ Coll of Physicians and Surgeons, New York, NY

#### Poster Board Number P336 / Presentation Number TP336

### Characteristics and Outcome of Patients With Acute Intracerebral Hemorrhage Who Overuse Alcohol

Carla Avellaneda-Gómez, Maria Serra Martínez, Alejandra Gómez González, Hosp del Mar-Parc de Salut Mar, Barcelona, Spain; Ana Rodríguez-Campello, Angel Ois, Elisa Cuadrado-Godia, Jordi Jiménez-Conde, Eva Giralt-Steinhauer, IMIM, Hosp del Mar-Parc de Salut Mar, Barcelona, Spain; Pablo de Ceballos Cerrajería, Ana Zabalza de Torres, Hosp del Mar-Parc de Salut Mar, Barcelona, Spain; Jaume Roquer, IMIM, Hosp del Mar-Parc de Salut Mar, Barcelona, Spain

#### Poster Board Number P337 / Presentation Number TP337

### Multiphase CTA Improves ICH Expansion Prediction and Might Provide Additional Information on the Pathophysiology of the Spot Sign

David Rodriguez-Luna, Stroke Unit, Neurology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Pilar Coscojuela, Neuroradiology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Noelia Rodriguez-Villatoro, Jesus M Juega, Sandra Boned, Marian Muchada, Jorge Pagola, Marta Rubiera, Marc Ribo, Stroke Unit, Neurology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Alejandro Tomasello, Neuroradiology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain; Andrew M Demchuk, Mayank Goyal, Calgary Stroke Program, Dept of Clinical Neurosciences, Dept of Radiology, Hotchkiss Brain Inst, Univ of Calgary, Calgary, AB, Canada; Carlos A Molina, Stroke Unit, Neurology Dept, Vall d'Hebron Univ Hosp, Barcelona, Spain

#### Poster Board Number P338 / Presentation Number TP338

### Differences Between the Modified Rankin Scale and Barthel Index in Measuring Intracerebral Hemorrhage Recovery at 12 Months

Anirudh Sreekrishnan, Audrey Leasure, Sonya Zhou, Hardik Amin, Nils Petersen, David Hwang, Joseph Schindler, Emily Gilmore, Lauren Sansing, David Greer, Kevin Sheth, Yale Sch of Med, New Haven, CT

#### Poster Board Number P339 / Presentation Number TP339

#### Simultaneous Multiple Intracerebral Hemorrhages (SMICH)

Teddy Wu, Nawaf Yassi, Darshan Shah, Univ of Melbourne, Melbourne, Australia; Minmin Ma, Nanjing Univ Sch of Med, Nanjing, China; Gagan Sharma, Royal Melbourne Hosp, Melbourne, Australia; Jukka Putaala, Daniel Strbian, Helsinki Univ Hosp, Helsinki, Finland; Bruce Campbell, Univ of Melbourne, Melbourne, Australia; Turgut Tatlisumak, Sahlgrenska Univ Hosp,, Gothenburg, Sweden; Patricia Desmond, Stephen Davis, Atte Meretoja, Univ of Melbourne, Melbourne, Australia

#### Poster Board Number P340 / Presentation Number TP340

### Resumption of Anticoagulation after Intracerebral Hemorrhage: Risks, Benefits and Impact on Outcome

Jennifer A Frontera, John Nocero, Vladimir Katyshev, Cleveland Clinic, Cleveland, OH

#### Poster Board Number P341 / Presentation Number TP341

#### **Outcomes of Obese Patients With Intracerebral Hemorrhage**

Ifeanyi Iwuchukwu, Ochsner Medical Ctr, New Orleans, LA; Jessica A Ryder, Univ of Queensland, New Orleans, LA; Bethany Jennings, Ochsner Medical Ctr, New Orleans, LA; Philip Feliciano, Univ of Queensland, New Orleans, LA; Doan Nguyen, Nikit Mahale, Vivek Sabharwal, Harold McGrade, Alan Velander, Ochsner Medical Ctr, New Orleans, LA

#### Poster Board Number P342 / Presentation Number TP342

#### Early Erythrolysis in Hematoma After Experimental Hemorrhage

Ge Dang, Gang Wu, Yiwei Zeng, Ya Hua, Richard F Keep, Guohua Xi, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number P343 / Presentation Number TP343

#### The 1-1 Haptoglobin Phenotype is Associated With Perihematoma Edema Progression in Acute Intracranial Hemorrhage

Michael R Halstead, William Andrew Mould, Johns Hopkins Hosp, Baltimore, MD; Kevin N Sheth, Yale Sch of Med and Yale New Haven Hosp, New Haven, CT; Jonathon Rosand, Massachusetts General Hosp, Boston, MA; Richard Thompson, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Andrew Levy, Technion Israel Inst of Technology, Hafia, Israel; Daniel F Hanley, Johns Hopkins Hosp, Baltimore, MD; Joshua N Goldstein, Massachusetts General Hosp, Boston, MA; Paul Nyquist, Johns Hopkins Hosp, Baltimore, MD

#### Poster Board Number P344 / Presentation Number TP344

#### Stat6 Signaling in Microglia/macrophage is Critical for Functional Recovery After Intracerebral Hemorrhage

Jing Xu, Wei Cai, Kai Zhang, Huan Liu, Yejie Shi, Hongjian Pu, Xiaoming Hu, Jun Chen, Univ of Pittsburgh, PITTSBURGH, PA

#### Poster Board Number P345 / Presentation Number TP345

## A Systematic Review of Statins in Animal Models of Intracerebral Hemorrhage and Proposal of a Modified STAIR Criteria for Evaluation of Preclinical Studies in ICH

Dominic A Nistal, Christopher P Kellner, Daniel Wei, Diana Herrera, J D Mocco, Icahn Sch of Med at Mount Sinai, New York, NY

#### Poster Board Number P346 / Presentation Number TP346

# Pge2 Ep1-4 Temporospatial Expression Level Changes in the Brain After Intracerebral Hemorrhage in Young, Aged, and Ep1 Deficient Mice Suggests Cross-talk Interactions

Jenna L Leclerc, Andrew R Fadool, Julie C Bailes, Chase Chambers, Sylvain Doré, Univ of Florida, Gainesville, FL

#### Poster Board Number P348 / Presentation Number TP348

### Quantitative Serial Neuroimaging of Iron in the Intracerebral Hemorrhage Pig Model

Muhammad E Haque, Refaat E Gabr, Xiurong Zhao, Khader M Hasan, Ponnada A Narayana, Duyen M Nghiem, Sean I Savitz, Jaroslaw Aronowski, UTHealth Science Ctr of Houston, Houston, TX

#### Poster Board Number P349 / Presentation Number TP349

#### Recombinant Slit2 Reduces Brain Water Content and Attenuates Neurobehavioral Deficits Following Intracerebral Hemorrhage in a Murine Model

Sherrefa R Burchell, Cesar Reis, Lingyan Yu, Ningbo Xu, John H Zhang, Jiping Tang, Loma Linda Univ, Loma Linda, CA

#### Poster Board Number P351 / Presentation Number TP351

# AxI/Mer Receptor Tyrosine Kinase Mediates Erythrophagocytosis-Induced Macrophage Reparative Phenotype and Brain Recovery in Experimental Intracerebral Hemorrhage

Che-Feng Chang, Yale Sch of Med, New Haven, CT; Brittany A Thomas, Massachusetts Inst of Technology, Cambridge, MA; Michael Askenase, Arthur F Steinschneider, Youxi Ai, Roslyn Taylor, Carla V Rothlin, Yale Sch of Med, New Haven, CT; Christopher J Love, Massachusetts Inst of Technology, Cambridge, MA; Lauren H Sansing, Yale Sch of Med, New Haven, CT

#### **Nursing Posters II**

TP352 - TP396

#### Poster Board Number P352 / Presentation Number TP352

Nurse Practitioner Assisted Stroke Service Reduces Length of Stay and Cost Lovella Hailey, Melissa Mortin, Eema Hemmen, Emily Botts, Dawn Meyer, Karen Rapp, Thomas Hemmen, UCSD, San Diego, CA

#### Poster Board Number P353 / Presentation Number TP353

# Implementing a Nurse Driven Patient Education Program to Improve Understanding of Stroke Signs and Symptoms and Personal Risk Factors Post-discharge

Jennifer Coyle, Carolyn Szlachta, Lori Merkel, Giuliana Labella, Stephanie Casey, Thomas Jefferson Univ Hosp, Philadelphia, PA

#### Poster Board Number P354 / Presentation Number TP354

**Decreasing Door to Needle Times in Acute Stroke: A Multidisciplinary Approach** Sonny Kupniewski, Rachael Duncan, Rebecca van Vliet, Swedish Medical Ctr, Englewood, CO

#### Poster Board Number P356 / Presentation Number TP356

#### **Quality Improvement: Resopnding to In-House Stroke STAT Calls**

Dawn K Beland, Judith Greco-Dugan, Mallory Mangan, Abby Baecker, Hartford Hosp, Hartford, CT

#### Poster Board Number P357 / Presentation Number TP357

### Risk Factors of Stroke Among Community- residing Patients with Chronic Obstructive Pulmonary Disease (copd)

Hee-Young Song, Yonsei Univ, Wonju Coll of Med, Wonju, Korea, Republic of

#### Poster Board Number P358 / Presentation Number TP358

#### **Driving Down Door to Alteplase**

Amy Jones, Gladys Campbell, Nicole Abolins, Kendrea Chappell, Novant Health Forsyth Medical Ctr, Winston-Salem, NC

#### Poster Board Number P359 / Presentation Number TP359

Partnering in the Community to Improve Long Term Stroke Outcomes Sherri H Friedrich, Connie D Cruz, Sherri G Mendelson, Providence Holy Cross Medical Ctr. Mission Hills, CA

#### Poster Board Number P360 / Presentation Number TP360

Nursing Unit Stroke Patient Education Initiative Improves Documentation Georgia Weilbacher, Emily Paessun, The Ohio State Univ Wexner Medical Ctr, Columbus. OH

#### Poster Board Number P361 / Presentation Number TP361

Stroke Alert Outcomes Impacted by Nurse Activated Stroke Alert Leigh Allen, Jennifer Rasmussen, Scott & White Medical Ctr Temple, Temple, TX

#### Poster Board Number P362 / Presentation Number TP362

Door to Needle Time Improves With Implementation of an Alteplase Alert Within the Existing Code Stroke Process in a Primary Stroke Center Emergency Department

Tonia P Shelton, Leticia M Riley, Erin K Kibbey, Kristine J Heatley, Houston Methodist West Hosp, Houston, TX

#### Poster Board Number P363 / Presentation Number TP363

### Paramedic Angiographic Correlates (PACman): Utility of the Los Angeles Motor Score (LAMS) in Predicting Large Vessel Occlusions

Ethan S Brandler, Karol Perez, Henry Thode Jr, David Fiorella, SUNY Stony Brook Med, Stony Brook, NY

#### Poster Board Number P365 / Presentation Number TP365

### Design of a Mobile-friendly Website to Reduce Stroke Caregiver Burden: a Focus Group Study

Michelle R Caunca, Univ of Miami Miller Sch of Med, Miami, FL; Maria V Diaz, Albert Einstein Medical Ctr, Philadelphia, PA; Andres De Leon-Benedetti, Gregory Hartley, Sara J Czaja, Clinton B Wright, Univ of Miami Miller Sch of Med, Miami, FL

#### Poster Board Number P366 / Presentation Number TP366

Improving Transitions of Care with a Daily Rounding Tool

Melissa Richardson, Tyan Clarke, Hillcrest, Mayfield Heights, OH

#### Poster Board Number P367 / Presentation Number TP367

#### **Decreasing Decision to Transfer Times**

Denise Sorenson, NH Presbyterian Medical Ctr, Charlotte, NC; Jason Cooke, NH Matthews Medical Ctr, Matthews, NC; Lisa Loll, NH Huntersville Medical Ctr, Huntersville NC.

#### Poster Board Number P368 / Presentation Number TP368

Improving In-House Stroke Code Imaging and Treatment Times

Erin L Ward, Gail Lighthizer, Avneesh Uppal, Sharp Grossmont Hosp, La Mesa, CA

#### Poster Board Number P369 / Presentation Number TP369

#### EMS and ED Feedback Tool: Improving Metrics and Patient Outcome

Angelia F Russell, Matthew E Tilem, Barbara V Voetsch, Lahey Health and Medical Ctr, Burlington, MA

#### Poster Board Number P370 / Presentation Number TP370

### Comparing Time to IV Alteplase Administration by Arrival Mode in Midwest Hospitals

Paul Vilar, Aurora St Luke's Medical Ctr, Milwaukee, WI; Lynn Serdynski, Michelle Scharnott, American Heart Association, Milwaukee, WI; Dot Bluma, MetaStar Inc, Madison, WI; Mindy Cook, American Heart Association, Edina, MN; David Fladten, MetaStar Inc, Madison, WI

#### Poster Board Number P371 / Presentation Number TP371

#### Monitoring a Large-scale International Cluster Stroke Trial: Lessons From Head Position in Stroke Trial

Joyce Y Lim, Maree Hackett, The George Inst, Sydney, Australia; Paula Munoz-Venturelli, Vascular Neurology Unit, Clinica Alemana de Santiago, Univ del Desarrollo, Santiago, Chile; Hisatomi Arima, The George Inst, Sydney, Australia; Sandy Middleton, Australian Catholic Univ & St Vincent's Health, Sydney, Australia; Veronica V Olavarria, Pablo M Lavados, Vascular Neurology Unit, Clinica Alemana de Santiago, Univ del Desarrollo, Santiago, Chile; Alejandro M Brunser, Vascular Neurology Unit, Clínica Alemana de Santiago, Univ del Desarrollo, Santiago, Chile; Bin Peng, Liying Cui, Dept of Neurology, Peking Union Medical Coll Hosp, Chinese Academic Medical Science, Beijing, China; Tsong-Hai Lee, Dept of Neurology, Linkou Chang Gung Memorial Hosp, Taipei, Taiwan; Ruey-Tay Lin, Kaohsiung Medical Univ Chung-Ho Memorial Hosp, Kaohsiung, Taiwan; Octavio M Pontes-Neto, Ribeirão Preto Sch of Med. Univ of Sao Paulo, Ribeirao Preto, Brazil: Caroline L Watkins, Lancashire Clinical Trials Unit, Univ of Central Lancashire, Preston, United Kingdom; Thompson Robinson, Univ of Leicester, Dept of Cardiovascular Sciences and NIHR Biomedical Res Unit, Leicester, United Kingdom; Gillian Mead, Dept of Geriatric Med, Ctr for Clinical Brain Sciences, Univ of Edinburgh, Edinburgh, United Kingdom; Jeyaraj D Pandian, Dept of Neurology, Res and Development, Christian Medical Coll, Ludhiana, India; H Asita de Silva, Clinical Trials Unit, Faculty of Med, Univ of Kelaniya, Ragama, Sri Lanka; Craig S Anderson, The George Inst, Sydney, Australia

#### Poster Board Number P372 / Presentation Number TP372

### Implementation of a New Intermittent Pneumatic Compression Protocol in a Stroke Unit

Estela Sanjuan Menendez, Katherine E Santana Roman, Carlos A Molina, Pilar Giron Espot, Marc Ribo, David Rodriguez-Luna, Marian Muchada, Sandra Boned, Jorge Pagola, Jesus M Juega, Mireia Sanchis, Estefania Montiel, Noelia Rodriguez Villatoro, Marta Rubiera del Fueyo, Hosp Vall Hebron, Barcelona, Spain

#### Poster Board Number P373 / Presentation Number TP373

#### Advancing Stroke Recovery Through Social and Emotional Support

Mary Amatangelo, Brigham and Women's Hosp, Boston, MA; Janet Prvu Bettger, Duke Univ Sch of Nursing, Durham, NC; Karen J Collins, Collins Collaboration LLC, Willowbrook, IL; Barry Jackson, AARP, Rockville, MD; Elaine Miller, Univ of Cincinnati, Cincinnati, OH; Meredith Nguyen, American Stroke Association, Dallas, TX; Larry Sadwin, The Torbot Group, Warren, RI; Kristina Wait, American Stroke Association, Dallas, TX; Debbie Lombardi Hill, LHC Group, Gainesville, FL

#### Poster Board Number P374 / Presentation Number TP374

#### Stroke versus Stroke Mimic for Inpatient Code Brain

Nili E Steiner, Laurie Paletz, Betty Robertson, Nicole Wolber, Sonia Guerra, Cedars-Sinai Medical Ctr, Los Angeles, CA

#### Poster Board Number P375 / Presentation Number TP375

### Screening for Nontraditional Stroke Symptoms in Women: What is the Evidence? A Systematic Review

Renee Colsch, Univ of North Dakota/St Catherine Univ, St Paul, MN

#### Poster Board Number P376 / Presentation Number TP376

### Heme Oxygenase-1 is Essential for Hematoma Clearance After Intracerebral Hemorrhage

Liyan Zhang, Beijing Friendship Hosp, Beijing, China; Xiurong Zhao, Guanghua Sun, Jaroslaw Aronowski. Univ of Texas Health Science Ctr. Houston, TX

#### Poster Board Number P377 / Presentation Number TP377

#### Advancing Comprehensive Stroke Outcomes Through Concurrent Data Abstraction

Maryam A Amuda, Dewanda Smith, Shelley Nichols, Grady Health System, Atlanta, GA

#### Poster Board Number P378 / Presentation Number TP378

### Long Term Follow Up Telephone Evaluation of Post Stroke Quality of Life is Feasible and Effective

Renata Miranda, Carla Ledo, Daisa Escobosa, Caren Cristina Giannotti Bizutti, Amanda Ruiz, Andreia Vaccari, Rodrigo Massaud, Albert Einstein Hosp, São Paulo, Brazil; Daniel Malheiro, Gisele S Silva, Albert Einstein Hosp and Federal Univ of São Paulo, São Paulo, Brazil

#### Poster Board Number P379 / Presentation Number TP379

### "Build It and They Will Come": How Comprehensive Stroke Certification Increases the Number of Transfers

Betty Robertson, Cedars Sinai Medical Ctr, Los Angeles, CA

#### Poster Board Number P380 / Presentation Number TP380

### Improving Outcomes for Stroke Patients at Risk for Cognitive and Mood Impairments

Sanny Djoeva, Univ of Illinois at Chicago, Chicago, IL; Melissa N Lara-Angulo, Univ of Illinois Hosp & Health Sciences System, Chicago, IL

#### Poster Board Number P381 / Presentation Number TP381

# What Does It Take? How to Obtain Nursing Buy-in and Compliance of Neurological and Vital Sign Assessments and Re-assessment for the Stroke Patient Vickey Morgan, VCU/Community Memorial Hosp, South Hill, VA

#### Poster Board Number P382 / Presentation Number TP382

### Increasing Thrombolytic and Endovascular Therapy Utilization Through a Unique Telestroke Partnership

Ashley Elks, Vidant Medical Ctr, Greenville, NC; Rayetta Johnson, Amy K Guzik, Wake Forest Univ Baptist Medical Ctr, Winston-Salem, NC

#### Poster Board Number P383 / Presentation Number TP383

### Use of Plan-Do-Study-Act and Clinical Simulation Methodology to Develop a Mobile Prehospital Telestroke System

Pamela C Brown, Virginia Commonwealth Univ, Richmond, VA; Qaiser Toqeer, Novant Health, Manasses, VA; Kaitlynne Heath, Poanna Bennam, Jamie Heath, Muhammad Bhatti, Prachi Mehndiratta, Jamie V Ricks, Moshe Feldman, Andres Ruiz, Jeneane Henry, Kevon M Hekmatdoost, Virginia Commonwealth Univ, Richmond, VA; Theandra Madu, George Washington Univ, Washington, DC; Richard Decker, Daniel Fellows, Dempsey Whitt, Richmond Ambulance Authority, Richmond, VA; Jason Wong, Baaba Blankson, Vladimir Lavrentyev, Basit Rahim, Felton Warren III, Joseph P Ornato, Sherita Chapman Smith, Virginia Commonwealth Univ, Richmond, VA

#### Poster Board Number P384 / Presentation Number TP384

**Acute Ischemic Stroke During the Hospital Stay – Who is at Risk?** Melissa Richardson, Brooke Sinha, Hillcrest, Mayfield Heights, OH

#### Poster Board Number P385 / Presentation Number TP385

### Evolution of an Organized System of Care Positively Impacts Regional Stroke Treatment

Deb Motz, Michele Patterson, Tracy Moore, Baptist Health System, San Antonio, TX; Diana Barrett, American Heart Assocation, San Antonio, TX; Martha Buford, Connally Memorial Hosp, Floresville, TX; Cheryl Baker, Adam Blanchette, Kassandra Hunt, Sonja Widemon, Methodist Health System, San Antonio, TX; Eric Epley, Preston Love, STRAC, San Antonio, TX; Lee Birnbaum, David Miramontes, David Wampler, UTHSCSA, San Antonio, TX; Candace Mcalpine, Cheryl Prentiss, Univ Health System, San Antonio, TX; Dicky Huey, Baptist Health System, San Antonio, TX

#### Poster Board Number P386 / Presentation Number TP386

#### From Zero to Stroke Elite Gold Plus in Three Years

Margaret C Kester, Maureen Monczewski, Geisinger Community Medical Ctr, Scranton, PA; Angela Groody, Christopher Cummings, Neil Holland, Ramin Zand, Geisinger Medical Ctr, Danville, PA

#### Poster Board Number P387 / Presentation Number TP387

### Minibus Driver Stroke Risk Reduction Health Surveillance: From In-hospital to Community

Winson Wai Yuk Lo, Julie Chu Li Kwong, Caritas Medical Ctr, Hong Kong, China

#### Poster Board Number P388 / Presentation Number TP388

### Sharing Best Practices Amongst Stroke Centers in the Chicagoland Region Increases EMS Use and Decreases Door-to-Needle Times

Minna B Masor, Advocate Illinois Masonic Medical Ctr, Chicago, IL; Mary Kay Jennrich, Advocate Good Samaritan Hosp, Downers Grove, IL; Ginger Reilly, AMITA Health, Elk Grove Village, IL; Dee Behrens, Advocate Christ Medical Ctr, Oak Lawn, IL; Midwest Stroke Action Alliance

#### Poster Board Number P389 / Presentation Number TP389

#### Utilizing A Stroke Protocol to Improve Stroke Prevention Education

Allison Wells, Murray State Univ, Murray, KY; Norton healthcare/UK HealthCare-Stroke Care Network; Lisa Bellamy, Norton healthcare/UK HealthCare-Stroke Care Network, Lexington, KY

#### Poster Board Number P390 / Presentation Number TP390

#### Continuous Quality Improvement Implementation Across a Large Stroke Network of Affiliated Rural Hospitals Demonstrates Improved Care

Lisa M Bellamy, Kelley L Elkins, Michael R Dobbs, Norton Healthcare/UK HealthCare, Lexington, KY

#### Poster Board Number P391 / Presentation Number TP391

#### **Barriers and Facilitators to Self Care in Stroke Survivors**

Lisa A Babkair, Victoria Dickson, New York Univ, New York, NY

#### Poster Board Number P392 / Presentation Number TP392

Employing elCU Monitoring for Post-alteplase Sequencing: Optimizing Outcomes Janice McGraw, Diane Lada, Sharon Compton, Providence Alaska Medical Ctr, Anchorage, AK

#### Poster Board Number P393 / Presentation Number TP393

### Information Technology to Measure and Drive Outcomes for Acute Ischemic Stroke Patients

Kellie Brendle, Hao Zhang, Michelle Turner, Derek Holder, Kwan Ng, UCDavis Medical Ctr. Sacramento, CA

#### Poster Board Number P394 / Presentation Number TP394

### The 3- R's of a Stroke Program: Recognize Staff, Raise Alteplase Administration, Reduce Door-to-Needle times

Denise Goings, Medical Ctr Navicent Health, Macon, GA

#### Poster Board Number P395 / Presentation Number TP395

### Completing Stroke Education Requirements for Comprehensive Stroke Center Certification

Georgann R Adams, Belinda Wallbank, Indiana Univ Health, Indianapolis, IN

#### Poster Board Number P396 / Presentation Number TP396

#### Strategies for Successful Stroke Survey

Claranne Mathiesen, Erin M Conahan, Lehigh Valley Health Network, Allentown, PA

#### **Pediatric Stroke Posters II**

TP397 - TP406

#### Poster Board Number P397 / Presentation Number TP397

### Clinical And Functional Outcome Of Adult Patients Diagnosed With Moyamoya Disease In Childhood

David Fam, university of toronto, toronto, ON, Canada; Nomazulu Dlamini, Hosp for Sick Children, toronto, ON, Canada; Cheryl Jaigobin, Univ Health Network, toronto, ON. Canada

#### Poster Board Number P398 / Presentation Number TP398

# Cognitive Performance Over Time in Children With Intracerebral Hemorrhage Lexa K Murphy, Bruce E Compas, Vanderbilt Univ, Nashville, TN; Melissa C Gindville, Vanderbilt Univ Medical Ctr, Nashville, TN; Kristen L Reeslund, Vanderbilt Univ, Nashville. TN: Lori C Jordan. Vanderbilt Univ Medical Ctr. Nashville. TN

#### Poster Board Number P399 / Presentation Number TP399

Hemodynamic Imaging in Children with Transient Neurologic Symptoms

Laura L Lehman, Amy R Danehy, Miya E Bernson-Leung, Cameron C Trenor, Christopher F Calahan, Richard L Robertson, Michael J Rivkin, Boston Children's Hosp, Boston, MA

#### Poster Board Number P400 / Presentation Number TP400

Evoked Functional Cerebral Hemodynamic and Metabolic Responses in Premature Infants with and without Germinal Matrix Hemorrhage

Pei-Yi Lin, Fang-Yu Cheng, Katherine Hagan, Massachusetts General Hosp, Charlestown, MA; Yvonne Sheldon, Ellen P Grant, Boston Childrens Hosp, Boston, MA; Maria Angela Franceschini, Massachusetts General Hosp, Charlestown, MA

#### Poster Board Number P401 / Presentation Number TP401

Chemotherapy-associated Cerebral Vasospasm in Children With Leukemia: A Prospective Study Using Transcranial Doppler Ultrasound

Lisa R Sun, Wendy C Ziai, Ryan J Felling, The Johns Hopkins Hosp, Baltimore, MD

#### Poster Board Number P402 / Presentation Number TP402

Sickle Cell Disease in Pediatric Stroke – Inpatient Resource Utilization in the Decade Following STOP

J Michael Taylor, Paul Horn, Heidi Sucharew, Todd A Abruzzo, Jane Khoury, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH

#### Poster Board Number P403 / Presentation Number TP403

### Sex-Dependent Differences in a Mouse Model of Acta2-Related Cerebrovascular Disease

Jamie M Wright, Univ of Texas Health Science Ctr-Houston, Houston, TX; Jiyuan Chen, Univ of Texas Health Science Ctr at Houston, Houston, TX; Dianna M Milewicz, Univ of Texas Health Science Ctr-Houston, Houston, TX

#### Poster Board Number P404 / Presentation Number TP404

### Role of Patent Foramen Ovale in First and Recurrent Childhood Cryptogenic Arterial Ischemic Stroke

Evelyn K Shih, Shobha Natarajan, Christine Falkensammer, The Children's Hosp of Philadelphia, Philadelphia, PA; Lauren A Beslow, Yale-New Haven Children's Hosp, New Haven, CT; Steven R Messe, The Hosp of the Univ of Pennsylvania, Philadelphia, PA: Rebecca N Ichord. The Children's Hosp of Philadelphia, Philadelphia, PA

#### Poster Board Number P405 / Presentation Number TP405

**Psychological Outcomes After Childhood Arterial Ischemic Stroke** 

Emily C Maxwell, Univ of Colorado Sch of Med, Aurora, CO; Tonia Ballantyne, Kathleen E Carlson, Univ of Colorado Denver, Aurora, CO; Amanda L Hollatz, Univ of Colorado Sch of Med, Aurora, CO; KC Clevenger, Children's Hosp Colorado, Aurora, CO; Jennifer Armstrong-Wells, Timothy J Bernard, Richard Boada, Univ of Colorado Sch of Med, Aurora, CO

#### Poster Board Number P406 / Presentation Number TP406

Ipsilesional Myelination is Impaired in Children With Perinatal Arterial Stroke Sabrina Yu, Helen Carlson, Adam Kirton, Univ of Calgary, Calgary, AB, Canada

#### **Preventive Strategies Posters II**

TP407 - TP416

#### Poster Board Number P407 / Presentation Number TP407

### Effects of Remote Ischemic Conditioning on Cerebral Small Vessel Disease Outcomes

Yuan Wang, Haiqing Song, Kai Dong, Ran Meng, Shuying Wang, Qian Zhang, Xiaoqin Huang, Xuanwu Hosp, Capital Med Univ, Beijing, China; Wuwei Feng, Bruce Ovbiagele, Medical Univ of South Carolina, Charleston, SC, Charleston, SC; Xunming Ji, Xuanwu Hosp, Capital Med Univ, Beijing, China

#### Poster Board Number P408 / Presentation Number TP408

### Temporal Relationship of AF and Oral Anticoagulation to Major Bleeding Events in Patients with Cardiovascular Implantable Electronic Devices

Mariam Askari, Veterans Affairs Palo Alto Health Care System, Palo Alto, CA; Paul D Zielger, Medtronic Inc, Palo Alto, CA; Susan K Schmitt, Jun Fan, Veterans Affairs Palo Alto Health Care System, Palo Alto, CA; Aditya J Ullal, Stanford Univ Sch of Med, Palo Alto, CA; Mintu P Turakhia, Veterans Affairs Palo Alto Health Care System. Palo Alto, CA

#### Poster Board Number P409 / Presentation Number TP409

### Reporting of Key Demographic Characteristics in Neurological Trials Registered on ClinicalTrialsgov

Kush Fansiwala, Lauren Southwick, Emily Goldmann, Nina S Parikh, Joy Madubuonwu, Bernadette Boden-Albala, New York Univ, New York, NY

#### Poster Board Number P410 / Presentation Number TP410

### Beneficial Effect in Preventing the Risk of Aspiration Pneumonia in Patients With Acute Ischemic Stroke

Tae Jung Kim, Min-Kyung Kang, Kiwoong Nam, Heejung Mo, Sang Joon Ko, Sang-Bae Ko, Byung-Woo Yoon, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

#### Poster Board Number P411 / Presentation Number TP411

### Effects of Triflusal and Clopidogrel in Secondary Prevention of Stroke Based on Cytochrome P450 2C19 Genotyping

Kyung-Yul Lee, Yonsei Univ, Seoul, Korea, Republic of; Sang Won Han, Inje Univ Coll of Med, Seoul, Korea, Republic of; Yong-Jae Kim, Ewha Womans Univ Sch of Med, Seoul, Korea, Republic of; Seong Hwan Ahn, Chosun Univ Sch of Med, Gwangju, Korea, Republic of; Woo-Keun Seo, Sungwook Yu, Coll of Med, Korea Univ, Seoul, Korea, Republic of; Seung-Hun Oh, CHA Univ Coll of Med, Bundang, Korea, Republic of; Youn Nam Kim, Severance Hosp, Yonsei Univ Health System, Seoul, Korea, Republic of; MAESTRO Investigators

#### Poster Board Number P412 / Presentation Number TP412

### Predicting Pharmacokinetic versus Pharmacodynamic Aspirin Resistance in Patients

Erica S Westphal, Michelle M Rainka, Michelle Amsler, Traci Aladeen, Caitlin Snyder, Vernice Bates, Fran M Gengo, Dent Neurologic Inst, Amherst, NY

#### Poster Board Number P413 / Presentation Number TP413

#### Baseline Characteristics and Clinical Outcomes of a Non-valvular Atrial Fibrillation Patient Population Treated with Dabigatran or Warfarin – A Retrospective Database Analysis

Shannon L Reynolds, Srinivas Annavarapu, Chad Moretz, Stephen Stemkowski, Richard Sheer, Gosia Clore, Comprehensive Health Insights, Louisville, KY; Michaela Petrini, Boehringer Ingelheim Pharmaceuticals Inc, Ridgefield, CT; George Andrews, Comprehensive Health Insights, Louisville, KY

#### Poster Board Number P414 / Presentation Number TP414

### Are Periodic Limb Movements and Obstructive Sleep Apnea Associated with Atrial Fibrillation or Resistant Hypertension in Stroke and TIA Patients?

Syed Ali Raza, Srikant Rangaraju, Gaurav Gadodia, Labib Marmarchi, Ammar Razzak, Lynn Marie Trotti, David Rye, Brittaine Davis, Laura Henriquez, Samir Belagaje, Nicolas Bianchi, Melanie Winningham, Fadi Nahab, Emory Univ, Atlanta, GA

#### Poster Board Number P415 / Presentation Number TP415

### A Pilot Study on the Effect of Neck Irradiation Treatment for Nasopharyngeal Carcinoma on Carotid Artery Stenosis

Fung Peng Woon, Singapore General Hosp, Singapore, Singapore; Ee Wei Lim, Natl Neuroscience Inst (Singapore General Hosp campus), Singapore, Singapore; Moi Pin Lee, Hui Yee Gan, Singapore General Hosp, Singapore, Singapore; Hui Meng Chang, Natl Neuroscience Inst (Singapore General Hosp campus), Singapore, Singapore; Yoke Lim Soong, Natl Cancer Ctr Singapore, Singapore, Singapore; Deidre A De Silva, Natl Neuroscience Inst (Singapore General Hosp campus), Singapore, Singapore

#### Poster Board Number P416 / Presentation Number TP416

#### Early Carotid Revascularization Reduces Readmission for Recurrent Ischemic Stroke in Acute Ischemic Stroke Patients: Analysis of United States Nationwide Readmissions Database

Saqib A Chaudhry, Shitong Gu, Michigan State Univ, Lansing, MI; Mohammad Rauf Afzal, Ahmed Riaz, Zeenat Qureshi Stroke Inst, St Cloud, MN; Haseeb Rehman, Houston Methodist Hosp, Houston, TX; Gautham Sachdeva, Ahsan Sattar, Anmar Razak, Michigan State Univ, Lansing, MI; Adnan I Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### SAH and Other Neurocritical Management

TP417 - TP431

#### Poster Board Number P417 / Presentation Number TP417

#### Plasma D-dimer Elevation Predicts Poor Functional Outcomes Through Systemic Complications After Aneurysmal Subarachnoid Hemorrhage

Hitoshi Fukuda, Amagasaki General Medical Ctr, Hyogo, Japan; Yu Yamamoto, Akira Handa, Yoshitaka Kurosaki, Sen Yamagata, Kurashiki Central Hosp, Kurashiki, Japan

#### Poster Board Number P418 / Presentation Number TP418

#### Red Blood Cell Transfusion Increases Cerebral Oxygen Delivery After Subarachnoid Hemorrhage Regardless of Hemoglobin Level

Rajat Dhar, Allyson Zazulia, Tom Videen, Washington Univ Sch of Med, Saint Louis, MO; Colin P Derdeyn, Univ of Iowa, Iowa City, IA; Michael Diringer, Washington Univ Sch of Med, Saint Louis, MO

#### Poster Board Number P419 / Presentation Number TP419

A Common Data Language for Clinical Research Studies: The National Institute of Neurological Disorders and Stroke and National Library of Medicine Cerebral Aneurysms and Subarachnoid Hemorrhage Common Data Elements Version 10 Recommendations

Joanne Odenkirchen, The Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Liz Amos, Christophe Ludet, Natl Library of Med, Bethesda, MD; Muniza Sheikh, Sherita Ala'i, Joy Esterlitz, The Emmes Corp, Rockville, MD; Jose Suarez, Baylor Coll of Med, Houston, TX

#### Poster Board Number P420 / Presentation Number TP420

Fluctuations in Glasgow Coma Scale Score Correlate with Non-invasive Continous Cerebral Autoregulation Monitoring in Comatose Patients
Ryan Healy, Andres Zorrilla-Vaca, Wendy Ziai, Romer Geocadin, Marek A Mirski,
Charles Hogue, Lucia A Rivera Lara, John Hopkins Univ, Baltimore, MD

#### Poster Board Number P421 / Presentation Number TP421

### Admission Neutrophil-Lymphocyte Ratio Predicts Delayed Cerebral Ischemia Following Aneurysmal Subarachnoid Hemorrhage

Vincent Dodson, Rutgers New Jersey Medical Sch, Newark, NJ; Ethan Wasjwol, Rutgers New Jersey Medical Sch, Montville, NJ; Fawaz Al-Mufti, Krishna Amuluru, Mohammad Elghanem, Ahmad Thabet, Rolla Nuoman, Paul Singh, Charles Prestigiacomo, Chirag Gandhi, Rutgers New Jersey Medical Sch, Newark, NJ

#### Poster Board Number P422 / Presentation Number TP422

### Platelet Transfusion In Patients Presenting With Aneurysmal Subarachnoid Hemorrhage Does Not Improve Outcome

Ali Sultan-Qurraie, Medical Coll of Wisconsin, Milwaukee, WI; Adam de Havenon, Univ of Utah, Salt Lake City, UT; John Lynch, Medical Coll of Wisconsin, Milwaukee, WI; David Tirschwell, Univ of Washington, Seattle, WA; Marc Lazzaro, Brian Fred-Fitzsimmons, Medical Coll of Wisconsin, Milwaukee, WI

#### Poster Board Number P423 / Presentation Number TP423

### Trends of Hospitalization Cost of Aneurysmal Subarachnoid Hemorrhage in the United States

Sumul Modi, Kavit Shah, Muhammad Affan, Rizwan Tahir, Panayiotis Varelas, Horia Marin, Henry Ford Health System, Detroit, MI

#### Poster Board Number P424 / Presentation Number TP424

#### Re-bleed in Nontraumatic Convexity Subarachnoid Hemorrhage

Jennifer Harris, Beth Israel Deaconess Medical Ctr, Boston, MA; Rachel Forman, James Conners, Rajeev Garg, Sayona John, Rush Medical Ctr, Chicago, IL; Vivien Lee, The Ohio State Univ Wexner Medical Ctr, Columbus, OH

#### Poster Board Number P425 / Presentation Number TP425

### How do Different Outcome Measures Reflect Outcome After Aneurysmal Subarachnoid Hemorrhage

Daniel Haenggi, Nima Etminan, Hans Jakob Steiger, Medical Faculty, Heinrich-Heine-Univ, Düsseldorf, Germany; R Loch Macdonald, St Michael's Hosp, Toronto, ON, Canada; Stephan A Mayer, Mount Sinai Hosp, New York, NY; Francois Aldrich, Univ of Maryland Medical Ctr, Baltimore, MD; Michael Diringer, Washington Univ Sch of Med, St Louis, MO; Brian Hoh, Univ of Florida, Gainesville, FL; J Mocco, Mount Sinai Hosp, New York, NY; Poul Strange, Phase1 to 4, LLC, Princeton Junction, NJ; Michael Miller, ; Phase1 to 4, LLC, Princeton Junction, NJ; Herbert Faleck, Edge Therapeutics, Inc, Berkeley Heights, NJ; NEWTON Investigators

#### Poster Board Number P426 / Presentation Number TP426

### Impact of Electrographic Seizure Activity on Outcomes Among Critically-ill Patients with Stroke

Neha S Dangayach, Stephen A Griffiths, Icahn Sch of Med at Mount Sinai and Mount Sinai Health System, New York, NY; Marta Melis, Univ of Cagliari, Cagliari, Italy; Jiyeoun Yoo, Lara Marcuse, Madeline Fields, Errol Gordon, Stephan A Mayer, Icahn Sch of Med at Mount Sinai and Mount Sinai Health System, New York, NY

#### Poster Board Number P427 / Presentation Number TP427

### National Estimates of Recurrent Intracranial Hemorrhage Among Patients with Ruptured Intracranial Aneurysms: Effect of Treatment Modality

Saqib A Chaudhry, Michigan State Univ, Lansing, MI; Mohammad Rauf Afzal, Zeenat Qureshi Stroke Inst, St Cloud, MN; Burhan Chaudhry, Cerebrovascular Ctr Cleveland Clinic, Cleveland, OH; Haseeb Rehman, Houston Methodist Hosp, Houston, TX; Ahmed Riaz, Zeenat Qureshi Stroke Inst, St Cloud, MN; Ali Saeed, Adnan Safdar, Mounzer Kassab, Michigan State Univ, Lansing, MI; Adnan Qureshi, Zeenat Qureshi Stroke Inst, St Cloud, MN

#### Poster Board Number P428 / Presentation Number TP428

### Leukocyte Subpopulation at Day 0 in Aneurysmal Subarachnoid Hemorrhage as Predictor of Cerebral Vasospasm

Iulia Dorneanu, Norma Castillo, Abdullah Muhammad, Fernando Testai, UIC, Chicago, IL

#### Poster Board Number P429 / Presentation Number TP429

### Association Between Perioperative Management and Outcome in Aged SAH Patients

Keisuke Ido, Dept of Neurosurgery, Graduate Sch of Medical Scienses, Kyushu Univercity, Fukuoka, Japan; Akiko Kada, Dept of Clinical Trials and Res, Natl Hosp Organization Nagoya Medical Ctr, Nagoya-city, Japan; Kunihiro Nishimura, Dept of Preventive Med and Epidemiologic Informatics, Natl Cerebral and Cardiovascular Ctr, Suita-city, Japan; Satoru Kamitani, Dept of Public Health/Health Policy, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Kuniaki Ogasawara, Dept of Neurosurgery, Iwate Medical Univ, Morioka, Japan; Junichi Ono, Dept of Neurosurgery, Sanmu Medical Ctr, Sanmu, Japan; Shiokawa Yoshiaki, Dept of Neurosurgery, Kyorin Univ, Mitaka, Japan; Toru Aruga, Dept of Emergency and Critical Care Med, Showa Univ Hosp, Shinagawa, Japan; Kazunori Toyoda, Dept of Cerebrovascular Med. Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Jyoji Nakagawara, Integrative Stroke Imaging Ctr, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Shigeru Miyachi, Dept of Neurosurgery, Osaka medical Coll, Takatsuki, Japan; Shinichi Yoshimura, Dept of Neurosurgery, Hyogo Coll of Med, Nishinomiya, Japan; Kazuo Okuchi, Dept of Emergency and Critical Care Med, Nara Medical Univ, Kashihara, Japan; Nagata Izumi, Dept of Neurosurgery, Kokura Memorial Hosp, Kitakyushu, Japan; Shinya Matsuda, Shinya Matsuda, Dept of Preventive Med and Community Health, Sch of Med. Univ of Occupational and Environmental Health, Kitakyushu, Japan: Fumiaki Nakamura, Dept of Public Health/Health Policy, Graduate Sch of Med, Univ of Tokyo, Tokyo, Japan; Daisuke Onozuka, Dept of Health Communication, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Akihito Hagihara, Dept of Health Communication, Graduate Sch of Medical Sciences, Kyushu Univ., Fukuoka, Japan: Akifumi Suzuki, Dept of Surgical Neurology, Res Inst for Brain and Blood Vessels-AKITA, Akita, Japan; Ryota Kuroqi, Dept of Neuro-Endovascular Therapy, Natl Kyushu medical center, Fukuoka, Japan; Tetsuro Sayama, Koichi Arimura, Ataru N

#### Poster Board Number P430 / Presentation Number TP430

#### Analyses of CSF and Serum miRNA Expression in Subarachnoid Hemorrhage Patients Suggest Important Roles in Restoration of Impaired Vascular Homeostasis

Yuichiro Kikkawa, Koichi Uramaru, Hiroki Sato, Taro Yanagawa, Kaima Suzuki, Masahiro Okuma, Hiroyuki Nakajima, Ririko Takeda, Hiroki Kurita, Intl Medical Ctr, Saitama Medical Univ, Hidaka-city, Saitama Pref, Japan

#### Poster Board Number P431 / Presentation Number TP431

Spontaneous Spinal Subarachnoid Hemorrhage: A Mayo Clinic Case Series Micah D Yost, Alejandro A Rabinstein, Mayo Clinic Rochester, Rochester, MN

#### Vascular Cognitive Impairment Posters II

TP432 - TP443

#### Poster Board Number P432 / Presentation Number TP432

### Predictors for Dementia Conversion in Cerebral Amyloid Angiopathy From a Stroke Unit

Li Xiong, Massachusetts General Hosp, Cambridge, MA; Raffaella Valenti, Univ of Florence, Florence, Italy; Andreas Charidimou, Gregoire Boulouis, Massachusetts General Hosp, Boston, MA; Duangnapa Roongpiboonsopit, Naresuan Univ, Phitsanulok, Thailand; Susanne Janneke Van Veluw, Sergi Martinez-Ramirez, Alison Ayres, Biffi Alessandro, Edip Gurol, Steven Greenberg, Anand Viswanathan, Massachusetts General Hosp, Boston, MA

#### Poster Board Number P433 / Presentation Number TP433

Subcortical Stroke in E4FAD Transgenic Mice Modulates Amyloid Plaque Accumulation, Motor Recovery After Stroke, and Memory Dysfunction Julia Huang, Edmond Teng, Gregory Cole, Jason Hinman, Univ of California Los Angeles, Los Angeles, CA

#### Poster Board Number P434 / Presentation Number TP434

Mouse Bilateral Carotid Artery Stenosis Leads to Unexpected Early Changes in Blood-Brain Barrier Integrity

Jill Roberts, Michael Maniskas, Gregory Bix, Univ of Kentucky, Lexington, KY

#### Poster Board Number P435 / Presentation Number TP435

Remote Ischemic Conditioning Augments Collateral Circulation and Angiogenesis in a Bilateral Carotid Artery Stenosis Model in Mice Mohammad B Khan, Sherif Hafez, Mohamed Awad, Jesse D Wagner, Babak Baban, M N Hoda, David C Hess, Augusta Univ, Augusta, GA

#### Poster Board Number P436 / Presentation Number TP436

### Native American Veterans With Vascular Risk Factors Have High Rates of Vascular Cognitive Impairment

Angelia C Kirkpatrick, Julie A Stoner, Fabiola M Donna-Ferreira, George C Malatinszky, Adreinne M Elias, Leslie D Guthery, Daniel A Garcia-Martino, Eka Makharoblidze, Calin I Prodan, Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK

#### Poster Board Number P437 / Presentation Number TP437

### Asymptomatic Carotid Stenosis is Associated With Cognitive Impairment in a Chinese Community Population

Jiaokun Jia, Xingquan Zhao, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

#### Poster Board Number P438 / Presentation Number TP438

### Nanoparticulate Matter Exposure Mediates White Matter Damage in a Murine Model

Robin Babadjouni, Qinghai Liu, Keck Sch of Med, Los Angeles, CA; Hank Cheng, Davis Sch of Gerontology, Univ of Southern California, Los Angeles, CA; Ramon Durazo, Drew M Hodis, Arati Patel, Ryan Radwanski, Keck Sch of Med, Los Angeles, CA; Constantinos Sioutas, Viterbi Sch of Engineering, Univ of Southern California, Los Angeles, CA; Todd E Morgan, Caleb E Finch, Davis Sch of Gerontology, Univ of Southern California, Los Angeles, CA; William J Mack, Keck Sch of Med, Los Angeles, CA

#### Poster Board Number P439 / Presentation Number TP439

### Occurrence (Incidence and Prevalence) Rate of Delirium and Risk Factors in Acute Stroke – Cross-sectional Study

Terence J Quinn, Robert Shaw, Martin Taylor-Rowan, Univ of Glasgow, Glasgow, United Kingdom

#### Poster Board Number P440 / Presentation Number TP440

### Elevated Plasma Level of Soluble Form of RAGE in Ischemic Stroke Patients With Vascular Cognitive Impairment

Sung-Chun tang 100, Natl Taiwan Univ, Taipei, Taiwan; Hung-Yi Chiou, Taipei Medical Univ, Taipei, Taiwan; Chung Y Hsu, China Medical Univ, Tai-Chung, Taiwan; Chau-Chung Wu, Jiann-Shing Jeng, Natl Taiwan Univ, Taipei, Taiwan

#### Poster Board Number P441 / Presentation Number TP441

### Fornix Microstructure Correlates with Post-stroke Memory Impairment Independently of Lesion Volume

Paul Wright, Nicola J Ray, Michael J O'Sullivan, King's Coll London, London, United Kingdom

#### Poster Board Number P442 / Presentation Number TP442

### Periventricular Not Deep White Matter Hyperintensities Are Associated With Vascular Cognitive Impairment

Yan Chen, Renyuan Liu, Shuwei Qiu, Yun Xu, Nanjing Drum Tower Hosp, Nanjing, China

#### Poster Board Number P443 / Presentation Number TP443

### Early Cognitive Decline in Patients with Symptomatic Carotid Stenosis is Related to Plaque Inflammation and Concomitant Intracranial Stenosis

Yee Shuang Wan, Prakash R Paliwal, Yanhong Dong, Bernard PL Chan, Hock L Teoh, Chiew S Hong, Heng C Young, Zhengdao Du, Jin T Chen, Lily YH Wong, Arvind K Sinha, Vijay K Sharma, Natl Univ of Singapore, Singapore, Singapore

#### **Vascular Malformations Posters II**

TP445 - TP449

#### Poster Board Number P445 / Presentation Number TP445

#### **Bevacizumab Therapy for Brain Arteriovenous Malformations**

Daniel L Cooke, Helen Kim, Wade Smith, Michael Lawton, Jennifer Clarke, David Saloner, Nerissa Ko, Patricia Sneed, Charles McCulloch, Hua Su, Univ of California San Francisco, San Francisco, CA

#### Poster Board Number P446 / Presentation Number TP446

Predictors of Hemorrhagic Severity in Arteriovenous Malformation Patients Jay Yu, Andrew Nicholson, Jeffrey Nelson, Stephanie Tse, Steven Hetts, Claude Hemphill, Helen Kim, Daniel Cooke, UCSF, San Francisco, CA

#### Poster Board Number P447 / Presentation Number TP447

### Edaravone Reduces Hyperperfusion-related Neurological Deficits After Direct Bypass in Adult Moyamoya Disease

Haruto Uchino, Naoki Nakayama, Ken Kazumata, Kiyohiro Houkin, Hokkaido Univ, Sapporo, Japan

#### Poster Board Number P448 / Presentation Number TP448

#### Genome-wide CNV Array Analysis Following Post-hoc Targeted Amplicon Sequencing Revealed Genetic Anticipation in Parent-offspring Pairs with Moyamoya Disease

Masaki Ito, Haruto Uchino, Ken Kazumata, Yuuka Hama, Shuji Hamauchi, Hiroshi Nishihara, Hidenao Sasaki, Kiyohiro Houkin, Hokkaido Univ Graduate Sch of Med, Sapporo, Japan

#### Poster Board Number P449 / Presentation Number TP449

#### Clinical and Angiographic Outcomes From Combined Direct and Indirect Bypass in Adult Patients with Moyamoya Disease: A Retrospective Study of 76 Procedures

Jinbing Zhao, Hongyi Liu, Yuanjie Zou, Shengxue He, Nanjing Brain Hosp, Nanjing, China

### Previously Published Science: Abstracts Previously PPS1 - PPS4 Published or Presented after AHA Acceptance

#### Poster Board Number PPS1 / Presentation Number PPS1

# Ischemic Stroke Patients Are Biologically Older Than Their Chronological Age Carolina Soriano-Tarraga, Eva Giralt-Steinhauer, Marina Mola-Caminal, Rosa M Vivanco-Hidalgo, Angel Ois, Ana Rodriguez-Campello, Elisa Cuadrado-Godia, Inst Hosp del Mar d'Investigacions Mèdiques (IMIM) Hosp del Mar, Barcelona, Spain; Sergi Sayols-Baixeras, Roberto Elosua, Inst Hosp del Mar d'Investigacions Mèdiques (IMIM), Barcelona, Spain; Jaume Roquer, Jordi Jimenez-Conde, Inst Hosp del Mar d'Investigacions Mèdiques (IMIM)Hosp del Mar, Barcelona, Spain

#### Poster Board Number PPS2 / Presentation Number PPS2

#### Prospective Prehospital Evaluation of the Cincinnati Stroke Triage Assessment Tool

Jason T McMullan, Univ of Cincinnati, Cincinnati, OH; Brian Katz, OhioHelth, Columbus, OH; Joseph Broderick, Pamela Schmit, Univ of Cincinnati, Cincinnati, OH; Heidi Sucharew, Cincinnati Childrens Hosp Medical Ctr, Cincinnati, OH; Opeolu Adeoye, Univ of Cincinnati, Cincinnati, OH

#### Poster Board Number PPS3 / Presentation Number PPS3

#### Symptomatic Carotid Occlusion is Frequently Associated With Microembolization

Ava L Liberman, Albert Einstein Coll of Med, Bronx, NY; Ali Zandieh, Univ of Illinois, Chicago, IL; Caitlin Loomis, Yale Medical Sch, New Haven, CT; Jonathan Raser-Schramm, Christiana Care Health System, Delaware, NY; Christina Wilson, Univ of Florida, Gainesville, FL; Jose Torres, New York Univ Langone Medical Ctr, New York, NY; Swaroop Pawar, Abington Memorial Hosp, Abington, PA; Koto Ishida, New York Univ Langone Medical Ctr, New York, NY; Rebecca Davis, Michael Mullen, Steven Messe, Scott Kasner, Brett Cucchiara, Univ of Pennsylvania, Philadelphia, PA

#### Poster Board Number PPS4 / Presentation Number PPS4

#### Neonatal Hemorrhagic Stroke: Population-based Epidemiology

Lauran Cole, Univ of Calgary/ Calgary Pediatric Stroke Program, Calgary, AB, Canada; Deborah Dewey, Univ of Calgary, Cumming Sch of Med, Calgary, AB, Canada; Nicole Letourneau, Univ of Calgary, Faculty of Nursing, Calgary, AB, Canada; Bonnie J Kaplan, Univ of Calgary, Cumming Sch of Med, Calgary, AB, Canada; Kathleen Chaput, Univ of Calgary/ Alberta Children's Hosp Res Inst, Calgary, AB, Canada; Jacquie Hodge, Univ of Calgary/ Calgary Pediatric Stroke Program, Calgary, AB, Canada; Amalia Floer, Calgary Pediatric Stroke Program/ Alberta Children's Hosp, Calgary, AB, Canada; Adam Kirton, Univ of Calgary/ Calgary Pediatric Stroke Program, Calgary, AB, Canada

**ONGOING CLINICAL TRIALS ABSTRACTS** 

POSTER SESSION II

THURSDAY, FEBRUARY 23 6:15 PM - 6:45 PM

HALL F

#### **Ongoing Clinical Trials Posters II**

CTP1 - CTP40

#### Poster Board Number CTP1 / Presentation Number CTP1

### DWI or CTP Assessment With Clinical Mismatch in the Triage of Wake Up and Late Presenting Strokes Undergoing Neurointervention

Raul Nogueira, Ēmory Univ, Atlanta, GĀ; Tudor Jovin, UPMC, Pittsburgh, PA; DAWN Trial Investigators

#### Poster Board Number CTP2 / Presentation Number CTP2

#### TICH-2 Trial - Tranexamic Acid for Intracerebral Haemorrhage 2

Philip M Bath, Jason Appleton, Hayley Foster, Margaret Adrian, Michael Stringer, Jamie Longmate, James Kirby, Katie Flaherty, Polly Scutt, Azlinawati Ali, Stefan Pszczolkowksi Parraguez, Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number CTP3 / Presentation Number CTP3

### PRACTISE Trial: Penumbra & Recanalisation Acute Computed Tomography in Ischaemic Stroke Evaluation

Salwa El Tawil, Alicia Murray, Univ of Glasgow, Glasgow, United Kingdom; Joanna Wardlaw, Univ of Edinburgh, Edinburgh, United Kingdom; Lalit Kalra, King's Coll London, London, United Kingdom; Ian Ford, Univ of Glasgow, Glasgow, United Kingdom; Thompson Robinson, Univ of Leicester, Leicester, United Kingdom; Elizabeth Warburton, Univ of Cambridge, Cambridge, United Kingdom; Janet Freeman, None, None, United Kingdom; Keith Muir, Univ of Glasgow, Glasgow, United Kingdom

#### Poster Board Number CTP4 / Presentation Number CTP4

# Rapid Intervention With Glyceryl Trinitrate in Hypertensive Stroke Trial-2 (RIGHT-2): Safety and Efficacy of Transdermal Glyceryl Trinitrate, a Nitric Oxide Donor

Mark Dixon, Jason P Appleton, Timothy England, Diane Havard, Harriet Howard, Malcolm Jarvis, Alan Montgomery, Univ of Nottingham, Nottingham, United Kingdom; Stuart Pocock, London Sch of Hygiene and Tropical Med, Dept of Statistics, London, United Kingdom; John Potter, Univ of of East Anglia, Norwich Medical Sch, Norwich, United Kingdom; Christopher Price, Univ of Newcastle, The Medical Sch, Newcastle, United Kingdom; Tom Robinson, Univ of Leicester, Dept of Cardiovascular Sciences, Leicester, United Kingdom; Christine Roffe, Keele Univ, Inst of Science and Technology in Med, Keele, United Kingdom; Niro Siriwardena, Univ of Lincoln, Sch of Health and Social Care, Lincoln, United Kingdom; Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom; Joanna Wardlaw, Univ of Edinburgh, Ctr for Clinical Brain Sciences, Edinburgh, United Kingdom; Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number CTP5 / Presentation Number CTP5

Alteplase-Tenecteplase Trial Evaluation for Stroke Thrombolysis (ATTEST 2)
Alicia Murray, Keith Muir, Ian Ford, Univ of Glasgow, Glasgow, United Kingdom;
Gary Ford, Oxford Univ Hosp NHS Trust, Oxford, United Kingdom; Joanna Wardlaw,
Univ of Edinburgh, Edinburgh, United Kingdom

#### Poster Board Number CTP6 / Presentation Number CTP6

### Remote Ischemic Conditioning Prevents Ischemic Cerebrovascular Events in Children With Moyamoya Disease: A Randomized Controlled Trial

Sijie Li, Wenbo Zhao, Xuanwu Hosp,Capital Medical Univ, Beijing, China; Shuling Shang, Tangshan Union Medical Coll Hosp, Tangshan, China; Ran Meng, Xuanwu Hosp,Capital Medical Univ, Beijing, China; Yuchuan Ding, Wayne State Univ, Detroit, MI; Xunming Ji, Xuanwu Hosp,Capital Medical Univ, Beijing, China

#### Poster Board Number CTP7 / Presentation Number CTP7

#### General or Local anestesia in Intra Arterial Therapy ("GOLIATH")

Claus Z Simonsen, Leif H Sørensen, Aarhus Univ Hosp, Aarhus, Denmark; Albert J Yoo, Texas Stroke Inst, Plano, TX; Mads Rasmussen, Aarhus Univ Hosp, Aarhus, Denmark

#### Poster Board Number CTP8 / Presentation Number CTP8

### Rationale, Design, and Progress of the Benefits of Stroke Treatment Delivered Using a Mobile Stroke Unit Trial

Jose-Miguel Yamal, Suja S Rajan, UTHealth Sch of Public Health, Houston, TX; Stephanie A Parker, Ritvij Bowry, Tzu-Ching Wu, Nicole R Gonzales, UTHealth, Houston, TX; David Persse, Houston Fire Dept Emergency Medical Services, Houston, TX; Asha P Jacob, UTHealth Sch of Public Health, Houston, TX; Andrew D Barreto, UTHealth, Houston, TX; Andrei V Alexandrov, Univ Clinical Health, Univ of Tennessee, Memphis, TN; William Jones, Univ of Colorado, Denver, CO; James C Grotta, Memorial Hermann Hosp, Houston, TX

### Poster Board Number CTP9 / Presentation Number CTP9 Shine Hyperglycemia Insulin Network Effort (SHINE) Trial

Heather M Haughey, Karen C Johnston, Univ of Virginia, Charlottesville, VA

#### Poster Board Number CTP10 / Presentation Number CTP10

#### Platelet Oriented Inhibition in New TIA and Minor Ischemic Stroke

Mary Farrant, UCSF, San Francisco, CA; Clay Johnston, The Univ of Texas at Austin, Austin, TX; J Donald Easton, Anthony S Kim, UCSF, San Francisco, CA; Jordan Elm, Medical Coll of South Carolina MUSC, Charleston, SC

#### Poster Board Number CTP11 / Presentation Number CTP11

Crest-2 Registry (c2r) Ensures Carotid Stenting Quality While Supporting Trial
Brajesh K Lal, Univ of Maryland Medical Ctr, Baltimore, MD; Kenneth Rosenfield,
Massachusetts General Hosp, Boston, MA; Donald Heck, Mayo Clinic Jacksonville,
Jacksonville, FL; Seemant Chaturvedi, Univ of Miami Miller Sch of Med, Miami, FL;
Gary Roubin, Cardiovascular Associates of the Southeast, Birmingham, AL; Kimberlly
Nordstrom, Heather Morris, Univ of Maryland, Baltimore, MD; James Meschia,
Thomas G Brott, Mayo Clinic Jacksonville, Jacksonville, FL

#### Poster Board Number CTP12 / Presentation Number CTP12

### Extension of Stroke Care by Added Neuroprotection to Endovascular Treatment – Escape-na1 Trial

Michael D Hill, Mayank Goyal, Bijoy K Menon, Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada; Dar Dowlatshahi, Univ of Ottawa, Ottawa, ON, Canada; Richard Swartz, Univ of Toronto, Toronto, ON, Canada; Thalia Field, Univ of British Columbia, Vancouver, BC, Canada: Kenneth Butcher, Jeremy Rempel, Univ of Alberta, Edmonton. AB, Canada; Michael Kelly, Gary Hunter, Univ of Saskatchewan, Saskatoon, SK, Canada; Jennifer Mandzia, Western Univ, London, ON, Canada; Cheemun Lum, Univ of Ottawa, Ottawa, ON, Canada; Leanne Casaubon, Timo Krings, Univ of Toronto, Toronto, ON, Canada; Jai J Shankar, Dalhousie Univ, Halifax, NS, Canada; Alexandre Poppe, Univ of Montreal, Montreal, QC, Canada; Donatella Tampieri, McGill Univ, Monteral, QC, Canada; Ariane Mackay, Univ Laval, Quebec City, QC, Canada; Daniel Roy, Univ Montreal, Montreal, QC, Canada; Aditya Bharatha, Univ of Toronto, Toronto, ON, Canada; John Thornton, Beaumont Hosp, Dublin, Ireland; Paul Burns, Royal Victoria Hosp, Belfast, United Kingdom; Staffan Holmin, Karolinska Inst, Stockholm, Sweden; Katarina Jood, Gothenberg Univ Hosp, Gothenberg, Sweden; Bruce Campbell, Royal Melbourne Hosp, Melbourne, Australia: Oh Young Bang, Samsung Medical Ctr. Seoul, Korea, Republic of; Ji Hoe Heo, Severance Hosp, Seoul, Korea, Republic of; Sung II Sohn, Keimyung Univ Hosp, Daego, Korea, Republic of: Joung Ho Rha, Inha Univ Hosp, Incheon, Korea, Republic of; Tudor G Jovin, UPMC, Pittsburgh, PA; Donald Frei, Swedish Medical Ctr, Denver, CO; Hana Choe, Abington Memorial Hosp, Abington, PA; Thomas Devlin, Blaise Baxter, Erlanger Medical Ctr, Chatannooga, TN

#### Poster Board Number CTP13 / Presentation Number CTP13

NAVIGATE ESUS Trial: Geographic Variations in Ineligibilty Rates and Causes Ashkan Shoamanesh, McMaster Univ / Population Health Res Inst, Hamilton, ON, Canada; Matthys Basson, Tiervlei trial Ctr, Bellville, South Africa; Roeland Crols, AZ Middleheim, Antwerpen, Belgium; Giuseppe Lembo, IRCCS Neuromed, Pozzilli, Italy; Bruce Coull, Univ of Arizona Medical Ctr, Tuscon, AZ; Lee Birnbaum, Univ of Texas Health Sciences Ctr, San Antonio, TX; Jurg Beer, Cantonal Hosp of Baden, Baden, Switzerland; Kneale Metcalf, Norfolk and Norwich Univ Hosp NHS Fndn Trust, Norwich, United Kingdom; Zbigniew Bak, SP Wojewodzki Szpital Specjalistyczny, Oddzial Neurologiczny i Oddzial Udarowy, Chelm, Poland; Rozsa Csilla, Jahn Ferenc Del-pesti Hosp, Budapest, Hungary; Johannes M Engelbrecht, Dr JM Engelbrecht Trial Site, Somerset West, South Africa; Lynda Fielding, Cardiovascular, Bayer Inc, Toronto, ON, Canada; Calin Pater, Bayer HealthCare Pharmaceuticals, Leverkusen, Germany; Stuart J Connolly, McMaster Univ / Population Health Res Inst, Hamilton, ON, Canada

## Poster Board Number CTP14 / Presentation Number CTP14 TEMP0-2: TNK-tPA for Minor Stroke With Proven Acute Symptomatic Occlusion

Shelagh B Coutts, Carol Kenney, Amy Yu, Univ of Calgary, Calgary, AB, Canada; Mark Parsons, Univ of Newcastle, Newcastle, Australia; Mayank Goyal, Univ of Calgary, Calgary, AB, Canada; Peter Kelly, Univ Coll Dublin, Dublin, Ireland; Christopher Levi, Univ of Newcastle, Newcastle, Australia; Keith Muir, Univ of Glasgow, Glasgow, United Kingdom; Stefan Greisenegger, Medical Univ of Vienna, Vienna, Austria; Carlos Molina, Hosp Univri Vall d'Hebron, Barcelona, Spain; Michael Hill, Univ of Calgary, Calgary, AB, Canada

#### Poster Board Number CTP15 / Presentation Number CTP15

#### The Bleeding With Antithrombotic Therapy Study 2 (BAT2)

Shoichiro Sato, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Teruyuki Hirano, Kyorin Univ, Tokyo, Japan; Makoto Sasaki, Iwate Medical Univ, Morioka, Japan; Hiroyuki Daida, Juntendo Univ, Tokyo, Japan; Toshimitsu Hamasaki, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Yasuhiro Hasegawa, St Marianna Univ, Kawasaki, Japan; Masatoshi Koga, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Shinji Nagahiro, Tokushima Univ, Tokushima, Japan; Kazuyuki Nagatsuka, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Kuniaki Ogasawara, Iwate Medical Univ, Morioka, Japan; Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Nobuyuki Sakai, Kobe City Medical Ctr General Hosp, Kobe, Japan; Jun C Takahashi, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; Yusuke Yakushiji, Saga Univ, Saga, Japan; Haruko Yamamoto, Satoshi Yasuda, Kazunori Toyoda, Natl Cerebral and Cardiovascular Ctr, Osaka, Japan; BAT2 Investigators

### Poster Board Number CTP16 / Presentation Number CTP16

#### Intracerebral Hemorrhage Deferoxamine (iDEF) Trial

Casey Norton, Beth Israel Deaconess Medical Ctr, Boston, MA; Sharon Yeatts, Medical Univ of South Carolina, Charleston, SC; Claudia Moy, NINDS, Bethesda, MD; Aaron Perlmutter, Andre Thornhill, Lydia Foster, Catherine Dillon, Jessica Simons, Medical Univ of South Carolina, Charleston, SC; Amy Dill, Univ of Cincinatti, Cincinatti, OH; Magdy Selim, Beth Israel Deaconess Medical Ctr, Boston, MA

#### Poster Board Number CTP17 / Presentation Number CTP17

### The PRISMS Trial: A Phase 3b, Double-blind, Multicenter Study to Evaluate the Efficacy and Safety of Alteplase in Patients With Mild Stroke

Pooja Khatri, Univ of Cincinnati Academic Health Ctr, Cincinnati, OH; Joseph P Broderick, Univ of Cincinnati, Cincinnati, OH; Anjan Chatterjee, Univ of Pennsylvania, Philadelphia, PA; Edward C Jauch, Medical Univ of South Carolina, Charleston, SC; Steven R Levine, SUNY Downstate Medical Ctr, Brooklyn, NY; Jose G Romano, Univ of Miami, Miami, FL; Jeffrey L Saver, Univ of California, Los Angeles, Los Angeles, CA; Sharon D Yeatts, Medical Univ of South Carolina, Charleston, SC; Marco Paschoalin, Barbara Purdon, Genentech Inc, South San Francisco, CA; on behalf of the PRISMS Investigators

#### Poster Board Number CTP18 / Presentation Number CTP18

# Design of ACTION II: A Multicenter, Double-Blind, Placebo-Controlled, Randomized, Parallel-Group, Dose-Ranging Study to Evaluate the Efficacy and Safety of Intravenous (IV) Natalizumab on Functional Independence and Activities of Daily Life in Patients Wi

Mitchell S Elkind, Columbia Univ, New York, NY; Roland Veltkamp, Imperial Coll London, London, United Kingdom; Maarten G Lansberg, Stanford Univ Medical Ctr, Stanford Stroke Ctr, Stanford, CA; Kyra Becker, Univ of Washington, Seattle, WA; Aneesh B Singhal, Massachusetts General Hosp, Boston, MA; Joan Montaner, Vall d'Hebron Res Inst (VHIR) and Inst of Biomedicine of Seville (IBiS) Stroke Programme, Barcelona, Seville, Spain; S Claiborne Johnston, Univ of Texas, Austin, TX; Gabriel Lima, Diogo Amarante, Deb Steiner, Weihua Tang, Jacob Elkins, Biogen, Cambridge. MA

# Poster Board Number CTP19 / Presentation Number CTP19 Eraser: A Study Using Predictive Analytics to Assess Mechanical Thrombectomy

Susanne Siemonsen, Univ Medical Ctr Hamburg Eppendorf, Hamburg, Germany; Nils Forkert, Hotchkiss Brain Inst, Calgary, AB, Canada; Martina Bernhardt, Götz Thomalla, Univ Medical Ctr Hamburg Eppendorf, Hamburg, Germany; Martin Bendszus, Univ Medical Ctr Heidelberg, Heidelberg, Germany; Jens Fiehler, Univ Medical Ctr Hamburg Eppendorf, Hamburg, Germany

#### Poster Board Number CTP20 / Presentation Number CTP20 Minimally Invasive Surgery plus rt-PA for Intracerebral Hemorrhage Evacuation (MISTIE) Phase III

Nichol McBee, Karen Lane, W Andrew Mould, Johns Hopkins Univ, Baltimore, MD; Steven Mayo, Emissary Intl, Austin, TX; Krista Vermillion, Tracey Hartmann, Amanda Bistran-Hall, Johns Hopkins Univ, Baltimore, MD; Agnieszka Stadnik, Univ of Chicago, Chicago, IL; P Lynn Money, Univ of Cincinnati, Cincinnati, OH; Paul Camarata, Kansas Univ Medical Ctr, Kansas City, MO; Wendy Ziai, Johns Hopkins Univ, Baltimore, MD; Kennedy R Lees, Jesse Dawson, Univ of Glasgow, Glasgow, United Kingdom; A David Mendelow, Newcastle upon Tyne Hosp Trust, Newcastle upon Tyne, United Kingdom; Barbara Gregson, Newcastle upon Tyne Hosp, Newcastle upon Tyne, United Kingdom; Craig Anderson, The George Inst, Sydney, Australia; Richard E Thompson, Johns Hopkins Univ, Baltimore, MD; Issam Awad, Univ of Chicago, Chicago, IL; Mario Zuccarello, Univ of Cincinnati, Cincinnati, OH; Daniel F Hanley, Johns Hopkins Univ, Baltimore, MD; MIll Investigators

#### Poster Board Number CTP21 / Presentation Number CTP21

### STROKE-AF: A Randomized Trial of Atrial Fibrillation Detection in Patients With Ischemic Stroke of Presumed Known Origin

Lee H Schwamm, Massachusetts General Hosp, Boston, MA; Hooman Kamel, Weill Cornell Med, New York, NY; Christopher B Granger, Duke Clinical Res Inst, Durham, NC; Robert Kowal, Baylor Heart and Vascular Hosp, Baylor Univ Medical Ctr., Dallas, TX; Paul D Ziegler, Dept of Res, Medtronic plc,, Minneapolis, MN; Richard A Bernstein, Davee Dept of Neurology, Feinberg Sch of Med of Northwestern Univ,, Chicago, IL

#### Poster Board Number CTP22 / Presentation Number CTP22

#### A Phase III Trial of Bun/Cr-based Hydration Therapy to Reduce Strokein-evolution and Improve Short-term Functional Outcomes for Dehydrated Patients With Acute Ischemic Stroke

Leng Chieh Lin, Chang Gung Memorial Hosp, Chiayi, Taiwan

#### Poster Board Number CTP23 / Presentation Number CTP23

### Xanthine Oxidase Inhibition for Improvement of Long Term Outcomes Following Ischaemic Stroke and Transient Ischaemic Attack

Jesse Dawson, Univ of Glasgow, Glasgow, United Kingdom; Niall Broomfield, NHS Greater Glasgow and Clyde, Glasgow, United Kingdom; Krishna Dani, Univ of Glasgow, Glasgow, United Kingdom; Alexander Doney, Univ of Dundee, Dundee, United Kingdom; Kirsten Forbes, NHS Greater Glasgow and Clyde, Glasgow, United Kingdom; Graeme Houston, Univ of Dundee, Dundee, United Kingdom; Kennedy Lees, Terence Quinn, Keith Muir, Univ of Glasgow, Glasgow, United Kingdom; Allan Struthers, Univ of Dundee, Dundee, United Kingdom; Matthew Walters, Univ of Glasgow, Glasgow, United Kingdom

#### Poster Board Number CTP24 / Presentation Number CTP24

### A European, Multicentre, Phase III, Clinical Trial of Hypothermia for Acute Ischaemic Stroke: Eurohyp-1

Philip M Bath, Hayley Gregory, Univ of Nottingham, Nottingham, United Kingdom; Kennedy Lees, Univ of Glasgow, Inst of Cardiovascular and Medical Sciences, Glasgow, United Kingdom; Malcolm Macleod, Univ of Edinburgh, Ctr for Clinical Brain Sciences, Edinburgh, United Kingdom; Bart van der Worp, Univ Medical Ctr, Dept of Neurology, Utrecht, Netherlands; Derk Krieger, Univ of Copenhagen, Dept of Neurology, Copenhagen, Denmark; Jesper Petersson, Dept of Neurology, Malmo, Skane, Sweden; Dimitre Staykov, Stefan Schwab, Univ of Erlangen, Dept of Neurology, Erlangen, Germany; Bridget Colam, Univ of Edinburgh, Ctr for Clinical Brain Sciences, Edinburgh, United Kingdom; Nikola Sprigg, Univ of Nottingham, Nottingham, United Kingdom

#### Poster Board Number CTP25 / Presentation Number CTP25

# Short Term Outcomes After Intracranial Stenting and Angioplasty in Patients With Symptomatic Intracranial Arterial Stenosis: Analysis of Clinical Registry in China

Yabing Wang, Liqun Jiao, Feng Ling, Capital Medical Univ, Beijing, China

#### Poster Board Number CTP26 / Presentation Number CTP26

### The Analysis of Revascularization in Ischemic Stroke With EmboTrap – ARISE II Trial

Osama Zaidat, Mercy Health, StVincent's Hosp, Toledo, OH; Jeffrey L Saver, UCLA Comprehensive Stroke Ctr, Los Angeles, CA; Tommy Andersson, Karolinska Univ Hosp, Stockholm, Sweden; Heinrich P Mattle, Inselspital, Univsspital Bern, 3010 Bern, Switzerland

#### Poster Board Number CTP27 / Presentation Number CTP27

### Insights on Selected Procoagulation Markers and Outcomes in Stroke Trial (I-SPOT)

Nina T Gentile, A Koneti Rao, Hannah Reimer, Temple Univ, Philadelphia, PA; Askiel Bruno, Augusta Univ, Augusta, GA; Viswanathan Ramakrishnan, Medical Univ of South Carolina, Charleston, SC; William Barsan, Univ of Michigan, Ann Arbor, MI

#### Poster Board Number CTP28 / Presentation Number CTP28

#### New Generation Hydrogel Endovascular Aneurysm Treatment Trial Rami J Aoun, Mayo Clinic, Phoenix, AZ; Jennifer D Ward, Byron K Yip, Jason F Kniss, Northwestern Univ, Chicago, IL; Bernard R Bendok, Mayo Clinic, Phoenix, AZ

#### Poster Board Number CTP29 / Presentation Number CTP29

Newton 2: Phase 3, Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group, Efficacy and Safety Study Comparing Eg-1962 to Standard of Care Oral Nimodipine in Adults With Aneurysmal Subarachnoid Hemorrhage Daniel Hänggi MD, Nima Etminan, Univ Hosp Mannheim, Mannheim, Germany; Stephan Mayer, Mount Sinai Hosp, New York, NY; Francois Aldrich, Univ of Maryland Medical Ctr, Baltimore, MD; Michael Diringer, Washington Univ Sch of Med, St Louis, MO; Andrew Carlson, Univ of New Mexico Sch of Med, Albuquerque, NM; George Wong, Prince of Wales Hosp, Hong Kong, China; Erich Schmutzhard, Medical Univ Innsbruck, Innsbruck, Austria; Herbert Faleck, Edge Therapeutics, Berkeley Heights, NJ; R Loch Macdonald, St Michael's Hosp, Toronto, ON, Canada; NEWTON-2 Investigators

#### Poster Board Number CTP30 / Presentation Number CTP30

### Secondary Stroke Prevention by Uniting Community and Chronic Care Model Teams Early to End Disparities: The SUCCEED Trial

Amytis Towfighi, Univ of Southern California, Los Angeles, CA; Monica Ayala-Rivera, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Theresa Sivers-Teixeira, Univ of Southern California, Los Angeles, CA; Elizabeth Mojarro-Huang, Los Angeles County-Univ of Southern California Medical Ctr, Los Angeles, CA; Magaly Ramirez, Univ of Southern California, Los Angeles, CA; Heather McCreath, Univ of California Los Angeles, Los Angeles, CA; Jeremy Wacksman, Dimagi Inc, Cambridge, MA; Eric M Cheng, Univ of California Los Angeles, Los Angeles, CA; Jamie Tran, Harbor UCLA Medical Ctr, Torrance, CA; Chris Ediss, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Ana Montoya, Harbor UCLA Medical Ctr, Torrance, CA; Marissa Castro, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Ali Razmara, Kaiser Permanente, Irvine, CA; Tara Dutta, Kaiser Permanente, Sacramento, CA; Bijal Mehta, Univ of California Los Angeles, Los Angeles, CA; Shlee Song, Cedars-Sinai Medical Ctr, Los Angeles, CA; Robert Bryg, Neal Rao, Univ of California Los Angeles, Los Angeles, CA; Shinyi Wu, Univ of Southern California, Los Angeles, CA; Phyllis Willis, Watts Labor Community Action Committee, Los Angeles, CA; Lilian Moreno, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Maura Fernandez, Los Angeles County-Univ of Southern California Medical Ctr, Los Angeles, CA; Diamond Martinez, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Adam Richards, Frances Barry, Univ of California Los Angeles, Los Angeles, CA; Valerie Hill, Rancho Los Amigos Natl Rehabilitation Ctr, Downey, CA; Brian Mittman, Veterans Admin Greater Los Angeles Healthcare System, Los Angeles, CA: William Cunningham, Honghu H Liu, David Ganz, Univ of California Los Angeles, Los Angeles, CA; Diane Factor, Worker Education and Resource Ctr, Los Angeles, CA; Nancy Ibrahim, Esperanza Community Housing, Los Angeles, CA; Barbara G Vickrey, Icahn Sch of

#### Poster Board Number CTP31 / Presentation Number CTP31

Remote Preconditioning Over Time to Empower Cerebral Tissue (REM-PROTECT) Latisha K Sharma, David S Liebeskind, Ivie Tokunboh, Johanna L Avelar, Jeffrey L Saver, UCLA Stroke Ctr, Los Angeles, CA

#### Poster Board Number CTP32 / Presentation Number CTP32

# The Intracerebral Hemorrhage Acutely Decreasing Blood Pressure Trial II (ICHADAPTII): Impact of Antihypertensive Therapy on Ischemic Lesion Development in Hemorrhagic Stroke Patients

Ana Klahr, Univ of Alberta, Edmonton, AB, Canada; Dariush Dowlatshahi, Univ of Ottawa, Ottawa, ON, Canada; Hely Shah, Brian Buck, Alejandro Manosalva, Hayrapet Kalashyan, Alan Wilman, Thomas Jeerakathil, Kenneth Butcher, Univ of Alberta, Edmonton, AB, Canada

#### Poster Board Number CTP33 / Presentation Number CTP33

### Treatment Evaluation of Acute Stroke for Using in Regenerative Cell Elements (TREASURE): A Randomized Controlled Phase II/III Trial of MultiStem (HLCM051)

Kiyohiro Houkin, Hokkaido Univ Hosp, Sapporo, Japan; Shinichiro Uchiyama, Clinical Res Ctr for Med, Intl Univ of Health and Welfare, Ctr for Brain and Cerebral Vessels, Sanno Hosp and Sanno Medical Ctr, Tokyo, Japan; Kazuo Minematsu, Dept of Cerebrovascular Med, Natl Cerebral and Cardiovascular Ctr, Suita, Japan; Akihiko Taguchi, Dept of Regenerative Med Res, Inst of Biomedical Res and Innovation, Kobe, Japan

#### Poster Board Number CTP34 / Presentation Number CTP34

### Autologous Bone Marrow Stromal Cell Transplantation Against Stroke; RAINBOW Study

Hideo Shichinohe, Masahito Kawabori, Chengbo Tan, Zifeng Wang, Takeo Abumiya, Naoki Nakayama, Ken Kazumata, Kiyohiro Houkin, Hokkaido Univ, Sapporo, Japan

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#### **Critical Periods After Stroke Study**

Alexander W Dromerick, MedStar Natl Rehabilitation Network, Washington, DC; Dorothy F Edwards, Univ of Wisconsin — Madison, Madison, WI; Matthew A Edwardson, Georgetown Univ, Washington, DC; Margot L Giannetti, Jessica Barth, Kathaleen P Brady, Claire P Wilson, MedStar Natl Rehabilitation Network, Washington, DC; Evan Chan, MedStar Health Res Inst, Hyattsville, MD; Shashwati Geed, MedStar Natl Rehabilitation Network, Washington, DC; Ming T Tan, Georgetown Univ, Washington, DC; Massimo S Fiandaca, Howard J Federoff, Univ of California — Irvine, Irvine, CA; Elissa L Newport, Georgetown Univ, Washington, DC

#### Poster Board Number CTP36 / Presentation Number CTP36

#### **NIH StrokeNet Evolving Trial Proposal Process**

Joseph P Broderick, Univ of Cincinnati, Cincinnati, OH; Yuko Y Palesch, Wenle Zhao, Medical Univ of South Carolina, Charleston, SC; Scott Janis, Claudia S Moy, Natl Inst of Neurological Disorders & Stroke, Bethesda, MD

#### Poster Board Number CTP37 / Presentation Number CTP37

### 30 Day Results of Revascularization of Extracranial Carotid Artery Stenosis (RECAS) Trial in Mainland China

Yang Bin, Chen Yanfei, Wang Yabing, Gao Peng, Ma Yan, Jiao Liqun, Xuanwu hospital, Beijing, China

#### Poster Board Number CTP38 / Presentation Number CTP38

Republic of

Clinical Trial for Intravenous Transplantation of Human Umbilical Cord-derived Mesenchymal Stem Cells in Patients With Acute Cerebral Infarction
Ok Joon Kim, Seung Hun Oh, CHA Bundang Medical Ctr, CHA Univ, SungNam,
Korea, Republic of; Jae Seung Lim, Min Jung Shin, CHABiotech, SungNam, Korea,

# Poster Board Number CTP39 / Presentation Number CTP39 Telerehabilitation in the Home Versus Therapy In-Clinic for Patients With Stroke

Steven C Cramer, Univ of California, Irvine, Orange, CA; Telerehabilitation in the Home Versus Therapy In-Clinic for Patients With Stroke Investigators

#### Poster Board Number CTP40 / Presentation Number CTP40

### Carotid Revascularization and Medical Management for Asymptomatic Carotid Stenosis: CREST-2 Update

James F Meschia, Mayo Clinic, Jacksonville, FL; Brajesh K Lal, Univ of Maryland, Baltimore, MD; George Howard, Universtiy of Alabama at Birmingham, Birmingham, AL; Gary S Roubin, Cardiovascular Associates of the Southeast, Birmingham, AL; Robert D Brown Jr, Mayo Clinic, Rochester, MN; Kevin M Barrett, Mayo Clinic, Jacksonville, FL; Seemant Chaturvedi, Univ of Miami Miller Sch of Med, Miami, FL; Marc I Chimowitz, Medical Univ of South Carolina, Charleston, SC; Bart M Demaerschalk, Mayo Clinic, Phoenix, AZ; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; John Huston III, Mayo Clinic, Rochester, MN; Ronald M Lazar, Columbia Univ Medical Ctr, New Yok City, NY; Wesley S Moore, Univ of California Los Angeles, Los Angeles, CA; Claudia S Moy, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Tanya N Turan, Jenifer H Voeks, Medical Univ of South Carolina, Charleston, SC; Thomas G Brott, Thomas G Brott, Mayo Clinic, Jacksonville, FL



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Fornage, Myriam wMP53, TMP60 for the COMPASS TP308	Frey, Courtney WP213, TP53 Frid handler, Jon TP252 Fridriksson, Julius WP156,	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126
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Fornage, Myriam WMP53, TMP60 for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, WP3	Frey, Courtney WP213, TP53 Frid handler, Jon TP252 Fridriksson, Julius WP156, WP163, WP169 Friedman, Neil R 169	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378	Gillow, Sabreena J 17 Gilmore, Emily TP338 Gindville, Melissa C 109, <b>TP398</b> Ginsberg, Mark 121, 126 Gioia, Laura C <b>TP250</b> Giovannetti, Tania <b>WP444</b>
Fornage, Myriam wMP53, TMP60 for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD 89	Frey, Courtney WP213, TP53 Frid handler, Jon TP252 Fridriksson, Julius WP163, WP169 Friedman, Neil R 169 Friedman, Nicolette H WP361	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38	Gillow, Sabreena J 17 Gilmore, Emily TP338 Gindville, Melissa C 109, <b>TP398</b> Ginsberg, Mark 121, 126 Gioia, Laura C <b>TP250</b> Giovannetti, Tania <b>WP444</b> Giralt, Dolors 42, 67
Fornage, Myriam WMP53, TMP60 for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, WP3	Frey, Courtney WP213, TP53 Frid handler, Jon TP252 Fridriksson, Julius WP156, WP163, WP169 Friedman, Neil R 169	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378	Gillow, Sabreena J 17 Gilmore, Emily TP338 Gindville, Melissa C 109, <b>TP398</b> Ginsberg, Mark 121, 126 Gioia, Laura C <b>TP250</b> Giovannetti, Tania <b>WP444</b>
Fornage, Myriam wMP53, TMP60 for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD 89 Investigators and Collaborators	Frey, Courtney WP213, TP53 Frid handler, Jon TP252 Fridriksson, Julius WP163, WP169 Friedman, Neil R 169 Friedman, Nicolette H WP361 Friedrich, Sherri H TP359	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67	Gillow, Sabreena J 17 Gilmore, Emily TP338 Gindville, Melissa C 109, <b>TP398</b> Ginsberg, Mark 121, 126 Gioia, Laura C <b>TP250</b> Giovannetti, Tania <b>WP444</b> Giralt, Dolors 42, 67
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Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD 89 Investigators and Collaborators for the FL-PR CReSD Investigators and Collaborators	Frey, Courtney Frid handler, Jon Frid handler, Jon Fridriksson, Julius Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedr, Patricia Frisbee, Jefferson C Friedran, Courtney WP213, TP53 WP153 WP153 WP163, WP169 WP163, WP169 WP163, WP169 WP163, WP169 WP163, WP169 WP163, TP59 WP163, WP169 WP169, P169, WP169 WP169, WP169 WP169 WP169, WP169	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108
Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD R9 Investigators and Collaborators for the FL-PR CRESD Investigators TMP81 and Collaborators for the FL-PR CRESD Investigators TP2	Frey, Courtney Frid handler, Jon Frid handler, Jon Fridriksson, Julius Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedr, Patricia Frisbee, Jefferson C Frischmann, Lindsey Frid handler, TP353 Friedmann, Lindsey Friedmann, Lindsey Friedmann, Lindsey Friedmann, TP253 Friedmann, Lindsey Friedmann, Lindsey Friedmann, TP253 Friedmann, Lindsey WP213, TP53 WP153 WP163,	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372
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Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD R9 Investigators and Collaborators for the FL-PR CRESD Investigators TMP81 and Collaborators for the FL-PR CRESD Investigators TP2 and Collaborators for the FL-PR CRESD Investigators TP311	Frey, Courtney Frid handler, Jon Frid handler, Jon Fridriksson, Julius Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedrich, Sherri H Frishmann, Lindsey Fritz, Michele Froehler, Michael Froehler, Michael Fried, Patricia Froehler, Michael Froehler, Michael Froehler, Michael Fried MP213, TP53 WP156, WP163, WP169, WP163, WP169, WP164, WP169, WP165, WP169, WP166, WP169, WP	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436 Garcia-Rivera, Enid J TMP81, TP311 Garcia-Tornell, Alvaro WP40	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372           Girouard, Shirley         WP379, TP312           Gissler, Mika         WP199
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Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD SIDENT STATES STA	Frey, Courtney Frid handler, Jon Frid handler, Jon Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedr, Patricia Frisbee, Jefferson C Frischmann, Lindsey Fritz, Michele Froehler, Michael Froehler, Michael T Frid handler, Jon Frey, Courtney Frizh, WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP163, TP25 WP163, WP163, WP163, WP163 WP275 WP275 WP275 Fritz, Michael Froehler, Michael Froehler, Michael T LBP2, LBP3, LB15, LBP17, TMP4, TP36	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436 Garcia-Rivera, Enid J TMP81, TP311 Garcia-Tornell, Alvaro WP40 Gardener, Hannah 89, WMP90, TP2, TP311	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372           Girouard, Shirley         WP379, TP312           Gissler, Mika         WP199           Given, Curtis         LB3           Gladstone, David J         LB16
Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD SIDENT TMP81 and Collaborators for the FL-PR CRESD Investigators TMP81 and Collaborators for the FL-PR CRESD Investigators TP2 and Collaborators for the FL-PR CRESD TR911 Investigators and Collaborators WMP90,	Frey, Courtney Frid handler, Jon Frid handler, Jon Fridriksson, Julius Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedrich, Sherri H Frishmann, Lindsey Frishmann, Lindsey Fritz, Michele Froehler, Michael Froehler, Michael Frid handler Froehler, Michael Frid handler Friedrich, Sherri H Fri	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436 Garcia-Rivera, Enid J TMP81, TP311 Garcia-Tornell, Alvaro WP40 Gardener, Hannah 89, WMP90,	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372           Girouard, Shirley         WP379, TP312           Gissler, Mika         WP199           Given, Curtis         LB3           Gladstone, David J         LB16           Glaser, Anna         WMP93
Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD SIDENT STATES STA	Frey, Courtney Frid handler, Jon Frid handler, Jon Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedr, Patricia Frisbee, Jefferson C Frischmann, Lindsey Fritz, Michele Froehler, Michael Froehler, Michael T Frid handler, Jon Frey, Courtney Frizh, WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP163, TP25 WP163, WP163, WP163, WP163 WP275 WP275 WP275 Fritz, Michael Froehler, Michael Froehler, Michael T LBP2, LBP3, LB15, LBP17, TMP4, TP36	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436 Garcia-Rivera, Enid J TMP81, TP311 Garcia-Tornell, Alvaro WP40 Gardener, Hannah 89, WMP90, TP2, TP311	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372           Girouard, Shirley         WP379, TP312           Gissler, Mika         WP199           Given, Curtis         LB3           Gladstone, David J         LB16
Fornage, Myriam for the COMPASS TP308 Investigative Team, For The FIRST/SOS Investigators, for the FL-PR CReSD SIDENT STATES STA	Frey, Courtney Frid handler, Jon Frid handler, Jon Fridriksson, Julius Friedman, Neil R Friedman, Nicolette H Friedrich, Sherri H Friedrich, Sherri H Friedrich, Patricia Frisbee, Jefferson C Frischmann, Lindsey Fritz, Michele Froehler, Michael Froehler, Michael T Frogoudaki, Alexandra Frid handler Froebler, Michael Frogoudaki, Alexandra Friedrich, Julius WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP213, TP53 WP163, WP163, TP53 WP163, WP163, WP163, TP53 WP163, WP163, WP163, WP163, TP53 WP163, WP1	Garcés, Moisés WP251 Garcia, Enid J TP2 Garcia, Nelda WP358 Garcia, Nelda M WP308, WP357 Garcia, Rocio WP378 Garcia-Bermejo, Pablo 38 García-Berrocoso, Teresa 42, 67 Garcia Bonilla, Lidia 220 Garcia-Esperon, Carlos 38, WP276 Garcia-Martino, Daniel A TP436 Garcia-Rivera, Enid J TMP81, TP311 Garcia-Tornell, Alvaro WP40 Gardener, Hannah 89, WMP90, TP2, TP311 Garg, Priya TP48	Gillow, Sabreena J         17           Gilmore, Emily         TP338           Gindville, Melissa C         109, TP398           Ginsberg, Mark         121, 126           Gioia, Laura C         TP250           Giovannetti, Tania         WP444           Giralt, Dolors         42, 67           Giralt-Steinhauer, Eva         160, PPS1, TP336           Girard, Romuald         121, 124, 126, WMP108           Giron Espot, Pilar         TP372           Girouard, Shirley         WP379, TP312           Gissler, Mika         WP199           Given, Curtis         LB3           Gladstone, David J         LB16           Glaser, Anna         WMP93
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Iwanaga, Takeshi     TMP36       Iwanami, Jun     WP106, WP289, WP290       Iwuchukwu, Ifeanyi     TP334, TP341       Izumi, Nagata     TP429       Izumo, Tsuyoshi     47, 82, TMP2, TP27	Jeng, Jiann-Shing WMP104, TP314, TP440 Jenkins, Carolyn TP166 Jenkins, Sheryl WP411 Jennings, Bethany TP334, TP341 Jennings, Traci WP333	Jones, Amy         TP358           Jones, Chad H         WMP84           Jones, Cheyenne         WP69           Jones, Erica         131           Jones, Kimberly         WP21, WP380           Jones, KimberlyAJones A         TP251           Jones, Michael P         75           Jones, Michael R         208	TP177, TP196, TP215  Kameneva, Marina V LBP28  Kamio, Yoshinobu 147, 197  Kamitani, Satoru WMP98, WP29, WP309, TP236, TP290, TP429  Kamiyama, Kenji WP201, WP347  Kamouchi, Masahiro TP253
Iwanaga, Takeshi       TMP36         Iwanami, Jun       WP106, WP289, WP290         Iwuchukwu, Ifeanyi       TP334, TP341         Izumi, Nagata       TP429         Izumo, Tsuyoshi       47, 82, TMP2, TP27         Jabbour, Pascal       LB3, WMP34, WP2	Jeng, Jiann-Shing WMP104, TP314, TP440 Jenkins, Carolyn TP166 Jenkins, Sheryl WP411 Jennings, Bethany TP334, TP341 Jennings, Traci WP333 Jennrich, Mary Kay WP304, TP388	Jones, Amy         TP358           Jones, Chad H         WMP84           Jones, Cheyenne         WP69           Jones, Erica         131           Jones, Kimberly         WP21, WP380           Jones, KimberlyAJones A         TP251           Jones, Michael P         75	TP177, TP196, TP215  Kameneva, Marina V LBP28  Kamio, Yoshinobu 147, 197  Kamitani, Satoru WMP98, WP29, WP309, TP236, TP290, TP429  Kamiyama, Kenji WP201, WP347
Iwanaga, Takeshi         TMP36           Iwanami, Jun         WP106, WP289, WP290           Iwuchukwu, Ifeanyi         TP334, TP341           Izumi, Nagata         TP429           Izumo, Tsuyoshi         47, 82, TMP2, TP27           Jabbour, Pascal         LB3, WMP34, WP2           Jabbour, Pascal M         TMP69           Jack, Cliff R         94	Jeng, Jiann-Shing WMP104, TP314, TP440 Jenkins, Carolyn TP166 Jenkins, Sheryl WP411 Jennings, Bethany TP334, TP341 Jennings, Traci WP333 Jennrich, Mary Kay WP304, TP388 Jennum, Poul 13 Jensen, Amy WP379	Jones, Amy         TP358           Jones, Chad H         WMP84           Jones, Cheyenne         WP69           Jones, Erica         131           Jones, Kimberly         WP21, WP380           Jones, KimberlyAJones A         TP251           Jones, Michael P         75           Jones, Michael R         208           Jones, Peggy         WP272	TP177, TP196, TP215 Kameneva, Marina V LBP28 Kamio, Yoshinobu 147, 197 Kamitani, Satoru WMP98, WP29, WP309, TP236, TP290, TP429 Kamiyama, Kenji WP201, WP347 Kamouchi, Masahiro TP253 Kamran, Kainat TP124, TP135
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Schellinger, Peter Scherer, Aaron M Schievink, Wouter Schindler, Joseph Schindler, Kiva M Schiraldi, Michael Schirmer, Clemen Schirmer, Markus Schlackman, Brat Schlaug, Gottfried Schleuse, Stuart Schloss, Evan R Schlüter, Anneke Schluter, Laurie Schmidt, Laura Schmidt, Manuel Schmidt, Reinhold	130, 185 168 T MP28, TMP30 TP338 129, TP10 TP11 TMP28, TMP30 IS LB3 IS D 136, TMP58, WP204, WP205, WP218 IN 100, TP152 WP412 WP300 182 WMP69, TP129, TP186, TP278 WP366 IN 136, TMP58, WP204, WP205	Selvamani, Amutha Selvan, Prad Selvan, Pradeep Seminog, Olena Sen, Chandan K Sen, Souvik TMP1 Sennoga, Charles Senter, Catherine D Seo, Jin-Man Seo, Woo-Keun TI Seong, Raymond S C Sequeira, Denisse Serdynski, Lynn Serena, Joaquin Serena, Joaquin Serena, Joaquin Sergeeva, Elena G Serra, Isabel Serrada, Ines	59 WP178 TMP97 LBP23 WMP47, WP69 07, WP193, TP162, TP299 WP90 TP287 WMP67, P125, TP222, TP411 TP300 TP227 TP370 18, 42, 67 WP251, WP429 TP83 TMP86 TMP39	Shea, Kenneth Sheehan, Orla C Sheely, Heather Sheer, Richard Sheffet, Alice J Sheikh, Muniza Sheikhi, Lila E Sheldon, Yvonne Shelton, Tonia P Shen, Angela Shen, Jiamei Shen, Le Shen, Loren F Shen, Ying Shen, Ying Sheng, Shubin Shenhar-Tsarfaty, S Shenkar, Robert Shenoy, Adele	TP15 WP399 TMP49, TP136 TP193 TP413 TMP34 TP419 WP72 TP400 TP362 LBP27 TP95 121, 126 TP31 57 LB13 WMP86, TMP19 Shani WP443 121, 124, 126 TMP27, TP106	Shoirah, Hazem Shopin, Ludmila Short, Nancy Shrestha, Sulena Shreve, Lauren Shroff, Natasha Shuaib, Ashfaq  Shultz, Jessica Shungu, Dikoma Si, Gabriel Sibbitt, Wilmer L Sico, Jason Sico, Jason J Siddall, Viva Siddiqui, Adnan  Siddiqui, Ahmer Khaw Siddiqui, Fazeel Siddiqui, Fazeel M	TP8
Schellinger, Peter Scherer, Aaron M Schievink, Wouter Schindler, Joseph Schindler, Kiva M Schiraldi, Michael Schirmer, Clemen Schirmer, Markus Schlackman, Brar Schlaug, Gottfried Schleuse, Stuart Schloss, Evan R Schlüter, Anneke Schluter, Laurie Schmidt, Laura Schmidt, Manuel Schmidt, Reinhold Schmidt, Richard	130, 185 168 T MP28, TMP30 TP338 129, TP10 TP11 TMP28, TMP30 S LB3 S D 136, TMP58, WP204, WP205, WP218 I 100, TP152 WP412 WP300 182 WMP69, TP129, TP186, TP278 WP366 D 136, TMP58, WP204, WP205 H WP93	Selvamani, Amutha Selvan, Prad Selvan, Pradeep Seminog, Olena Sen, Chandan K Sen, Souvik TMP1  Sennoga, Charles Senter, Catherine D Seo, Jin-Man Seo, Woo-Keun  Tf Seong, Raymond S C Sequeira, Denisse Serdynski, Lynn Serena, Joaquin Serena, Joaquin Serena, Joaquin Sergeeva, Elena G Serra, Isabel Serrada, Ines Serra Martínez, Maria	59 WP178 TMP97 LBP23 WMP47, WP69 07, WP193, TP162, TP299 WP90 TP287 WMP67 41, 110, WMP67, P125, TP222, TP411 TP300 TP227 TP370 18, 42, 67 WP251, WP429 TP83 TMP86 TMP39 TP336	Shea, Kenneth Sheehan, Orla C Sheely, Heather Sheer, Richard Sheffet, Alice J Sheikh, Muniza Sheikhi, Lila E Sheldon, Yvonne Shelton, Tonia P Shen, Angela Shen, Jiamei Shen, Le Shen, Loren F Shen, Yi Shen, Ying Sheng, Shubin Shenhar-Tsarfaty, S Shenkar, Robert Shenoy, Adele Sherman, Deborah	TP15 WP399 TMP49, TP136 TP193 TP413 TMP34 TP419 WP72 TP400 TP362 LBP27 TP95 121, 126 TP31 57 LB13 WMP86, TMP19 Shani WP443 121, 124, 126 TMP27, TP106 NS3	Shoirah, Hazem Shopin, Ludmila Short, Nancy Shrestha, Sulena Shreve, Lauren Shroff, Natasha Shuaib, Ashfaq  Shultz, Jessica Shungu, Dikoma Si, Gabriel Sibbitt, Wilmer L Sico, Jason Sico, Jason J Siddall, Viva Siddiqui, Adnan  Siddiqui, Ahmer Khaw Siddiqui, Fazeel Siddiqui, Fazeel M Siddiqui, Hinnah	TP8
Schellinger, Peter Scherer, Aaron M Schievink, Wouter Schindler, Joseph Schindler, Kiva M Schiraldi, Michael Schirmer, Clemen Schirmer, Markus Schlackman, Brar Schlaug, Gottfried Schleuse, Stuart Schleuse, Stuart Schleuse, Stuart Schlüter, Anneke Schlüter, Laurie Schmidt, Laura Schmidt, Manuel Schmidt, Reinhold Schmidt, Richard Schmidt, Brian D	130, 185 168 T MP28, TMP30 TP338 129, TP10 TP11 TMP28, TMP30 S LB3 D 136, TMP58, WP204, WP205, WP218 H MP30 TP278 WP366 D 136, TMP58, WP204, WP366 D 136, TMP58, WP204, WP366 D 136, TMP58, WP204, WP366 D 136, TMP58, WP204, WP366 D 136, TMP58, WP204, WP366 D 136, TMP58, WP204, WP205 H WP93 TP150	Selvamani, Amutha Selvan, Prad Selvan, Pradeep Seminog, Olena Sen, Chandan K Sen, Souvik TMP1  Sennoga, Charles Senter, Catherine D Seo, Jin-Man Seo, Woo-Keun  TH Seong, Raymond S C Sequeira, Denisse Serdynski, Lynn Serena, Joaquin Serrada, Ines	59 WP178 TMP97 LBP23 WMP47, WP69 07, WP193, TP162, TP299 WP90 TP287 WMP67 41, 110, WMP67, P125, TP222, TP411 TP300 TP227 TP370 18, 42, 67 WP251, WP429 TP83 TMP86 TMP39 TP336 TP127	Shea, Kenneth Sheehan, Orla C Sheely, Heather Sheer, Richard Sheffet, Alice J Sheikh, Muniza Sheikhi, Lila E Sheldon, Yvonne Shelton, Tonia P Shen, Angela Shen, Jiamei Shen, Le Shen, Loren F Shen, Yi Shen, Ying Sheng, Shubin Shenhar-Tsarfaty, S Shenkar, Robert Shenoy, Adele Sherman, Deborah Sherzai, Ayesha	TP15 WP399 TMP49, TP136 TP193 TP413 TMP34 TP419 WP72 TP400 TP362 LBP27 TP95 121, 126 TP31 57 LB13 WMP86, TMP19 Shani WP443 121, 124, 126 TMP27, TP106 NS3 53	Shoirah, Hazem Shopin, Ludmila Short, Nancy Shrestha, Sulena Shreve, Lauren Shroff, Natasha Shuaib, Ashfaq  Shultz, Jessica Shungu, Dikoma Si, Gabriel Sibbitt, Wilmer L Sico, Jason Sico, Jason J Siddall, Viva Siddiqui, Adnan  Siddiqui, Ahmer Khaw Siddiqui, Fazeel Siddiqui, Fazeel M Siddiqui, Hinnah Siddiqui, Khawja A	TP8
Schellinger, Peter Scherer, Aaron M Schievink, Wouter Schindler, Joseph Schindler, Kiva M Schiraldi, Michael Schirmer, Clemen Schirmer, Markus Schlackman, Brar Schlaug, Gottfried Schleuse, Stuart Schloss, Evan R Schlüter, Anneke Schluter, Laurie Schmidt, Laura Schmidt, Manuel Schmidt, Reinhold Schmidt, Richard	130, 185 168 T MP28, TMP30 TP338 129, TP10 TP11 TMP28, TMP30 S LB3 S D 136, TMP58, WP204, WP205, WP218 I 100, TP152 WP412 WP300 182 WMP69, TP129, TP186, TP278 WP366 D 136, TMP58, WP204, WP205 H WP93	Selvamani, Amutha Selvan, Prad Selvan, Pradeep Seminog, Olena Sen, Chandan K Sen, Souvik TMP1  Sennoga, Charles Senter, Catherine D Seo, Jin-Man Seo, Woo-Keun  Tf Seong, Raymond S C Sequeira, Denisse Serdynski, Lynn Serena, Joaquin Serena, Joaquin Serena, Joaquin Sergeeva, Elena G Serra, Isabel Serrada, Ines Serra Martínez, Maria	59 WP178 TMP97 LBP23 WMP47, WP69 07, WP193, TP162, TP299 WP90 TP287 WMP67 41, 110, WMP67, P125, TP222, TP411 TP300 TP227 TP370 18, 42, 67 WP251, WP429 TP83 TMP86 TMP39 TP336	Shea, Kenneth Sheehan, Orla C Sheely, Heather Sheer, Richard Sheffet, Alice J Sheikh, Muniza Sheikhi, Lila E Sheldon, Yvonne Shelton, Tonia P Shen, Angela Shen, Jiamei Shen, Le Shen, Loren F Shen, Yi Shen, Ying Sheng, Shubin Shenhar-Tsarfaty, S Shenkar, Robert Shenoy, Adele Sherman, Deborah	TP15 WP399 TMP49, TP136 TP193 TP413 TMP34 TP419 WP72 TP400 TP362 LBP27 TP95 121, 126 TP31 57 LB13 WMP86, TMP19 Shani WP443 121, 124, 126 TMP27, TP106 NS3	Shoirah, Hazem Shopin, Ludmila Short, Nancy Shrestha, Sulena Shreve, Lauren Shroff, Natasha Shuaib, Ashfaq  Shultz, Jessica Shungu, Dikoma Si, Gabriel Sibbitt, Wilmer L Sico, Jason Sico, Jason J Siddall, Viva Siddiqui, Adnan  Siddiqui, Ahmer Khaw Siddiqui, Fazeel Siddiqui, Fazeel M Siddiqui, Hinnah	TP8
Schellinger, Peter Scherer, Aaron M Schievink, Wouter Schindler, Joseph Schindler, Kiva M Schiraldi, Michael Schirmer, Clemen Schirmer, Markus Schlackman, Brar Schlaug, Gottfried Schleuse, Stuart Schloss, Evan R Schlüter, Anneke Schluter, Laurie Schmidt, Manuel Schmidt, Reinhold Schmidt, Richard Schmitt, Brian D Schmit, Pamela	TD 130, 185 168 T TMP28, TMP30 T T9338 129, TP10 TP11 TMP28, TMP30 IS LB3 IS D 136, TMP58, WP204, WP205, WP218 IN 100, TP152 WP412 WP300 182 WMP69, TP129, TP186, TP278 WP366 IN 136, TMP58, WP204, WP205 H WP93 TP150 PPS2	Selvamani, Amutha Selvan, Prad Selvan, Pradeep Seminog, Olena Sen, Chandan K Sen, Souvik TMP1 Sennoga, Charles Senter, Catherine D Seo, Jin-Man Seo, Woo-Keun TH Seong, Raymond S C Sequeira, Denisse Serdynski, Lynn Serena, Joaquin Serena, Joaquin Sergeeva, Elena G Serra, Isabel Serrada, Ines Serra Martínez, Maria Serrano, Fabiola	59 WP178 TMP97 LBP23 WMP47, WP69 07, WP193, TP162, TP299 WP90 TP287 WMP67 41, 110, WMP67, P125, TP222, TP411 TP300 TP227 TP370 18, 42, 67 WP251, WP429 TP83 TMP86 TMP39 TP336 TP127 WP162	Shea, Kenneth Sheehan, Orla C Sheely, Heather Sheer, Richard Sheffet, Alice J Sheikh, Muniza Sheikhi, Lila E Sheldon, Yvonne Shelton, Tonia P Shen, Angela Shen, Jiamei Shen, Le Shen, Loren F Shen, Yi Shen, Ying Sheng, Shubin Shenhar-Tsarfaty, S Shenkar, Robert Shenoy, Adele Sherman, Deborah Sherzai, Ayesha Sheth, Kevin	TP15 WP399 TMP49, TP136 TP193 TP413 TP413 TMP34 TP419 WP72 TP400 TP362 LBP27 TP95 121, 126 TP31 57 LB13 WMP86, TMP19 Shani WP443 121, 124, 126 TMP27, TP106 NS3 53 TMP24, TP38	Shoirah, Hazem Shopin, Ludmila Short, Nancy Shrestha, Sulena Shreve, Lauren Shroff, Natasha Shuaib, Ashfaq  Shultz, Jessica Shungu, Dikoma Si, Gabriel Sibbitt, Wilmer L Sico, Jason Sico, Jason J Siddall, Viva Siddiqui, Adnan  Siddiqui, Ahmer Khaw Siddiqui, Fazeel Siddiqui, Fazeel M Siddiqui, Hinnah Siddiqui, Khawja A Sidney, Stephen	TP8
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Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara	TP384 TP216 WP412 IS TP438 WP80 TP141	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN,	TP384 TP216 WP412 IS TP438 WP80 TP141 TP166	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia	TP384 TP216 WP412 as TP438 <b>WP80</b> TP141 TP166 TP45	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN,	TP384 TP216 WP412 IS TP438 WP80 TP141 TP166	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia	TP384 TP216 WP412 as TP438 <b>WP80</b> TP141 TP166 TP45	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila	TP384 TP216 WP412 S TP438 WP80 TP141 TP166 TP45 CTP4 WP201	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b>
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b> <b>WMP75</b>
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b> <b>WMP75</b>
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W	TP384 TP216 WP412 S TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili	CTP24, WP351     WMP84 WP173, WP379, TP153, TP312     WP126     95     TP425 WP100, TP83     104     WP9     TP307 WP119, TP211     CTP18     TP291	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b> <b>WMP75</b> T TMP120 <b>WMP84</b>
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili	CTP24, WP351     WMP84 WP173, WP379, TP153, TP312     WP126     95     TP425 WP100, TP83     104     WP9     TP307 WP119, TP211     CTP18     TP291     TP374	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b> <b>WMP75</b> T TMP120 <b>WMP84</b> WP98, TP376
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP374 NS8	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP98, TP376
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili	CTP24, WP351     WMP84 WP173, WP379, TP153, TP312     WP126     95     TP425 WP100, TP83     104     WP9     TP307 WP119, TP211     CTP18     TP291     TP374	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua	154 TMP104 WP172 TP123 <b>WMP64</b> WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, <b>WP92, TP422</b> <b>WMP75</b> T TMP120 <b>WMP84</b> WP98, TP376
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po	TP384 TP216 WP412 TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili E Steiner, Victoria	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP374 NS8	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua Sun, Hai	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP98, TP376
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po Sivers-Teixeira, Ther Skelly, Margaret	TP384 TP216 WP412 S TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381 127, WMP6, WP3, TP12 resa CTP30 9	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro Sorond, Farzaneh Soteras, Iñigo	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367 lina 160, PPS1 150 WP251	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili E Steiner, Victoria Steinschneider, Arthur F	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP291 TP374 NS8 213, WMP105, TP351	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua Sun, Hai Sun, Jen-Tang Sun, Lisa R	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP84 WP98, TP376 TP401
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po Sivers-Teixeira, Ther Skelly, Margaret Skinner, Robert D	TP384 TP216 WP412 S TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381 127, WMP6, WP3, TP12 resa CTP30 9 TP241	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro Sorond, Farzaneh Soteras, Iñigo Soudant, Marc	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367 dina 160, PPS1 150 WP251 WMP1	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili Steiner, Victoria Steinschneider, Arthur F	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP374 NS8 213, WMP105, TP351 TP413	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua Sun, Hai Sun, Jen-Tang Sun, Lisa R Sun, Phillip Zhe	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP84 WP98, TP376 TP401 TP92
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po Sivers-Teixeira, Ther Skelly, Margaret Skinner, Robert D Skolarus, Lesli E	TP384 TP216 WP412 IS TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381 127, WMP6, WP3, TP12 Tesa CTP30 9 TP241 163, TMP43	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro Sorond, Farzaneh Soteras, Iñigo Soudant, Marc Soulimani, Ghita	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367 dina 160, PPS1 150 WP251 WMP1 127, WMP6, TP12	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Jonald G Stein, Joel Stein, Lana J Stein, Lana J Stein, Lara A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili E Steiner, Victoria Steinschneider, Arthur F  Stemkowski, Stephen Stephens-Gibson, Sherry	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP374 NS8 213, WMP105, TP351 TP413 WP322	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sumners, Colin Sun, Guanghua Sun, Hai Sun, Jen-Tang Sun, Lisa R Sun, Phillip Zhe Sun, Ping	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 T6 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP84 WP98, TP376 WP84 TP92 TP401 TP92 58
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Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W H Sit, Siu Po Sivers-Teixeira, Ther Skelly, Margaret Skinner, Robert D Skolarus, Lesli E Skolnick, Brett Slane, Kevin	TP384 TP216 WP412 IS TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381 127, WMP6, WP3, TP12 resa CTP30 9 TP241 163, TMP43 LBP27 TP114	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee S Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro Sorond, Farzaneh Soteras, Iñigo Soudant, Marc Soulimani, Ghita	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367 Ifina 160, PPS1 150 WP251 WMP1 127, WMP6, TP12 TP60 M LBP15, WP79,	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Donald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nilli Steiner, Nilli E Steiner, Victoria Steinschneider, Arthur F  Stemkowski, Stephen Stephens-Gibson, Sherry Stevens, Robert Stevens, Stacie	CTP24, WP351 WMP84 WP173, WP379, TP153, TP312 WP126 95 TP425 WP100, TP83 104 WP9 TP307 WP119, TP211 CTP18 TP291 TP291 TP374 NS8 213, WMP105, TP351 TP413 WP322 TP140 28	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Benjamir Sum, Guanghua Sun, Hai Sun, Jen-Tang Sun, Lisa R Sun, Phillip Zhe Sun, Ping Sun, Ruohan Sun, Ruohan	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP98, TP461 TP92 58 WP425 TP313
Sinisalo, Juha Sinsley, Debbie Sioutas, Constantino Siqi, Ou Siqueira, Inara SIREN, Sirimarco, Gaia Siriwardena, Niro Sissani, Leila Sissine, Mysha Sisson, April Sit, Janet W Sit, Janet W Sit, Janet W Sit, Siu Po Sivers-Teixeira, Ther Skelly, Margaret Skinner, Robert D Skolarus, Lesli E Skolnick, Brett	TP384 TP216 WP412 S TP438 WP80 TP141 TP166 TP45 CTP4 WP201 TP308 TP332 WP416, TP190 NS7, WP381 127, WMP6, WP3, TP12 resa CTP30 9 TP241 163, TMP43 LBP27 TP114 204	Song, Hee-Young Song, Kyu Sang Song, Sarah Song, Sarah Y Song, Shlee 7, C Song, Shlee 5 Song, Tae-Jin Song, Xianyuan Sonoda, Kazutaka Soong, Yoke Lim Sorabella, Robert Sorel, Mike Sørensen, Leif H Sorenson, Denise Soriano-Tarraga, Caro Sorond, Farzaneh Soteras, Iñigo Soudant, Marc Soulimani, Ghita Soun, Jennifer	TP357 106 WMP115, WP338 TP293 TP30, TMP28, TMP30 36, WMP66, WP37 WP153 TP210 WP61 TP415 WP221 LB11 CTP7, TP17 TP240, TP367 Ifina 160, PPS1 150 WP251 WMP1 127, WMP6, TP12 TP60	Staykov, Dimitre Steckelings, Ulrike M Stefanov, Dimitre  Steffel, Catherine N Steffen, Lyn M Steiger, Hans Jakob Stein, Jonald G Stein, Joel Stein, Lana J Stein, Laura A Steinberg, Gary K Steiner, Deb Steiner, Nili Steiner, Nili Steiner, Victoria Steinschneider, Arthur F  Stemkowski, Stephen Stephens-Gibson, Sherry Stevens, Robert	CTP24, WP351     WMP84 WP173, WP379, TP153, TP312 WP126     95     TP425 WP100, TP83     104     WP9     TP307 WP119, TP211     CTP18     TP291     TP374     NS8 213, WMP105,     TP351     TP413     WP322     TP140     28     WP412	Suemoto, Claudia K Sugar, Dana Sugiu, Kenji Sugiyama, Yukio Sugrue, Gavin Suhan, Laura Sui, Meng Sulaiman, Olawale Sulaiti, Ghanim A Sultan-Qurraie, Ali Sumbria, Rachita Summers, Colin Sun, Guanghua Sun, Hai Sun, Jen-Tang Sun, Lisa R Sun, Phillip Zhe Sun, Ping Sun, Ruohan Sun, Shilei Sun, Shilei	154 TMP104 WP172 TP123 WMP64 WMP21 WMP8, WP129, TP289 76 TP334 TP124 83, WP92, TP422 WMP75 T TMP120 WMP84 WP98, TP376 WP84 WP98, TP376 WP84 TP92 TP401 TP92 58 WP425 TP313
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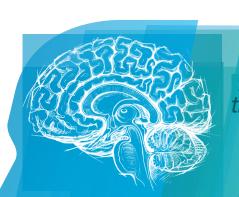
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