The mission of the American Heart Association/American Stroke Association is “building healthier lives, free of cardiovascular diseases and stroke.”

The American Heart Association/American Stroke Association is grateful to the members of the International Stroke Conference 2010 Program Committee for their dedication and leadership provided throughout the year in planning the program.

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Bertilav V Zlokovic, MD, PhD
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John F Zurasky, MD
Maria Cristina Zurru, MD
### International Stroke Conference Program Committee Disclosure Table

<table>
<thead>
<tr>
<th>COMMITTEE MEMBER</th>
<th>RESEARCH GRANT</th>
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<td>Andrei Alexandrov</td>
<td>NINDS</td>
<td>Genentech Inc; Sanofi/BMS; Boehringer-Ingelheim</td>
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<td>Kyra Becker</td>
<td>NINDS; AHA</td>
<td>Sanofi-Aventis; Bristol-Myers Squibb</td>
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<td>Afthmax – Events Review Committee</td>
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<tr>
<td>Cheryl Bushnell</td>
<td>Hazel K Goddess Fund for Research on Stroke in Women; Bigler Foundation/ American Heart Association; National Institutes of Health</td>
<td>Bristol Myers Squibb/ Sanofi Aventis Partnership</td>
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<td>Alexander Dromerick</td>
<td>NIH*; Veterans Admin*; Department of Defense*</td>
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<td>Larry Goldstein</td>
<td>ASA-Bigler Foundation*; NIH; NC Dept of Health</td>
<td>Pfizer; AGA Medical; Johnson &amp; Johnson; Stroke Group; Bayer; Allergen; Abbott; Boehringer-Ingelheim</td>
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<td>American Academy of Neurology – Member, Practice Committee; American Board of Psychiatry and Neurology – Member, Vascular Neurology Examination Committee; Hazel K Goddess Fund for Stroke in Women</td>
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<td>Philip Gorelick</td>
<td>Boehringer-Ingelheim*</td>
<td>Boehringer-Ingelheim*; National Stroke Association</td>
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<td>Boehringer-Ingelheim* – Study Steering Committee Member; Bayer* – Study Steering Committee Member; Takeda – Study Adjudication Committee Member; Abbott – Study Adjudication Committee Member; Roche – Study Adjudication Committee Member; Statistics Collaborative Inc. – Data Safety and Monitoring Board Member; D-Pharm – Study Steering Committee Member; Brainsgate Device Company – Study Steering Committee Member</td>
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<td>Steven Greenberg</td>
<td>National Institutes of Health*</td>
<td>Roche Pharmaceuticals</td>
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<td>Brian Hoh</td>
<td>NIH; Brain Aneurysm Foundation</td>
<td>Codman Neurovascular; Micrus Endovascular; Actelion Pharmaceuticals</td>
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<td>Patricia Harn</td>
<td>NIH; the Bugher Foundation in collaboration with AHA</td>
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<td>Rebecca Ichord</td>
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<td>Berlin Heart – Member of clinical event committee</td>
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<td>David Kallmes</td>
<td>MicroVention, Inc*; Micrus, Inc*; Sequent, Inc*; eV3*</td>
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<td>Italo Linfante</td>
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<td>Louise McCullough</td>
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<td>Lewis Margenstern</td>
<td>NINDS/NIH*</td>
<td>Alaska Native Medical Center; Beth Israel Hospital; Genentech</td>
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<td>Lewis Margenstern</td>
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<td>Gustavo Roman</td>
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<td>Jeff Saver</td>
<td>NIH</td>
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<td>Phillip Scott</td>
<td>NIH/NINDS*; Michigan Dept of Community Health*</td>
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<td>Gregory Zipfel</td>
<td>Synthes, CMF</td>
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</table>

*Significant

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. Committee members who had nothing to disclose are not listed.
**State-of-the-Art Stroke Nursing Symposium Program Committee Disclosure Table**

<table>
<thead>
<tr>
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<tr>
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<td>Genentech</td>
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<td>National Stroke Association</td>
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<tr>
<td>Debbie Summers</td>
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<td>Genentech; Concentric Medical</td>
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The American Stroke Association is grateful for the continued support and generosity of the following companies:

Abbott Vascular

Boehringer Ingelheim

Genentech, A Member of the Roche Group

Pfizer U.S. Pharmaceuticals

Wolters Kluwer Health | Lippincott Williams & Wilkins
Dear Colleague:

Welcome to the International Stroke Conference 2010! This conference highlights our multi-year goal to reduce death and disability from stroke by 25% by the year 2010. The scientific and clinical content presented at this conference provides the basis for the American Heart Association/American Stroke Association’s ongoing professional education programs. The program emphasizes basic, clinical and translational sciences as they evolve toward a more complete understanding of stroke pathophysiology with the overall goal of developing more effective prevention and treatment.

The International Stroke Conference provides unique opportunities to meet with colleagues from around the world with wide-ranging research interests and expertise in stroke prevention, diagnosis, treatment and rehabilitation. Last year’s professional attendance was the second highest in the conference’s history. This year, we anticipate more than 4,000 attendees, including exhibitors displaying new stroke products and services.

The program offers a pre-conference nursing symposium, a post-conference symposium, invited symposia, debates, oral abstract presentations and posters, as well as special lectures on recent advances and state-of-the-art technologies. We will continue to have many innovative, exciting sessions in many different areas of specialty including emergency medicine, nursing, rehabilitation, pediatric stroke, experimental mechanisms and models, diagnosis, community/risk factors, SAH management, carotid revascularization, acute management and vascular cognitive impairment among others.

The Council on Cardiovascular Nursing has planned another extraordinary pre-conference symposium. The State-of-the-Art Stroke Nursing Symposium will be held Feb 23, 2010. Last year’s attendance was the highest in the symposium’s history and we anticipate over 900 attendees from around the nation in 2010. This year, the program will include topics in: female vs. male stroke symptoms; stroke systems of care networking; hypothermia pathophysiology; neurovascular anatomy and pathophysiology; stroke center recertification; bio markers and depression; and avoiding Medicare denials. New this year will be a roundtable session that will include individual and group mentoring on writing an abstract, preparing a poster and publishing.

The International Stroke Conference will feature special symposia on a number of topics including: brain repair after stroke; vascular cognitive impairment and Alzheimer Disease; HIV and cerebrovascular disease; neurohospitalists: bridging gaps in patient care; the science of behavior change for stroke prevention and acute treatment; intravenous vs. intra-arterial therapy for acute ischemic stroke; controversies in the management of cerebral arteriovenous malformations; informed consent; cutting edge and future treatment of unruptured aneurysms; legal issues in cerebrovascular disease; and physiologic imaging of brain perfusion.

This year, not only will you have the opportunity to experience exceptional education and cutting-edge technology, you will also have the chance to see the beautiful city of San Antonio. Explore and enjoy the charm and beauty of this historic city.

Thank you for joining us for this uniquely excellent event. For the most current conference information, please visit strokeconference.org. And don’t forget to mark your calendar for next year, Feb 9 – 11, 2011, in Los Angeles, California.

Sincerely,

Patricia D Hurn, PhD, FAHA
Chair, Stroke Council Program Committee
Dear Conference Attendees:

Welcome to the International Stroke Conference 2010. Once again we come together to learn and share. The scientific and clinical content presented at this conference provides the basis for the American Stroke Association’s ongoing professional education programs. The program emphasizes basic, clinical and translational sciences as they evolve toward a more complete understanding of stroke pathophysiology with the overall goal of developing more effective prevention and treatment.

I would like to draw your attention to the special awards and lectures that are hallmarks of the International Stroke Conference. These include the William M Feinberg Award for Excellence in Clinical Stroke, the Robert G Siekert New Investigator Award in Stroke, the Mordecai Y T Globus New Investigator Award, the Stroke Care in Emergency Medicine Award, the David G Sherman Lecture and the Willis Lecture.

A reminder that seating is limited and tickets are required for some of the additional activities sponsored by the Stroke Council. If you haven’t done so already, I urge you to register for these informative events which provide you with opportunities to network with colleagues from around the world.

- Nursing and Rehabilitation Professions Luncheon  
  Wednesday, Feb 24, 2010, 12:45 - 2:00 pm

- Fellow and Early Career/Stroke Leader Roundtable Luncheon  
  Wednesday, Feb 24, 2010, 12:45 - 2:00 pm

- Fellow and Early Career Luncheon: Academic Life During and After Stroke Fellowship  
  Thursday, Feb 25, 2010, 12:45 - 2:00 pm

And finally, stop by the American Stroke Association HeadQuarters Booth (Booth 125) to pick up valuable information on a wide variety of programs, products and services offered by the Association. Make the most of your experience here at the International Stroke Conference and welcome to San Antonio!

Sincerely,

Stephen Prudhomme  
Vice President, American Stroke Association
International Stroke Conference

February 24 – 26
Henry B Gonzalez Convention Center
San Antonio, Texas

Program Description
This 2½-day conference provides a forum in which to present recent scientific work related to stroke and cerebrovascular disease. More than 900 abstract presentations, lectures and debates will be featured. This year, special symposia and debates will focus on numerous topics including: brain repair after stroke; state-of-the-art surgical and endovascular treatment for intracranial occlusive disease; the economics of stroke (debate); subarachnoid hemorrhage: current protocols and future prospective; new approaches to the decision to anticoagulate; vascular cognitive impairment and Alzheimer Disease; HIV and cerebrovascular disease; comprehensive stroke centers: the future of stroke care; informed consent: have we gone too far or not far enough?; controversies in the management of cerebral arteriovenous malformations: where we are and can ARUBA help? (debate); and emerging new mechanisms for ionic imbalance and cell death in ischemic brain damage. Sessions in clinical categories will center on diagnosis, acute management, in-hospital treatment, rehabilitation and recovery, pediatric stroke, prevention, community/risk factors, nursing, emergency medicine, outcomes and vascular cognitive impairment. Sessions in surgical and interventional categories will focus on aneurysm, carotid revascularization, intracranial atherosclerotic occlusive disease, ischemic stroke intervention, SAH management and vascular malformations.

Program Objectives
The conference provides an educational experience for neurologists, neurosurgeons, neurointerventionalists, neuroradiologists, endovascular specialists, physiatrists, emergency medicine specialists, nurses, pharmacists, allied health professionals and basic researchers in the major fields of cerebrovascular disease and stroke: experimental models and translational research, physiology, pathology, diagnosis, treatment, prevention and rehabilitation. At the conclusion of the conference, learners should be able to:

- Examine recent advances in basic models of stroke and translational research
- Evaluate recent advances in the diagnosis, treatment, prevention and rehabilitation of stroke and cerebrovascular disease
- Analyze new and ongoing clinical research advances through late-breaking science and ongoing clinical trials sessions
- Create a forum for the exchange of new research, treatment and intervention by scientists and investigators working in all areas of stroke and cerebrovascular disease

Learning Objectives
After attending the International Stroke Conference, participants will be able to

- Describe the most recent stroke clinical trials that may impact the specialties of stroke care
- Interpret neurovascular treatments and interventions that are new in stroke care
- Appraise key findings in translational and clinical stroke research
- Compare and contrast stroke in women, children and minorities
- Debate epigenetics and stroke prevention
- Assess stroke systems of care networking through technology
- Summarize novel areas of clinical and experimental stroke recovery and rehabilitation
International Stroke Conference Abstracts
Abstracts from the International Stroke Conference 2010 will be published online only in February 2010 on the Stroke journal’s Web site 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. Complimentary copies of Abstracts on CD-ROM will be available on site at Booth 201 in the Science and Technology Hall (Exhibits.)

CME/CE Disclosure
All faculty participating in CME/CE activities sponsored by the American Heart Association/American Stroke Association will disclose to the audience (1) significant financial relationships with the manufacturer(s) of products from the commercial supporter(s) and/or the manufacturer(s) of products or devices discussed in their presentation and (2) unlabeled/unapproved uses of drugs or devices discussed in their presentation. Such disclosures will be made in writing in the course presentation materials.

Continuing Medical Education Accreditation – Physicians
The American Heart Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Heart Association designates this educational activity for a maximum of 23.00 AMA PRA Category 1 Credit(s)™ Physicians should only claim credit commensurate with the extent of their participation in the activity.

Continuing Education Accreditation – Nurses
American Heart Association is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

The maximum number of hours awarded for this CE activity is 23.00 contact hours.

Continuing Medical Education Accreditation – Physician Assistants
AAPA accepts Category I credit from AOACCME, prescribed credit from AAFP, and AMA PRA Category 1 Credit™ from organizations accredited by ACCME.

Continuing Education Accreditation – Pharmacists
The American Heart Association is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. ACPE Credit: 23.00 Contact Hours or 2.300 CEUs. Universal Program Number: 256-000-10-622-L01-P.

Continuing Medical Education Accreditation – American Association of Neurological Surgeons
The AANS recognizes this activity for a maximum of 23.00 AMA PRA Category 1 CME credits™ towards the Continuing Education Award in Neurosurgery for the AANS. To add credits to your file, please forward a copy of your International Stroke Conference Certificate of Credit to the AANS. Allow four to six weeks for processing. Please mail, fax or e-mail a copy of your certificate of credit to:

AANS
Member Services Department
5550 Meadowbrook Drive
Rolling Meadows, IL 60008
Fax: 847-378-0638
E-mail: cme@aans.org
Successful completion of this CME/CE activity includes the following:
1. Attend the program lecture and/or poster sessions.
2. Complete the activity evaluation survey and claim CME/CE credit online at learn.heart.org.
3. Statements of credit may be printed on your printer following completion of the required information. There is no fee for continuing education credits for this activity.

**Note:** Attendees registered as a family member, an exhibitor or a guest of an exhibitor will not be eligible for CME or CE credit.

**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 2010 abstracts, lectures and presentations are embargoed for release at the date and time of presentation or time of AHA/ASA news event. Information may not be released before the scheduled presentation time. However, all embargoes for abstracts will lift by 3:00 pm CST on the day that they are presented.

**General Information**

**AHA Research Funding Opportunities**
The American Heart Association funds research broadly related to cardiovascular disease and stroke. The Association supports research in clinical and basic sciences, bioengineering, biotechnology and public health. The AHA is a strong supporter of stroke research. In the past 5 years, the AHA has funded over $112 million in research closely related to stroke and another $278 million in broadly stroke-related research. Proposals for Association 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 and search for Research Funding.

**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 125 (in the Science and Technology Hall – Exhibit Hall B)
Hours: Wednesday and Thursday, 12:00 noon – 6:30 pm

**Badges**
Name badges must be worn at all times in the Henry B Gonzalez 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**
Visit learn.heart.org beginning TUESDAY, MARCH 9, 2010 AT 12 NOON CST to complete your conference evaluation and claim your CME/CE credits for the conference and/or nursing symposium. International attendees may obtain an attendance verification form at one of the self-service terminals in Registration, located in Bridge Hall, Street Level.
Conference Bags
A complimentary conference bag will be available to registered attendees of the International Stroke Conference at Registration, located in Bridge Hall, Street Level of the Henry B Gonzalez Convention Center. Supplies are limited.

Dining/Concessions
Concessions, including coffee and other beverages, will be available for purchase throughout the convention center.

Exhibits – Science and Technology Hall
On Wednesday and Thursday, visit the Science and Technology Hall in Exhibit Hall B, where cerebrovascular products and services will be featured.

Exhibit hours:  Wednesday  12:00 noon – 6:30 pm
               Thursday  12:00 noon – 6:30 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 Advance 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. Because of limited seating capacity and the highly technical nature of the program, children are not allowed to attend presentations. For safety reasons, children are not permitted in the Poster Hall.

Exhibitors
A comprehensive listing of exhibitors and their products and services can be found in the Digest and at strokeconference.org.

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.

International Lounge
International attendees – don’t forget to stop by the International Lounge at ISC. Located in West Registration Lobby, Street Level, this is a place to meet and mingle with other international attendees and stroke leaders at the conference. International attendance verification forms may be obtained from one of the self-service terminals in Registration located in Bridge Hall, Street Level.

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 Station is located on Street Level in Room H-7. Please report emergencies to the nearest security guard or the Show Office, Room 210 A-B on the Concourse Level.

Multimedia Products/Services
The following multimedia products/services are available at the Henry B Gonzalez Convention Center.

Abstracts on CD-ROM — This complimentary CD-ROM allows you to search for abstracts by full text, author, title or topic. A limited number of CD-ROMs are available at Booth 201 in the Science and Technology Hall.
Communication Center — Internet access, conference messaging, a people search and the Science and Technology Hall floor plan are available together.

Core Collection 2010 on CD-ROM — All AHA/ASA scientific statements and practice guidelines are included on this complimentary, customizable CD-ROM. A limited number of these CD-ROMs are available at the American Stroke Association’s HeadQuarters Booth 125.

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 and at strokeconference.org. Attendee login is required.

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

PDA and Wireless Device Technology — Look for beaming stations at ASA HeadQuarters Booth 125 to instantly access meeting information in PDA format. Also download conference abstracts and scientific statements and practice guidelines. For those attendees with a wireless Web device, we now have an online version in an easy to read small screen format.

News Media
From Feb 24 – 26, for media interviews, news conferences or inquiries about news releases, contact News Media Headquarters, Room 202 A-B.

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 of Attendees
During the International Stroke Conference, attendees, vendors, guests and others may be photographed and videotaped by AHA/ASA vendors in capturing the event. Some of these photographs or videos may be displayed by the AHA/ASA in future publications or materials connected with the event. If you do not want your image to be displayed by the AHA/ASA, please contact the AHA/ASA in writing (at 7272 Greenville Avenue, Dallas, TX 75231, attention International Stroke Conference Meetings Department) no later than March 27, 2010.

Photography and Audio/Video Recording
Unauthorized recording of the American Heart Association Scientific Sessions, scientific conferences and American Heart Association/American Stroke Association International Stroke Conference is prohibited, whether by video, still or digital photography, audio, or any other recording or reproduction mechanism. This includes recording of presentations and supporting audiovisual materials and of poster presentations and supporting poster materials. The American Heart Association/American Stroke Association reserves the rights to all recordings or reproductions of presentations at AHA/ASA scientific conferences and meetings.

Power To End Stroke: Take 2 To Save 2
Take two minutes to send health messages to at least two people you know who are at risk for stroke. To learn more, visit www.powertoendstroke.org/take2. The American Heart Association/American Stroke Association has created special health messages that easily allow you to send them to people you care about. You can pick a message and send it out in numerous ways — e-mail, text, telephone call or tweet. You can also donate your Facebook status for the day to get these great messages out to those you love. Follow us on Twitter (Power2EndStroke) or become a Facebook Fan (www.facebook.com/YouHaveThePower).
Registration

On-Site Registration Hours – On-site registration will take place in Bridge Hall, Street Level, at the Henry B Gonzalez Convention Center during the days and hours listed below:

<table>
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<tr>
<th>Date</th>
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<tr>
<td>Tuesday, Feb 23</td>
<td>7:00 am–5:00 pm</td>
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<tr>
<td>Wednesday, Feb 24</td>
<td>7:00 am–5:00 pm</td>
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<td>Thursday, Feb 25</td>
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<td>Friday, Feb 26</td>
<td>7:00 am–12 noon</td>
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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 29, 2010, will be processed, less a $50 administrative fee. No refunds will be made after Jan 29. Purchased meal tickets are refundable only until Jan 29. No refunds will be issued on site.

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 Bridge Hall, Street Level, for information and reservations at the many fine restaurants in San Antonio 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.

Seating
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.

Speaker Resource Center
The Speaker Resource Center is located in Room 213 A-B of the Henry B Gonzalez Convention Center. All oral presentations will be in electronic format. Projectors for 35-mm presentations are not available. 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 213 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:

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<td>Tuesday, Feb 23</td>
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<tr>
<td>Friday, Feb 26</td>
<td>6:00 am–1:00 pm</td>
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Stroke OnDemand®
Miss a session? Expand your knowledge with Stroke OnDemand® – the official conference capture of the International Stroke Conference 2010. Professional Members have access to presentation slides in PDF format and audio files in MP3 format at no charge. For more information, visit the Stroke OnDemand® Booth or online at strokeconference.org.

Please note only presentations that have been approved by the speakers will be included. This free product is not available for General Members.

Transportation
Ground Transportation
SA Airport Shuttle offers service between the San Antonio International Airport and conference hotels at a rate of $32 round trip. The one-way fare is $18. Purchase tickets online at www.SAAirportShuttle.com

The taxi rate fare is $20 - $25 for one or two people.

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

- **National Car Rental:** 1-877-222-9058  
  Reference contract ID #XZ09D02
- **Enterprise:** 1-800-261-7331  
  Reference contract ID #XZ09D02

Parking at the Henry B Gonzalez Convention Center
Parking is available 24 hours, 7 days a week at Market Street (between Bowie and I37) at a daily non-event flat rate of $6.00 and event flat rate of $8.00. It is attended daily from 6:30 am – 10:30 am.

Twitter
Use Twitter to tweet your questions/comments during the meeting or just talk about what is happening at the International Stroke Conference 2010. Use hashtag: #ISC10.

Venue
San Antonio, Texas
San Antonio’s River Walk, Spanish colonial architecture, and fountain-laden parks and plazas make it one of America’s most picturesque cities. Today, this seventeenth-century metropolis is the seventh largest city in the nation with contemporary venues and lavish accommodations, all while maintaining an old world heritage exuded through diverse artistry, ethnic cuisine and an intimate and exquisite culture.

Web Resources
- **my.americanheart.org**  
  My AmericanHeart for Professionals is the American Heart Association/American Stroke Association’s powerful Internet resource for healthcare professionals devoted to the fight against cardiovascular disease and stroke. Depending on the level of membership selected, AHA/ASA Professional Members may have access to all 11 AHA scientific journals, biweekly clinical updates, core clinical textbooks, a continually updated drug database and much more.

- **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.

- **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 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.

learn.heart.org
This Web site is where healthcare professional can claim CME/CE credits for ISC and the Nursing Symposium and also complete the conference evaluation.

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

Stroke Council Activities

Wednesday, Feb 24, 2010, 7:30 – 7:42 am, Room 214
Stroke Care in Emergency Medicine Award presented by the Annals of Emergency Medicine and AHA/ASA:
Stroke Mimics in a Prehospital Stroke Treatment Trial
Lucas Restrepo, UCLA, Los Angeles, CA

Wednesday, Feb 24, 2010, 11:10 am, Ballroom A
Update on Stroke Council Scientific and ASA Stroke Public Policy and Advocacy Initiatives
Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA
Pierre B Fayad, MD, FAHA, Omaha, NE

Wednesday, Feb 24, 2010, 11:25 am, Ballroom A
Thomas Willis Lecture:
Little Brains, Big Consequences
Donna M Ferriero, MD, San Francisco, CA

Wednesday, Feb 24, 2010, 12:05 pm, Ballroom A
William M Feinberg Award for Excellence in Clinical Stroke:
How to Reduce the Burden of Stroke: Lessons from the Past Will Help to Guide Activities Needed in the Future
Markku Kaste, MD, PhD, FESC, FAHA, Helsinki, Finland

Wednesday, Feb 24, 2010, 12:45 – 2:00 pm, Room 007
Nursing and Rehabilitation Professions Luncheon

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.

12:45 Introduction and Overview
Michael S Weinstein, MD, FAHA, Virginia Mason Medical Center

1:00 Luncheon Topics and Speaker Introduction
Janet Prvu Bettger, ScD, University of Pennsylvania

1:05 State Stroke Systems of Care
Jeffery Ranous, Advocacy Consultant, ASA

1:20 State and Federal Advocacy and Legislative Updates
Stephanie Mohl, Government Relations Manager, ASA
Tamilyn Bakas, DNS, FAAN, RN, FAHA, Indiana University School of Nursing

1:35 Stroke Nursing and Rehabilitation Science Update
Debbie Summers, RN, MSN, FAHA, ARNP, St. Lukes Medical Center, Kansas City
ASA Updates and News
Anne Leonard, MPH, RN, FAHA, Science and Medicine Advisor, ASA
Stephen Prudhomme, BSc, MSc, Vice President, ASA

Discussion and Networking
Conference attendees must register for this luncheon. Tickets are $20 and seating is limited.

We would like to thank Dr. Michael Weinstein and the Nursing and Rehabilitation Professions Committee for their time and effort in planning this luncheon.

Wednesday, Feb 24, 2010, 12:45 – 2:00 pm, Room 006 C-D
Fellow and Early Career/Stroke Leader Roundtable Luncheon
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.) Tickets are $10; seating is limited.

Table Moderators/Leaders
William G Barsan, MD, FACEP, FAHA, Ann Arbor, MI
Emergency Medicine, Acute Stroke, Clinical Trials
Joseph Broderick, MD, FAHA, Cincinnati, OH
Acute Stroke Trials, Clinical Stroke Research Training
Sander Connolly, MD, New York, NY
Cerebrovascular Surgery, Ischemia Research
Alexander Dromerick, MD, Washington, DC
Rehabilitation
Matthew Fink, MD, New York, NY
Neurocritical Care
Heather Fullerton, MD, San Francisco, CA
Pediatric Stroke, Stroke Epidemiology
Anthony J Furlan, MD, Cleveland, OH
Acute Stroke, Thrombolysis, Heart and Stroke (PFO)
Brian Hoh, MD, Gainesville, FL
Endovascular, Neurosurgery
Karen C Johnston, MD, FAHA, Charlottesville, VA
Clinical Trials, Clinical Research, Career Development
Walter Koroshetz, MD, FAAN, Bethesda, MD
Neurobiology, Acute Stroke, Intensive Care Management of Stroke, Neuroimaging in Stroke
David Liebeskind, MD, FAHA, Los Angeles, CA
Acute Stroke Imaging
Brett C Meyer, MD, San Diego, CA
Acute Stroke, Telemedicine
Arthur Pancioli, MD, FAHA, Cincinnati, OH
Emergency Medicine, Acute Stroke Treatment, Acute Stroke Treatment Trials
Miguel A Perez-Pinzon, PhD, Miami, FL
Basic Science Research in Stroke
Adnan I Qureshi, MD, Minneapolis, MN
Interventional Neurology
Phillip Scott, MD, FAHA, Ann Arbor, MI
Emergency Medicine
Bradford B Worrall, MD, MSc, FAHA, Charlottesville, VA
Stroke, Genetics, Translational Research
Greg Zipfel, MD, St. Louis, MO
Cerebrovascular Neurosurgery
Wednesday, Feb 24, 2010, 3:12 – 3:24 pm, Grand Ballroom C2
Huichun Xu, Sacramento, CA

Wednesday, Feb 24, 2010, 4:00 – 4:12 pm, Grand Ballroom C1
Robert G Siekert New Investigator Award in Stroke: Prediction of In-Hospital Stroke Mortality Using Data From the Get With The Guidelines-Stroke Registry
Eric E Smith, Calgary, AB, Canada

Thursday, Feb 25, 2010, 12:45 - 2:00 pm, Room 006 C-D
Fellow and Early Career Luncheon: Academic Life During and After Stroke Fellowship
Moderator: Joseph Broderick, MD, FAHA, Cincinnati, OH
12:55 Finding and Working with a Mentor
Joseph Broderick, MD, FAHA, Cincinnati, OH
1:08 NIH K Awards – Why, How and When?
Karen C Johnston, MD, FAHA, Charlottesville, VA
1:21 Fellow Stories from the Trenches as Related by a Mentor
James C Grotta, MD, FAHA, Houston, TX
1:35 Discussion
This short seminar will provide early career professionals with some practical advice, tools and strategies that can be useful throughout their careers. 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.) Tickets are $10; seating is limited.

We would like to thank Dr. Joseph Broderick for his time and effort in planning these Early Career Luncheons.

Friday, Feb 26, 2010, 11:30 am, Ballroom A
David G Sherman Lecture: The TIA Saga
J Donald Easton, MD, FAHA, Providence, RI

Award Information

The Stroke Council of the American Heart Association/American Stroke Association is pleased to offer several awards for investigators in stroke-related research. Selected awardees will present and be acknowledged at the International Stroke Conference.

William M Feinberg Award for Excellence in Clinical Stroke
The Stroke Council of the American Heart Association/American Stroke Association accepted nominations for the 2010 William M Feinberg Award for Excellence in Clinical Stroke. This award recognizes contributions to the investigation and management of stroke. The 2010 awardee was announced in the fall and will speak during a Plenary Session at the International Stroke Conference.

Robert G Siekert New Investigator Award in Stroke
In recognition of Dr. Robert G Siekert, founding chairman of the American Heart Association 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.

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.

**Stroke Care in Emergency Medicine Award**

The American Heart Association/American Stroke Association, in partnership with the *Annals of Emergency Medicine*, 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. The Stroke Care in Emergency Medicine Award is presented by the *Annals of Emergency Medicine* and AHA/ASA.

**New This Year – The David G Sherman Lecture**

This award was established in honor of Dr David G Sherman, MD, a prominent stroke physician and an internationally recognized leader and researcher in stroke prevention and treatment. This award supports the history and continuity between the first generation of stroke neuroscientists who attended the early years of the International Joint Conference on Stroke and Cerebral Circulation and the future of the ever increasing new generation of stroke neurologists who attend the International Stroke Conference. This is the inaugural year for this award.

**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 Willis Lecture award is the most prestigious presented in conjunction with the annual International Stroke Conference. The recipient is a senior investigator who has made outstanding contributions to the stroke field over a sustained period during his or her career.

**Posters**

**NEW THIS YEAR! Moderated Poster Sessions**

During the ISC 2010 poster sessions, there will be professor-led tours 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 3 minutes to present the highlights of his or her work, followed by 2 minutes for a Q&A from attendees. There are 11–12 different poster tours to select from during each Poster Session.

To be a part of a poster tour, please turn to the Poster Abstracts section of the Final Program and decided which section/category of posters you would like to attend during each of the four poster sessions. Five—ten minutes prior to the poster session start time, simply go to the correspondingly numbered “Section” sign for that section of posters in the Poster Hall. A map of the Poster Hall is also available at the front of the Poster Abstracts Section.

Posters will be available for viewing in the Poster Hall (Exhibit Hall A) from 9:00 am – 6:30 pm on Wednesday, Feb 24 and Thursday, Feb 25. Professor-led poster tour sessions will take place at the following times:

- **Wednesday, Feb 24**: 12:45 pm – 1:45 pm
- **Wednesday, Feb 24**: 5:30 pm – 6:30 pm
- **Thursday, Feb 25**: 12:45 pm – 1:45 pm
- **Thursday, Feb 25**: 5:30 pm – 6:30 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, children are not permitted in the Poster Hall.
CALL FOR SCIENCE

Submit Session Ideas
Suggested Session Submitter Opens: Monday, Feb 22, 2010
Suggested Session Submitter Closes: Monday, March 22, 2010

Submit Abstracts
Submission Opens: Tuesday, May 25, 2010
Submission Closes: Tuesday, July 20, 2010

Submit Late-Breaking Science and Ongoing Clinical Trials Abstracts
Submission Opens: Tuesday, Oct 5, 2010
Submission Closes: Tuesday, Oct 26, 2010

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

STROKE – A Global Action Plan

Stroke Journal Pre-conference Symposium: Committing to A Stroke Global Action Plan – As Stroke Turns 40

This 1 ½ day pre-conference symposium is planned and executed by the Stroke journal in celebration of the Stroke journal’s 40th anniversary. Participants in this synergium* will respond to white papers on themes central to stroke. Via discussion groups, they will then consider and rank new ways of accelerating progress in stroke treatment, rehabilitation, and prevention by innovations, partnerships, and synergies which result in committing the major stroke organizations to a global, prioritized, and unbiased action plan.

*Synergium: A forum for working synergistically together.

Please note that there is a separate $250 registration fee to attend and participate in this pre-conference symposium. The fee includes all meals during the symposium.

Venue: Grand Hyatt Hotel

Monday, Feb 22
4:30 pm – 9:00 pm

Reception and Dinner

Welcome and Introduction to the Synergium

What Lessons Have We Learned in the Past 40 Years?
Henry JM Barnett, Editor Emeritus of the Journal Stroke
Mark Dyken, Editor Emeritus of the Journal Stroke

A Cardiologist Looks at Stroke
Valentin Fuster

Opportunities in the Fight Against Stroke in a Changing World
Yulan Wang

Tuesday, Feb 23
7:00 am – 5:30 pm

Continental Breakfast Provided
Background and Overview of the Day's Program
Vladimir Hachinski

Meetings of the Individual Discussion Groups: Themes for the Global Agenda

1. Basic Science, Drug Development and Technology: Opportunities and Imperatives for Translational Research
   Geoffrey Donnan, Coordinator
2. Acute Stroke Management: Applying and Expanding What We Know
   Werner Hacke, Coordinator
3. Stroke Prevention: Broadening Our Approach and Intensifying Our Efforts
   Philip Gorelick, Coordinator
   Steven Cramer, Coordinator
   Markku Kaste, Coordinator
6. Opportunities for Partnerships: Patients, Organizations, Communities, Government, Industry and Academia
   Marc Fisher, Coordinator
7. Educating and Energizing: Professionals, Patients, the Public and Policy Makers
   Michael Brainin, Coordinator

10:20 am – 11:00 am
Short Break
Discussion Groups Continue Their Deliberations

12:00 pm – 1:00 pm
Lunch Provided (Discussion Group Chairs prepare their presentations)
Presentations by Each Group to the General Assembly

3:00 pm – 3:20 pm
Short Break
Discussion and Final Recommendations
Summing Up
Vladimir Hachinski

Closing Remarks
Ralph Sacco, President Elect, American Heart Association

SUPPORT AND FUNDING
Financial support for the symposium is provided by:
- American Heart Association/American Stroke Association
- World Federation of Neurology
- World Stroke Organization
- European Stroke Organization
- European Stroke Conference
- Canadian Stroke Network
- Heart & Stroke Foundation Centre for Stroke Recovery
- Lippincott Williams & Wilkins

The views and conclusions of the Synergium will be that of the participants and not necessarily those of the supporting organizations.

For changes to the program made since the Final Program was printed, please check the Stroke Journal Turns 40 page on the ISC Web site at strokeconference.org.
State-of-the-Art Stroke Nursing Symposium 2010

Tuesday, Feb 23, 2010
Henry B Gonzalez Convention Center
San Antonio, TX

The American Heart Association/American Stroke Association is grateful to the members of the 2010 State-of-the-Art Stroke Nursing Symposium Program Committee for their dedication and leadership provided throughout the year planning the program.

Program Committee
Rosemarie King, RN, PhD, FAHA, Co-Chair
Debbie R Summers, RN, MSN, FAHA, ARNP, CNRN, CCRN, Co-Chair
Tamlyn Bakas, DNS, RN, FAHA, FAAN
Terrie Black, MBA, BSN, RN, BC, CRRN
Jennifer Cohn, MS, BSN, MSN, RN, CCRN
Lisa Davis, MSN, RN, CCRC
Wende Fedder, RN, BSN, MBA, FAHA
Sharon Ostwald, PhD, RN, FGSA
Sue Wehner, PhD, RN, MSN, NP (ISC Program Committee Liaison)

Abstract Graders
Tamlyn Bakas, RN, FAHA, DNS, FAAN
Terrie Black, MBA, BSN, RN, BC, CRRN
Smi Choi-Kwon, PhD
Patricia Clark, PhD, RN, FAHA
Jennifer Cohn, RN, MSN, CCRN, MS, BSN
Virginia S Daggett, PhD (c), RN
Lisa Davis MSN, RN, CCRC
Wende N Fedder, RN, BSN, MBA, FAHA
Debbie Ferguson, MSN, RN, CCRN, CNRN
Joan Grant, RN
Millie Hepburn, APRN-BC, MSN
Janice L Hinkle, RN, PhD, FAHA
Margaret Kelly-Hayes, EdD, RN, FAAN
Rosemarie King, RN, PhD, FAHA
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Barbara Mancini, BSN, MBA, CNRN, NEA-BC
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Pamela H Mitchell, RN
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Linda L Pierce, PhD, RN, CNS, CRRN, FAHA
Sue Pugh RN, MSN, CCRN, CNRN
Karen L Saban, PhD, APRN, CRNP
Arlene A Schmid, PhD, OTR
Kathy Stevens, PhD, RN, CRRN
Debbie R Summers, MSN, RN, CCRN, CCRN, FAHA, ARNP

Sponsored by the American Heart Association’s Stroke Nursing Committee of the Council on Cardiovascular Nursing and cosponsored by the Preventive Cardiovascular Nurses Association.

Symposium Description
The State-of-the-Art Stroke Nursing Symposium is a forum designed to provide current information for nursing 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. A plenary program and break-out sessions are planned to meet educational needs for nurses and healthcare professionals at various levels of skill.

Learning Objectives
1. Compare and contrast the difference in stroke symptoms between women and men
2. Explain the stroke systems of care networking: metro vs. rural; telemedicine vs. telephone
3. Describe hypothermia including its pathophysiology
4. Utilize advanced stroke concepts to:
   a. Translate clinical research into clinical practice
   b. Assess clinical trials
   c. Analyze case studies in research-based endovascular treatment of acute ischemic stroke and nursing implications
5. Summarize the essentials of standard clinical practice and stroke center development including:
   a. Neurovascular anatomy and pathophysiology for nursing practice
   b. Primary and secondary stroke prevention: teaching concepts
   c. Stroke center recertification
6. Analyze rehabilitation and recovery components including:
   a. Bio markers and depression
   b. Avoiding medicare denials
   c. Evidence of the value of today's virtual presence for caregivers
7. Create an individualized professional development plan to include:
   a. Writing an abstract
   b. Preparing a poster
   c. Publishing an article

Continuing Education Accreditation – Nurses
American Heart Association is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. The maximum number of hours awarded for this CE activity is 6.75 contact hours.

TUESDAY, FEBRUARY 23

8:30 am – 12:05 pm
Plenary Session
Ballroom B
Moderators: Rosemarie King, RN, PhD, FAHA, Chicago, IL
             Debbie R Summers, MSN, RN, CNRN, CCRN, FAHA, Kansas City, MO

8:30 Opening Remarks
Sandra Dunbar, RN, FAHA, FAAN, Atlanta, GA

8:35 Program Announcements
Tamilyn Bakas, RN, DNS, FAAN, FAHA, Indianapolis, IN

8:40 Stroke Article of the Year Award
Debbie R Summers, RN, MSN, FAHA, ARNP, CNRN, CCRN, Kansas City, MO

8:50 Stroke Symptoms: Comparing Women With Men
Lynda Lisabeth, PhD, FAHA, Ann Arbor, MI

9:30 Stroke Systems of Care: Networking City Mouse and Country Mouse
Phillip Scott, MD, FAHA, Ann Arbor, MI

10:10 Session Discussion

10:20 am – 10:40 am
Short Break
10:40 Hypothermia Pathophysiology  
Nicole R Gonzales, MD, Houston, TX

11:20 Hypothermia: A Nursing Perspective  
Karen Rapp, RN, La Jolla, CA

11:50 A Short Rap  
Craig Barton, RN, Birmingham, AL

12:05 pm – 1:30 pm
Lunch

1:30 pm – 5:30 pm
Concurrent A – Grand Ballroom C1
Advanced Stroke Concepts: Topics in Clinical Research and Practice
Moderator: Susan E Wehner, PhD, RN, MSN, NP, Lansing, MI

1:30 Translating Clinical Research into Monday Morning Clinical Practice  
Nicol Korner-Bitensky, OTR, PhD, DDO, Quebec, Canada

2:20 Clinical Trials Update  
Lisa Davis, MSN, RN, CCRC, Bethesda, MD

3:00 Patient and Family Perceptions of the Key Indicators for Measurement of Stroke Center Quality: Qualitative Support for an Acute Stroke-specific Instrument  
Anne W Alexandrov, UAB Comprehensive Stroke Ctr and Sch of Nursing, Birmingham, AL; April Sisson, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL; Loretta Lee, UAB Sch of Nursing, Birmingham, AL; Damon Patterson, Andrei V Alexandrov, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL

3:15 pm – 3:45 pm
Break

3:45 Anemia Predicts In-hospital Mortality Among Patients With Mild Stroke Severity  
Jason J Sico, Yale New Haven Hosp, New Haven, CT; Dawn M. Bravata, Richard L Roudebush VA Medical Ctr, Indianapolis, IN

4:00 Nurses Play Integral Role in Telestroke Consultations in a Rural State  
Terri L Imus, Tammy Northcutt, Julie Hall-Barrow, Univ of Arkansas, Little Rock, AR

4:15 Case Studies in Research-Based Endovascular Treatment of Acute Ischemic Stroke and Nursing Implications  
Jennifer Cohn, RN, MSN, CCRN, Indianapolis, IN

5:00 Session Discussion

5:30 Adjourn

1:30 pm – 5:30 pm
Concurrent B – Grand Ballroom C2
Essentials of Standard Clinical Practice and Stroke Center Development
Moderator: Debbie R Summers, MSN, RN, CNRN, CCRN, FAHA, Kansas City, MO

1:30 Cerebrovascular Anatomy – The “Where & What” of Stroke  
Linda R Littlejohns, RN, MSN, CCRN, CNRN, San Juan Capistrano, CA
2:15 “Slim” Stroke Scales for Nursing Assessment of Acute Stroke Patients: Ease of Use, or Loss of Valuable Assessment Data? Brandon R Nye, Christina E Hyde, Georgios Tsivgoulis, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL; Ellen B Buckner, Univ of Alabama Sch of Nursing, Birmingham, AL; Andrei V Alexandrov, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL; Anne W Alexandrov, UAB Comprehensive Stroke Ctr and Sch of Nursing, Birmingham, AL

2:30 Primary and Secondary Stroke Prevention: Teaching Concepts Bernadette Boden-Albala, MPH, DrPH, New York, NY

3:00 The Positive Impact of the Stroke Nurse Navigator Program on Stroke Patient Outcomes in a Community Hospital Wende Fedder, Tonya Deen, Mona Olges, Theresa Terna, Alexian Brothers Hosp Network, Arlington Heights, IL

3:15 pm – 3:45 pm Break

3:45 Development of a Multi-county Emergency Medical Service Stroke Alert System and the Implications on Delivery of Care Justine Abram, Shands at the Univ of Florida, Gainesville, FL

4:00 Implementation of Neuroscience Nurse Led Stroke Team Can Improve Patient Access to Acute Stroke Treatment Susan Tocco, Mark Sapienza, Orlando Regional Medical Ctr, Orlando, FL

4:15 Stroke Center Recertification Lori M Massaro, MSN, CRNP, Pittsburgh, PA

5:00 Session Discussion

5:30 Adjourn

1:30 pm – 5:30 pm Concurrent C – Grand Ballroom C3 Rehabilitation and Recovery: An Ongoing Process Moderator: Rosemarie King, RN, PhD, FAHA, Chicago, IL

1:30 Bio Markers and Depression Pamela H Mitchell, RN, Seattle, WA

2:15 Predictors of Social Role Functioning After Stroke Arlene A. Schmid, Richard Roudebush VAMC/Indiana Univ, Dept of Occupational Therapy, Indianapolis, IN; Wanzhu Tu, Indiana Univ, Indianapolis, IN; Teresa Damush, Richard Roudebush VAMC/Indiana Univ, Indianapolis, IN; Thomas F. Fisher, Indiana Univ, Dept of Occupational Therapy, Indianapolis, IN; Linda S. Williams, Richard Roudebush VAMC/Indiana Univ, Indianapolis, IN

2:30 Avoiding Medicare Denials: Documenting Evidence of Nursing Care Terrie Black, MBA, BSN, RN, BC, CRRN, Williamsville, NY

3:00 Six-week Rehabilitation Following Transient Ischemic Attack Improves Cardiac and Physical Function Marieke VanPuyembroeck, Indiana Univ, Bloomington, IN; Arlene Schmid, Dept of Veterans Affairs, Indianapolis, IN; Susie Carter, Wanda Koester, Bloomington Hosp, Bloomington, IN
3:15 pm – 3:45 pm
Break

3:45 Improving Risk Factor Modification in Secondary Stroke Prevention
Don B Smith, Michelle Menard, Cristina Taormina, CO
Neurological Inst, Denver, CO

4:00 Patterns of Needs During a Stroke Caregiver Intervention Program
Tamilyn Bakas, Joan K. Austin, Janice M. Buelow, Barbara Habermann, Indiana Univ Sch of Nursing, Indianapolis, IN;
Yong Li, Indiana Univ Sch of Public and Environmental Affairs, Indianapolis, IN; Susan M. McLennon, Michael T. Weaver, Linda S. Williams, Indiana Univ Sch of Nursing, Indianapolis, IN

4:15 Being There for Caregivers: Evidence of the Value of Today’s Virtual Presence
Linda L Pierce, PhD, RN, CNS, CRRN, FAHA, Toledo, OH

5:00 Session Discussion
5:30 Adjourn

1:30 pm – 5:30 pm
Concurrent D – Room 214
Professional Development
Please note this session is limited to 45 participants only.
Moderator: Tamilyn Bakas, DNS, RN, FAHA, FAAN,
Indianapolis, IN

1:30 Writing an Abstract
Sandra Dunbar, RN, DSN, FAAN, FAHA, Atlanta, GA

1:45 Preparing a Poster
Sharon K Ostwald, PhD, RN, FGSA, Houston, TX

2:00 Publishing
Elaine T Miller, DNS, RN, CRRN, FAHA, FAAN, Cincinnati, OH

2:15 Session Discussion

2:30 Individual and Group Mentoring Roundtables
Table Monitors:
Tamilyn Bakas, DNS, RN, FAHA, FAAN, Indianapolis, IN
Patricia Clark, PhD, RN, FAHA, Atlanta, GA
Barbara Lutz, RN, PhD, CRRN, Gainesville, FL
Elaine T Miller, DNS, RN, CRRN, FAHA, FAAN, Cincinnati, OH
Sharon K Ostwald, PhD, RN, FGSA, Houston, TX

3:15 pm – 3:45 pm
Break

3:45 Individual and Group Mentoring Roundtables (cont.)

5:30 Adjourn
A Primer on Stroke Prevention and Treatment
An Overview Based on AHA/ASA Guidelines

Edited by
Larry B. Goldstein, MD, FAAN, FAHA, Professor of Medicine, Duke University Medical Center

The American Heart Association/American Stroke Association is dedicated to translating the best available science to improve the health and outcomes of both patients and the general public. This new book paves the path from guidelines to practice.

The book is divided into two sections, first addressing general issues then focusing on specific topics.

• Each chapter’s major points are highlighted in a table for quick reference
• To provide clinical context, each chapter begins with a patient example that is referred to in the subsequent discussion
• Illustrative cases appear as needed
• AHA/ASA guidelines are referenced whenever applicable, but the authors also review clinical issues not covered by the guidelines
• Thorough references help both generalists and stroke specialists find necessary information

April 2009 • Hardcover • 280 pages • 978-1-4051-8651-3 • regularly $99.95

American Heart Association • American Stroke Association
Learn and Live

WILEY-BLACKWELL

Preview the book at the Wiley-Blackwell booth, #409, and take advantage of the SPECIAL 25% DISCOUNT for AHA/ASA Professional members.
For changes to the program made since the Final Program was printed, please check the Online Program Planner located on the ISC Web site at strokeconference.org.

Presenting authors for the oral abstracts are in bold in the author block.

**WEDNESDAY, FEBRUARY 24**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session I: Concurrent Symposia A</th>
<th>Grand Ballroom C1</th>
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<tbody>
<tr>
<td>7:30</td>
<td>Brain Repair After Stroke</td>
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<td>7:30</td>
<td>Randolph J Nudo, PhD, Kansas City, KS</td>
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<td>7:49</td>
<td>Cellular and Molecular Mechanisms of Promoting Stroke Recovery</td>
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<td>7:49</td>
<td>Michael Chopp, PhD, Detroit, MI</td>
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<td>8:08</td>
<td>Behavioral Experience and Brain Remodeling After Stroke</td>
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<td>8:08</td>
<td>Theresa A Jones, PhD, Austin, TX</td>
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<td>8:27</td>
<td>Human Studies in Post-stroke Brain Repair</td>
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<td>8:27</td>
<td>Steven C Cramer, MD, Orange, CA</td>
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<td>8:45</td>
<td>Discussion</td>
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<th>Time</th>
<th>Session I: Concurrent Symposia B</th>
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<tr>
<td>7:30</td>
<td>Dissections of the Carotid and Vertebral Arteries Revisited</td>
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<td>7:30</td>
<td>Greg Zaharchuk, MD, PhD, Palo Alto, CA</td>
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<td>7:49</td>
<td>Medical Treatment and Prevention of Stroke in Dissection – What Is the Evidence?</td>
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<td>7:49</td>
<td>Dimitrios Georgiadis, MD, Zürich, Switzerland</td>
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<td>8:08</td>
<td>When in Doubt, Randomize: The CADISS Trial</td>
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<td>8:08</td>
<td>Hugh Markus, DM, FRCP, London, United Kingdom</td>
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<td>8:27</td>
<td>Is There a Role for Aggressive Endovascular Treatment of Dissection?</td>
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<td>8:27</td>
<td>Alex Abou-Chebl, MD, Louisville, KY</td>
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<td>Discussion</td>
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<th>Time</th>
<th>Session I: Concurrent Symposia C</th>
<th>Grand Ballroom C2</th>
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<tr>
<td>7:30</td>
<td>Epidemiology and Mechanisms of Stroke In HIV-infected Patients</td>
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<td>7:30</td>
<td>Alejandro Rabinstein, MD, ANP, Rochester, MN</td>
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<td>7:49</td>
<td>Cerebrovascular Function in HIV-infected Patients</td>
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<td>7:49</td>
<td>William J Powers, MD, Chapel Hill, NC</td>
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**Clinical Science**

**Prevention**

**Rehabilitation**

**Diagnosis**

**Treatment/Intervention**
8:08 Association of HAART and Cerebrovascular Disease
Souvik Sen, MS, MD, Chapel Hill, NC

8:27 Implications for Prevention of Stroke in HIV-infected Patients
Mitchell Elkind, MD, MS, FAAN, New York, NY

8:45 Discussion

Session I: Concurrent D
Oral Abstracts: Emergency Medicine
Room 214

Moderators: Jennifer Juhl Majersik, MD, Salt Lake City, UT
Phillip Scott, MD, FAHA, Ann Arbor, MI

7:30 Stroke Mimics in a Prehospital Stroke Treatment Trial
Lucas Restrepo, UCLA, Los Angeles, CA; Nerses Sanossian, USC, Los Angeles, CA; David Liebeskind, Latisha Ali, Sidney Starkman, Jeffrey Saver, UCLA, Los Angeles, CA

7:42 Major Cerebrovascular and Cardiovascular Events After Emergency Department Discharge for Dizziness or Vertigo
Anthony S Kim, Heather J Fullerton, S Claiborne Johnston, UCSF, San Francisco, CA

7:54 Transfer Delay is a Major Factor Limiting the Use of Intra-arterial Treatment in Acute Ischemic Stroke
Shyam Prabhakaran, Andrew Steiner, Patricia Sanford, Edward Ward, Demetrius K Lopes, Michael Chen, Sayona John, Richard E Temes, Yousef Mohammad, Vivien H Lee, Thomas P Bleck, Rush Univ Med Ctr, Chicago, IL

8:06 National Access to Primary Stroke Centers (PSC) and Impact of Using Air Ambulances to Improve Patient Access to PSCs
Karen C Albright, UCSD, San Diego, CA; Charles C Branas, Univ of Pennsylvania, Philadelphia, PA; Brett C Meyer, UCSD, San Diego, CA; Dawn E Matherne-Meyer, UCLA, Los Angeles, CA; Justin A Zivin, UCSF, San Diego, CA; Patrick D Lyden, Cedars-Sinai Medical Ctr, Los Angeles, CA; Brendan G Carr, Univ of Pennsylvania, Philadelphia, PA

8:18 Age-Based Eligibility for and Treatment With rt-PA: A Population-Based Estimate
Dawn Kleindorfer, Univ of Cincinnati Hosp, Cincinnati, OH; Peter Sandercock, Univ of Edinburgh, Edinburgh, United Kingdom; Jane Khoury, Cincinnati Children's Hosp, Cincinnati, OH; Kathleen Alwell, Charles J Moomaw, Opeolu Adeoye, Pooja Khatri, Daniel Woo, Matthew L Flaherty, Simona Ferioli, Brett M Kissela, Univ of Cincinnati Hosp, Cincinnati, OH

8:30 Adherence of Emergency Department Blood Pressure Management in Acute Ischemic Stroke to the AHA Guidelines: A Population-Based Study
Erin M Grise, Ope Adeoye, Christopher Lindsell, Kathleen Alwell, Charles J Moomaw, Brett M Kissela, Dan Woo, Matthew L Flaherty, Simona Ferioli, Pooja Khatri, Joseph P Broderick, Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH

8:42 Inter-rater Reliability of Transient Ischemic Attack Diagnosis in the Emergency Department
Archit Bhatt, Michigan State Univ, East Lansing, MI; Michael Brown, Michigan State Univ, Grand Rapids, MI; Ted Glyn, Michigan State Univ, East Lansing, MI; Rashmi Kothari, Michigan State Univ, Kalamazoo, MI; Mary Hughes, Mitra Campbell, Michigan State Univ, East Lansing, MI; Kyle Bishop, Michigan State Univ, Kalamazoo, MI; Arshad Majid, Mathew Reeves, Michigan State Univ, East Lansing, MI
8:54 **Discussion**

**Session I: Concurrent E Oral Abstracts: Diagnosis**  
Grand Ballroom C3

**Moderators:** Carlos A Molina, MD, Barcelona, Spain  
David S Liebeskind, MD, FAHA, Los Angeles, CA

**7:30**  
**Testing the Mismatch Hypothesis in the Randomized EPITHET Data Set – The Effect of Treatment, Mismatch and Their Interaction on Infarct Growth**  
Soren Christensen, Univ of Melbourne, Melbourne, Australia; Mark W Parsons, John Hunter Hosp, Newcastle, Australia; Deidre A De Silva, Martin Ebingier, Royal Melbourne Hosp, Melbourne, Australia; Ken Butler, Univ of Alberta, Edmonton, Australia; John Fink, Christchurch Sch of Med and Health Sciences, Christchurch, Australia; Patricia Desmond, Univ of Melbourne, Melbourne, Australia; Alan Barber, Univ of Auckland, Auckland, Australia; Chris Bladin, Box Hill Hosp, Melbourne, Australia; Chris Levi, John Hunter Hosp, Newcastle, Australia; Marnie Collins, Univ of Melbourne, Melbourne, Australia; Geoffrey A Donnan, Austin Health, Melbourne, Australia; Stephen Davis, Univ of Melbourne, Royal Melbourne Hosp, Melbourne, Australia; EPITHET investigators

**7:42**  
**Delay and Dispersion of Collateral Perfusion Measured From Arterial Inflow and Venous Outflow Radically Alter MRI Definitions of Penumbra**  
David S Liebeskind, Qing Hao, Jeffrey L Saver, Latisha K Ali, Doojin Kim, Bruce Ovbiagele, Sidney Starkman, Jeffry R Alger, UCLA, Los Angeles, CA; for the UCLA Collateral Investigators

**7:54**  
**Acute Perfusion and Diffusion Abnormalities Predict Early MRI Lesion Recurrence After Minor Stroke and TIA**  
Bilal Hameed, Mike Knash, Monica Saini, Thomas Jeerakathil, Derek Emery, Ken Butler, The Univ of Alberta, Edmonton, AB, Canada

**8:06**  
**Early ADC Normalization Lags Tissue Reperfusion and Does Not Predict Tissue Survival**  
Hongyu An, Univ of North Carolina Chapel, Chapel Hill, NC; Andria L Ford, Katie D Vo, Washington Univ in St Louis, St Louis, MO; Williams J Powers, Univ of North Carolina Chapel, Chapel Hill, NC; Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO; Weili Lin, Univ of North Carolina Chapel, Chapel Hill, NC

**8:18**  
**Clinical-Occlusion Mismatch Strongly Predicts Response to IV tPA and Long-term Outcome After Early and Delayed Recanalization**  
Carlos A Molina, Marta Rubiera, Marc Ribó, Olga Maisterra, Jorge Pagola, David Rodriguez, Jose Alvarez-Sabin, Hosp vall d’Hebron, Barcelona, Spain

**8:30**  
**Oxygen Metabolic Index Predicts Gray Matter Infarction Better Than Apparent Diffusion Coefficient and Mean Transit Time During Hyper-Acute Ischemic Stroke**  
Andria L Ford, Washington Univ, Saint Louis, MO; Hongyu An, Univ of North Carolina, Chapel Hill, NC; Rosana Ponisio, Katie D Vo, Colin P Derdeyn, Washington Univ, Saint Louis, MO; William J Powers, Weili Lin, Univ of North Carolina, Chapel Hill, NC; Jin-Moo Lee, Washington Univ, Saint Louis, MO
8:42  Tissue Salvageability in the Penumbra Decreases Linearly With Increasing Tmax
Archana Purushotham, Maarten G Lansberg, Michael Mlynash, Jean-Marc Olivot, Roland Bammer, Stephanie M Kemp, Gregory W Albers, Stanford Univ, Palo Alto, CA

8:54  Discussion

Session I: Concurrent F Oral Abstracts: Nursing Room 217

Moderators: Donise Mosebach, RN, MS, CEN, Oakbrook Terrace, IL Karin Nystrom, MSN, New Haven, CT

7:30  Stroke Risk Factor Screening in an Inner City Public Market – A Description of the Population – A Better Target for Screening/Education Efforts
Brenda J Johnson, Victor Urrutia, Johns Hopkins Hosp, Baltimore, MD

7:42  Educating the Stroke Patient Thus Educating the Community
Jennifer Rasmusson, Rosemarie Almonte, April Brown, Inova Loudoun Hosp, Leesburg, VA

7:54  Emergency Services Feedback; Closing the Loop Increasing Knowledge
Theresa L Hamm, Mercy Medical Ctr, Des Moines, IA; Brian Helland, Clive Fire Dept, Clive, IA; Dan Keough, Mercy Medical Ctr, Des Moines, IA

8:06  Maximizing Patient Care Through the Use of Interdisciplinary Team Meetings
Kelly Schuler, Branning Beverly, Nancy Boehner, Kristen Kruitke, Kelly Coddington, Victoria Joaquin, Blake Munson, Jean Rose-Derenzy, Bronson Sara, OSF St Joseph Medical Ctr, Bloomington, IL

8:18  An Analysis of the Impact of Stroke Camp on Stroke Survivors and Caregivers
Maureen Mathews, OSF Healthcare, Peoria, IL; Marylee Nunley, Larry Schaer, None, Peoria, IL; Judith Beck, David Wang, Jan Jahnel, Arun Talkad, OSF Healthcare, Peoria, IL

8:30  Closing the Feedback Loop: Ramping up Regional Stroke Care
Angie Waite, Rachel Malloy, Joyce Dorssom, Bridget Brion, Debbie Summers, Marilyn Rymer, Shelleen King, Tony Nunn, Saint Luke’s Brain and Stk Inst, Kansas City, MO

8:42  Endpoint for Clinical Trials Involving Patients With Intracerebral Hemorrhage: Modified Rankin Scale as a Dichotomized or Ordinal Outcome
Jill Novitzke, Zeenat Qureshi Stroke Ctr, Univ of Minnesota, Minneapolis, MN; Yuko Y Palesch, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, SC; Renee’ Martin, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, MN; Adnan I Qureshi, Zeenat Qureshi Stroke Ctr, Univ of Minnesota, Minneapolis, MN; For ATACH Investigators

8:54  Discussion

9:00 am – 9:15 am
Short Break
Session II: Concurrent Symposia A
Cutting Edge and Future Treatment of Unruptured Aneurysms
Grand Ballroom C2

This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of Neurointerventional Surgery.

Moderators: Philip M Meyers, MD, FAHA, New York, NY
Cameron G McDougall, MD, Phoenix, AZ

9:15 Treatments Based on Microsurgical Techniques (Clip Reconstruction, Bypass, Etc)
Michael Lawton, MD, San Francisco, CA

9:34 Advanced Reconstructive Endovascular Approaches
Saruhan Cekirge, MD, Ankara, Turkey

9:53 Flow Diversion Techniques
Pedro Lylyk, MD, Buenos Aires, Argentina

10:12 Biology and Genetics Based Treatments
Murat Gunel, MD, New Haven, CT

10:30 Discussion

Session II: Concurrent Symposia B
Are We Ready Now for a New Definition for Cerebrovascular Disease?
Grand Ballroom C3

Moderators: Lawrence Wong, MD, Shatin, Hong Kong
Louis R Caplan, MD, Boston, MA

9:15 Historical Perspective on Defining the Categories of Cerebrovascular Disease
Louis R Caplan, MD, Boston, MA

9:34 The New Definition of Transient Ischemic Attack
Gregory W Albers, MD, Palo Alto, CA

9:53 The New Definition of Cerebral Infarction
Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA

10:12 The New Definition of Stroke
Scott E Kasner, MD, MSCE, Philadelphia, PA

10:30 Discussion

Session II: Concurrent Symposia C
Whole Genome Association Studies in Stroke: Collaboration and the American Stroke Association-Bugher Foundation Centers for Stroke Prevention Model
Room 217

Moderators: Karen L Furie, MD, MPH, FAHA, Boston, MA
Hugh Markus, DM, FRCP, London, United Kingdom

9:15 Genetic Targets for Small Vessel Disease and Vascular Cognitive Impairment
Larry B Goldstein, MD, FAHA, FAAN, Durham, NC

9:34 Genetic Determinants of White Matter Hyperintensity
Natalia S Rost, MD, MA, Boston, MA

9:53 Genomics: A Diagnostic Tool to Differentiate TIA and Stroke Mimics
S Claiborne Johnston, MD, FAHA, San Francisco, CA

10:12 Stroke Subtypes: Differential Gene Expression
Glen Jickling, MD, FRCPC, Sacramento, CA

10:30 Discussion
Session II: Concurrent D
Oral Abstracts: Acute Management
Ballroom B

Moderators: Gregory W Albers, MD, Palo Alto, CA
Stephen M Davis, MD, FRCPC, Edin, FRACP, FAHA, Victoria, Australia

9:15 Optimal Definition of the Malignant Profile in the DEFUSE-EPITHET Pooled Database
Michael Mlynash, Stanford Univ, Stanford, CA; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Maarten G Lansberg, Jun Lee, Stanford Univ, Stanford, CA; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Matus Straka, Stanford Univ, Stanford, CA; Bruce C Campbell, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Roland Bammer, Jean-Marc Olivot, Stanford Univ, Stanford, CA; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Gregory W Albers, Stanford Univ, Stanford, CA; on behalf of the DEFUSE-EPITHET Investigators

9:27 Mass Thrombolysis: Final Results of the FRALYSE and FRALYSE-MRI Randomized Studies in a 7 Hour Window. A Comparison Between the NINDS Procedure and a Procedure With a Lower Dose and Longer Infusion
Paul Trouillas, Laurent Derex, Serkan Cakmak, Hôpital Neurologique, Claude Bernard Univ, Lyon, France; Marie-Hélène Mahagne, Neurovascular Unit, Hôpital Pasteur, Nice, France; Fréderic Philippeau, Service de Neurologie, Hôpital de Bourg en Bresse, Bourg en Bresse, France; Norbert Nighoghossian, Hôpital Neurologique, Claude Bernard Univ, Lyon, France; Jean-Claude Peyrioux, Statmed, Lyon, France; Xu-Hong Sun, 9th People Hosp, JiaoTong Univ, Shangai, China; Marcel Malbec, Service de Neurologie, Auch, France; Christine Magne, Unité Neurovasculaire, Nantes, France; Jean-Claude Froment, Hôpital Neurologique, Neuroradiology Service, Claude Bernard Univ, Lyon, France; Marc Hermier, Hôpital Neurologique, Neuro-radiology service, Claude Bernard Univ, Lyon, France

9:39 Acute Stroke Patients Treated With IV tPA Based on “Time Last Seen Normal” Have Lower Rates of Hemorrhagic Transformation Than Patients With a Witnessed Symptom Onset
Demetrios Sahlas, McMaster Univ, Hamilton, ON, Canada; Jiming Fang, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Linda Gould, Hamilton Health Sciences, Hamilton, ON, Canada; Linda Kelloway, Ontario Stroke Network, Toronto, ON, Canada; Wieslaw Oczkowski, McMaster Univ, Hamilton, ON, Canada; Frank Silver, Univ of Toronto, Toronto, ON, Canada; Registry of the Canadian Stroke Network Investigators

9:51 Does Presence of Arterial Obstruction Influence the Treatment Effect of Intravenous tPA Over Placebo in the 3-6 Hour Time Window?
Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Leonid Churilov, Natl Stroke Res Inst and The Univ of Melbourne, Melbourne, Australia; Jean Marc Olivot, Stanford Univ, Stanford, CA; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Maarten G Lansberg, Michael Mlynash, Matus Straka, Stanford Univ, Stanford, CA; Bruce C Campbell, Univ of Melbourne, Melbourne, Australia; Roland
10:03 Large and Severe Baseline PWI Volumes Predict Poor Response to Intravenous tPA vs Placebo in the Pooled DEFUSE-EPITHET Database

Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp campus, Singapore, Singapore; Michael Mlynash, Maarten G Lansberg, Jun Lee, Stanford Univ, Stanford, CA; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Matus Straka, Stanford Univ, Stanford, CA; Bruce C Campbell, Univ of Melbourne, Melbourne, Australia; Roland Bammer, Jean Marc Olivot, Stanford Univ, Stanford, CA; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Gregory A Albers, Stanford Univ, Stanford, CA; for the EPITHET and DEFUSE Investigators

10:15 Intra-arterial Treatment of Ischemic Stroke Patients Six to Eight Hours From Symptom Onset: Preliminary Pooled Results of MERCI, Multi MERCI, and Merci Registry

Rebecca M Sugg, Naveed Akhtar, Coleman O Martin, William E Holloway, Neurointerventional and Diagnostics Associates, Kansas City, MO; Marilyn Rymer, Mid-America Brain and Stroke Inst, Kansas City, MO

10:27 Thrombolysis is Associated With Improved Outcome in Elderly Stroke Patients: A Non-Comparison of Outcomes Amongst Patients From the Virtual International Stroke Trials Archive (VISTA)

Nishant Kumar Mishra, Acute Stroke Unit, Western Infirmary and Faculty of Med, Univ Dept of Med and Therapeutics, Gardiner Inst, Univ of Glasgow, Glasgow, United Kingdom; Hans-Christoph Diener, Dept of Neurology, Univ of Essen., Essen, Germany; Patrick Lyden, Cedars-Sinai Medical Ctr, Los Angeles, CA; Kennedy R Lees, Acute Stroke Unit, Western Infirmary and Faculty of Med, Univ Dept of Med and Therapeutics, Gardiner Inst, Univ of Glasgow, Glasgow, United Kingdom; for the VISTA Collaborators

10:39 Discussion

Session II: Concurrent E Oral Abstracts: Basic and Translational Neuroscience of Stroke Recovery Grand Ballroom C1

Moderator: Pam Duncan, PhD, PT, FAHA, Durham, NC

9:15 Transplantation of Human Neural Stem Cells Improves Axonal Plasticity and Attenuates Impairment of Axonal Transport in the Post-Ischemic Microenvironment

Robert H Andres, Ke Zhan, Guohua Sun, Bruce T Schara, Stanford Univ, Stanford, CA; Erin McMillan, Clive N Svendsen, The Waisman Ctr, Univ of Wisconsin-Madison, Madison, WI; Tonya M Bliss, Gary K Steinberg, Stanford Univ, Stanford, CA

9:27 Treatment of Acute Stroke With Thymosin b4

Daniel C Morris, Michael Chopp, Li Zhang, Mei Lu, Zheng G Zhang, Henry Ford Hosp, Detroit, MI
9:39 **Vascular Regenerative Effects of Human Neural Progenitor Cells in the Ischemic Brain – A Role in Functional Recovery**

Nobutaka Horie, Tonya Bliss, Kuniyasu Niizuma, Marta Pereira, Guohua Sun, Hadar Keren-Gill, Kewen Jiang, Angelo Encarnacion, Mehrdad Shamloo, Dept of Neurosurgery, Stanford Univ Sch of Med, Stanford, CA; Stephen Huhn, Stem Cells Inc, Palo Alto, CA; Gary K Steinberg, Dept of Neurosurgery, Stanford Univ Sch of Med, Stanford, CA

9:51 **Brain Areas Important to Deriving Behavioral Gains From Motor Cortex Stimulation After Stroke**

Steven C Cramer, Sarvenaz Nouri, on behalf of the Everest Trial Group, UC Irvine Medical Ctr, Orange, CA

10:03 **Ischemic Stroke May Activate Bone Marrow Mononuclear Cells to Enhance Recovery After Stroke**

Sushil Sharma, Bing Yang, XiaoPei Xi, James Grotta, Sean I Savitz, Univ Texas Medical Sch Houston, Houston, TX

10:15 **Daidzein Promotes Functional Recovery and Enhances Gliat-directed Synaptogenesis in an Experimental Animal Model of Stroke**

Sunghee Cho, Weill Cornell Medical Coll at Burke Medical Res Institute, White Plains, NY; Eunhee Kim, Luie Qin, Sangram Bhosle, Yi Bao, Nazia Alam, Burke Medical Res Institute, White Plains, NY; Glen Prusky, Rajiv Ratan, Weill Cornell Medical Coll at Burke Medical Res Institute, White Plains, NY

10:27 **Plastic Changes in Corticospinal Motor Tracts Are Related to Motor Improvement in Chronic Stroke Patients**

Gottfried Schlaug, Felix Betzler, Lin Zhu, Robert Lindenberg, Beth Israel Deaconess Med Ctr, Boston, MA

10:39 **Discussion**

**Session II: Concurrent F Oral Abstracts: Hemorrhage – Intraparenchymal Room 214**

10:15 **Diagnostic Accuracy of MRI in Spontaneous Intra-cerebral Hemorrhage (DASH): Initial Results**

Christine A Wijman, Ryan W Snider, Chitra Venkatasubramanian, Anna Finley Caulfield, Marion Buckwalter, Irina Eyngorn, Stanford Univ Stroke Ctr, Palo Alto, CA; Nancy Fischbein, Alisa Gean, Stanford Hosp, Dept of Radiology, Palo Alto, CA; Neil Schwartz, Maarten Lansberg, Michael Mlynash, Dany Kemp, Dwi Thai, Rashmi K Narayana, Stanford Univ Stroke Ctr, Palo Alto, CA; Michael Marks, Stanford Hosp, Dept of Interventional Neuroradiology, Palo Alto, CA; Roland Bremer, Mike Moseley, Stanford Hosp, Dept of Radiology, Palo Alto, CA; Gregory W Albers, Stanford Univ Stroke Ctr, Palo Alto, CA

9:39 **Practical Risk Stratification for the Presence of Underlying Vascular Lesions in Patients With Intracerebral Hemorrhage: The Secondary ICH Score**

Josser E Delgado Almandoz, Massachusetts General Hosp / Mallinckrodt Inst of Radiology, Boston / Saint Louis, MA;
A Comparison of Acute Hemorrhagic Stroke Outcomes in Two Populations: The Crete-Boston Study

Ioannis Zaganas, Neurology Dept, Univ Hosp of Crete, Heraklion, Crete, Greece; Amy P Halpin, Alexandra Oleink, Massachusetts General Hosp, Boston, MA; Dimitra Kotzamani, Chryssanthi Chlapoutaki, Dimitris Tsimoulis, Spiros Zafiris, Emmanuel Giannakoudakis, Neurology Dept, Univ Hosp of Crete, Heraklion, Crete, Greece; Athanasios Alegakis, Toxicology Dept, Univ Hosp of Crete, Heraklion, Crete, Greece; Efrosini Papadaki, Radiology Dept, Univ Hosp of Crete, Heraklion, Crete, Greece; Karen L Furie, Massachusetts General Hosp, Boston, MA; Steven M Greenberg, Massachusetts General Hosp, Boston, MA; Andreas Plaitakis, Neurology Dept, Univ Hosp of Crete, Heraklion, Crete, Greece

Blood Brain Barrier Permeability is Diffusely Elevated in Primary Intracerebral Hemorrhage

Lin Xing, Ting Y Lee, The Univ of Western Ontario, London, ON, Canada; Alex S Tamm, Derek Emery, Thomas Jeerakathil, Ken Butcher, The Univ of Alberta, Edmonton, AB, Canada

The Impact of Intraventricular Haemorrhage Severity on Mortality and Outcome in Patients Enrolled in the Surgical Trial in IntraCerebral Haemorrhage (STICH)

Elise Rowan, Newcastle Univ, Newcastle Upon Tyne, United Kingdom; Alastair Webb, John Radcliffe Hosp, Oxford, United Kingdom; Barbara A Gregson, Newcastle Univ, Newcastle Upon Tyne, United Kingdom; Daniel Hanley, Johns Hopkins Univ, Baltimore, MD; A David Mendelow, Newcastle Univ, Newcastle Upon Tyne, United Kingdom

Inhibition of Substance P Reduces Edema and Blood-Brain Barrier Dysfunction Following Rat Collagenase Intracerebral Hemorrhage, but Does Not Improve Functional Outcome

Timothy J Kleinig, Stephen C Helps, Naomi Cook, Peter C Blumbergs, Robert Vink, Univ of Adelaide, Sch of Medical Sciences, Adelaide, Australia

Discussion

10:45 am – 11:00 am

Short Break

11:00 am – 12:30 pm

Session III: Plenary Session I

Ballroom A

Moderators: Patricia D Hurn, PhD, FAHA, Portland, OR
Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI

Conference Opening

Patricia D Hurn, PhD, FAHA, Portland, OR

American Heart Association/American Stroke Association President’s Remarks

Clyde W Yancy, MD, FAHA, Dallas, TX

Update on Stroke Council Scientific and ASA Stroke Public Policy and Advocacy Initiatives

Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA
11:10 Update on Stroke Council Scientific and ASA Stroke Public Policy and Advocacy Initiatives
Pierre B Fayad, MD, FAHA, Omaha, NE

11:25 Introduction of the Thomas Willis Lecture
Patricia D Hurn, PhD, FAHA, Portland, OR

11:30 Thomas Willis Lecture
Little Brains, Big Consequences
Donna M Ferriero, MD, San Francisco, CA

11:50 Siekert and Globus Award Presentations
Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI
Siekert Award Recipient: Eric E Smith, MD, Calgary, AB, Canada (Oral Abstract 71)
Globus Award Recipient: Huichun Xu, MD, PhD, Sacramento, CA (Oral Abstract 49)

12:00 Stroke Care in Emergency Medicine Award Presentation
Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI
Stroke in Emergency Medicine Award Recipient:
Lucas Restrepo, MD, Los Angeles, CA (Oral Abstract 1)

12:05 Introduction of the William M Feinberg Award for Excellence in Clinical Stroke
Patricia D Hurn, PhD, FAHA, Portland, OR

12:10 William M Feinberg Award for Excellence in Clinical Stroke
How to Reduce the Burden of Stroke: Lessons from the Past Will Help to Guide the Activities Needed in the Future
Markku Kaste, MD, PhD, FESC, FAHA, Helsinki, Finland

12:30 pm – 12:45 pm
Short Break

12:45 pm – 2:00 pm
Science and Technology Hall (Exhibits) and Lunch Break
Exhibit Hall B
Professor-Led Poster Tours by Category – Session I:
Moderated Q&A with Poster Presenters
Exhibit Hall A
(Posters P1 – P144; see Poster Abstracts)
FAHAs and other stroke leaders – please be sure to show your support for young investigators and attend the poster sessions.

Nursing and Rehabilitation Professions Luncheon
(Ticket required; seating is limited)
Room 007
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.

12:45 Introduction and Overview
Michael S Weinstein, MD, FAHA, Virginia Mason Medical Center

1:00 Luncheon Topics and Speaker Introduction
Janet Prvu-Bettger, ScD, University of Pennsylvania

1:05 State Stroke Systems of Care
Jeffery Ranous, Advocacy Consultant, ASA
1:20  **State and Federal Advocacy and Legislative Updates**  
Stephanie Mohl, Government Relations Manager, ASA  
Tamilyn Bakas, DNS, RN, FAHA, FAAN, Indiana University  
School of Nursing

1:35  **Stroke Nursing and Rehabilitation Science Update**  
Debbie Summers, RN, MSN, FAHA, ARNP, St. Lukes Medical Center, Kansas City

1:40  **ASA Updates and News**  
Anne Leonard, MPH, RN, Science and Medicine Advisor, ASA  
Stephen Prudhomme, Vice-President, ASA

1:50  **Discussion and Networking**

Conference attendees must register for this luncheon. Tickets are $20 and seating is limited.

**Fellow and Early Career/Stroke Leader Roundtable Luncheon**  
(ticket required; seating is limited)  
Room 006 C-D

**Table Leaders:**  
William G Barsan, MD, FACEP, FAHA, Ann Arbor, MI  
*Emergency Medicine, Acute Stroke and Clinical Trials*

Joseph Broderick, MD, FAHA, Cincinnati, OH  
*Acute Stroke Trials and Clinical Stroke Research Training*

Sander Connolly, MD, New York, NY  
*Cerebrovascular Surgery and Ischemia Research*

Alexander Dromerick, MD, FAHA, Washington, DC  
*Rehabilitation*

Matthew Fink, MD, New York, NY  
*Neurocritical Care*

Heather Fullerton, MD, San Francisco, CA  
*Pediatric Stroke and Stroke Epidemiology*

Anthony J Furlan, MD, Cleveland, OH  
*Acute Stroke, Thrombolysis, Heart and Stroke (PFO)*

Brian Hoh, MD, Gainesville, FL  
*Endovascular and Neurosurgery*

Karen C Johnston, MD, FAHA, Charlottesville, VA  
*Clinical Trials, Clinical Research and Career Development*

Walter Koroshetz, MD, FAAN, Bethesda, MD  
*Neurobiology, Acute Stroke and Intensive Care Management of Stroke*

David Liebeskind, MD, FAHA, Los Angeles, CA  
*Acute Stroke Imaging*

Brett C Meyer, MD, San Diego, CA  
*Acute Stroke and Telemedicine*

Arthur Pancioli, MD, FAHA, Cincinnati, OH  
*Emergency Medicine, Acute Stroke Treatment and Acute Stroke Treatment Trials*

Miguel A Perez-Pinzon, PhD, Miami, FL  
*Basic Science Research in Stroke*

Adnan I Qureshi, MD, Minneapolis, MN  
*Interventional Neurology*

Phillip Scott, MD, FAHA, Ann Arbor, MI  
*Emergency Medicine*

Bradford B Worrall, MD, MSc, FAHA, Charlottesville, VA  
*Stroke, Genetics, Translational Research*

Gregory J Zipfel, Saint Louis, MO  
*Cerebrovascular Neurosurgery*
Session IV: Concurrent Symposia A
Emerging New Mechanisms for Ionic Imbalance and Cell Death in Ischemic Brain Damage
Ballroom B

Moderators: Dandan Sun, MD, PhD, Madison, WI
Michael Tymianski, MD, PhD, FRCSC, Toronto, ON, Canada

2:00 PFD-95 Inhibitors for the Treatment of Acute Ischemic Stroke
Michael Tymianski, MD, PhD, FRCSC, Toronto, ON, Canada

2:19 Acid Sensing Ion Channels: Novel Therapeutic Targets for Ischemic Brain Injury
Zhigang Xiong, MD, PhD, Portland, OR

2:38 NCX1 and NCX3 Knocking Down and Knocking Out Increases Ischemic Brain Damage: Transductional and Transcriptional Implications
Lucio Annunziato, MD, Naples, Italy

2:57 Concerted Role of Na+/H+ Exchanger and Na+/Ca2+ Exchanger in Ischemic Brain Injury
Dandan Sun, MD, PhD, Madison, WI

3:15 Discussion

Session IV: Concurrent Symposia B
Management of Acute Intracerebral Hemorrhage: An Update
Grand Ballroom C1

Moderators: Rafael J Tamargo, MD, Baltimore, MD
Kyra Becker, MD, Seattle, WA

2:00 Introduction

2:03 Medical Treatment of Acute ICH
Craig Anderson, MD, PhD, Sydney, NSW, Australia

2:26 Surgical Treatment of Acute ICH
Joseph Broderick, MD, FAHA, Cincinnati, OH

2:49 Prognosis and Withdrawal of Technological Support
J Claude Hemphill, MD, MS, FAAN, San Francisco, CA

3:02 Recovery and Prevention of Recurrence
Steven M Greenberg, MD, PhD, Boston, MA

3:15 Discussion

Session IV: Concurrent Symposia C
Physiologic Imaging of Brain Perfusion
Room 217

This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of NeuroInterventional Surgery.

Moderators: Rocco A Armonda, MD, Bethesda, MD
Pearse Morris, MD, Winston-Salem, NC

2:00 Cerebrovascular Perfusion Imaging, CTA, CTP, ASL, BOLD, Cerebrovascular Reserve and Reactivity
David Mikulis, MD, Toronto, ON, Canada

2:19 Intraoperative Cerebral Blood Flow, Emboli and Brain Imaging
David A Stump, PhD, Winston Salem, NC

2:38 What Has PET Taught Us About Cerebrovascular Reserve in EC-IC Bypass?
Colin Derdeyn, MD, FAHA, St Louis, MO
2:57  Advanced MRI Techniques for MRI Evaluation of Perfusion
Gil Gonzalez, MD, PhD, Boston, MA

3:15  Discussion

Session IV: Concurrent D
Oral Abstracts: Vascular Cognitive Impairment
Grand Ballroom C2

Moderators: Enrique Leira, MD, FAHA, Iowa City, IA
Jose G Merino, MD, Bethesda, MD

2:00  Education Moderates the Association of Leukoaraiosis
With Cognitive Decline: The Northern Manhattan Study
Jessica Loring, Chuanhui Dong, Univ of Miami, Miami, FL;
Consuelo Mora-McLaughlin, Columbia Univ, New York, NY;
Tatjana Rundek, Univ of Miami, Miami, FL; Mitchell Elkind,
Columbia Univ, New York, NY; Ralph Sacco, Univ of Miami,
Miami, FL; Charles DeCarli, Univ of California - Davis,
Sacramento, CA; Clinton Wright, Univ of Miami, Miami, FL

2:12  Neurological Signs Associated With Cerebral Age-Related
White Matter Changes: The LADIS (Leukoaraiosis And
Disability) Study
Anna Poggesi, Univ of Florence, Florence, Italy; Alida Gouw,
Wiesje van der Flier, Philip Scheltens, VU Medical Ctr,
Amsterdam, Netherlands; Domenico Inzitari, Leonardo
Pantoni, Univ of Florence, Florence, Italy

2:24  Acute Cortical Lesions “Disappear” on MRI but Are
Associated With Cortical Atrophy in Stroke Patients:
Implications for Brain Aging and Vascular Cognitive
Impairment
Xi Sheng, Natl Inst of Neurological Disorders and Stroke,
Washington, DC; Adam Thomas, Natl Inst of Mental Health,
Washington, DC; Steven Warach, Lawrence Latour, Natl Inst
of Neurological Disorders and Stroke, Washington, DC;
NINDS Natural History of Stroke Investigators

2:36  Increased Medial Temporal Lobe Atrophy in Memory-
Dominant Cognitive Impairment After Stroke
Beom Joon Kim, Mi-Young Oh, Seoul Natl Univ Hosp, Seoul,
Republic of Korea; Myung Suk Jang, Moon-Ku Han, Seoul
Natl Univ Bundang Hosp, Seongnam-si, Kyunggi-do, Republic
of Korea; Jisung Lee, Junyoung Lee, Korea Univ Coll of Med,
Seoul, Republic of Korea; Yeonwook Kang, Hallym Univ,
Chuncheon-si, Gangwon-do, Republic of Korea; Byung-Chul Lee,
Hallym Univ Coll of Med, Pyeongchang-si, Republic of Korea;
Byung-Woo Yoon, Seoul Natl Univ Hosp, Seoul, Republic of Korea;
Hee-Joon Bae, Seoul Natl Univ Bundang Hosp, Seongnam-si, Kyunggi-do,
Republic of Korea

2:48  Cognitive Decline at 90 Days in Patients Presenting
With Stroke: Relationships With Baseline Predictors and
Functional Outcome
Sandeepr Ankolekar, Timothy England, Gillian Sare, Michael
Tracy, Nicola Spriegg, Philip M Bath, Univ of Nottingham,
Nottingham, United Kingdom

3:00  Differential Impact of Anterior and Posterior White
Matter Lesion Progression on Vascular Cognitive Decline
Maria J Marquine, Deborah K Attix, Larry B Goldstein,
Gregory P Samsa, Martha E Payne, Duke Univ Medical Ctr,
Durham, NC; Gordon J Chelune, Univ of Utah, Salt Lake City,
UT; David Steffens, Duke Univ Medical Ctr, Durham, NC
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February 23, 2010
Henry B. Gonzalez Convention Center
San Antonio, Texas

Nutrition, Physical Activity and Metabolism 2010 Scientific Sessions
March 2–4, 2010
50th Cardiovascular Disease Epidemiology and Prevention 2010 Scientific Sessions
March 3–5, 2010
Hilton San Francisco Union Square
San Francisco, California

Arteriosclerosis, Thrombosis and Vascular Biology 2010 Scientific Sessions
April 8–10, 2010
Hilton San Francisco Union Square
San Francisco, California

Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke 2010 Scientific Sessions
May 19–21, 2010
Omni Shoreham Hotel
Washington, D.C.

Basic Cardiovascular Sciences 2010 Scientific Sessions – Technological and Conceptual Advances in Cardiovascular Disease
July 19–22, 2010
Rancho Las Palmas
Rancho Mirage, California

Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease 2010
July 25–Aug. 6, 2010
Granlibakken Conference Center and Lodge
Tahoe City, California

High Blood Pressure Research 2010 Scientific Sessions
October 13–16, 2010
Omni Shoreham Hotel
Washington, D.C.

Scientific Sessions
November 13–17, 2010
Resuscitation Science Symposium
November 13–14, 2010
McCormick Place Convention Center
Chicago, Illinois

Plan to attend.
my.americanheart.org
3:12 Distinctive RNA Expression Profiles of White Matter Hyperintensities in the Blood of Human Subjects Using Genome Wide Microarray Analyses

Mordecai Y T Globus New Investigator Award in Stroke Recipient
Huichun Xu, Boryana Stamova, Glen Jickling, Yingfang Tian, Xinhua Zhan, Bradley P Ander, Dazhi Liu, Renée Turner, Frank R Sharp, Charles S DeCarli, Univ of California at Davis, Sacramento, CA

3:24 Discussion

Session IV: Concurrent E Oral Abstracts: Preventive Strategies Grand Ballroom C3

Moderators: Virginia Howard, PhD, FAHA, Birmingham, AL Dawn Bravata, MD, Indianapolis, IN

2:00 Does Aspirin Failure Increase the Chances of Recurrent Stroke and/or Death Among Patients With Ischemic Stroke: A Pooled Analysis of Two Prospective Trials
Steve M Cordina, Gabriela Vazquez, M Fareed Suri, Kamakshi Laksminarayan, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Harold P Adams Jr, Univ Of Iowa stroke center, Iowa city, IA; Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

2:12 Who Takes How Much – Predictors of Drug Adherence in a Large Trial of Stroke Prevention
Ze Zhang, Catherine Viscoli, Walter Kernan, Yale Univ Sch of Med, New Haven, CT; On Behalf of the IRIS Investigators

2:24 PROTEGE-ACV Program: Improving the Quality of Care of Stroke Patients in an Emerging Country
Cristina Zurrú, Claudia Alonzo, Laura Brescacin, Marina Romano, Silvina Brienza, Fabiana Ortega, Maria B Piaggio, Maia Gómez Schneider, Luis Cámara, Gabriela Waisman, Edgardo Cristiano, Hosp Italiano de Buenos Aires, Buenos Aires, Argentina; Bruce Ovbiagele, UCLA Stroke Ctr, Los Angeles, CA

2:36 Social Inequalities and the Decline of Stroke Mortality Rates in the City of Sao Paulo, Brazil
Tiotrefis G Fernandes, Daniel Shibaki, Alessandra C Goulart, Isabela M Bensenor, Paulo A Lotufo, Univ of Sao Paulo, Sao Paulo, Brazil

2:48 Warfarin, Aspirin, and Their Combination in the Prevention of Stroke in Patients With Atrial Fibrillation: A Nested Case-Control Study
Laurent Azoulay, Christel Renoux, McGill Univ, Montreal, QC, Canada; Teresa Simon, Bristol Myers Squibb, Princeton, NJ; Sophie Dell’Aniello, Jewish General Hosp, Montreal, QC, Canada; Samy Suissa, McGill Univ, Montreal, QC, Canada

3:00 Occult vs Known Atrial Fibrillation After Acute Ischemic Stroke and Transient Ischemic Attack: Are there Any Differences?
Patricia M Riccio, Francisco Klein, Agustín Jáuregui, Marisol Ferrúa, Stroke Ctr at the Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina; Rafael Zamora, Hosp de Clínicas, Buenos Aires, Argentina; Luciano A Sposato, Stroke Ctr at the Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina
3:12 Resistin, but Not Adiponectin or Leptin, is Associated With the Risk of Developing Ischemic Among Postmenopausal Women: The Women's Health Initiative Study
Swapnil Rajpathak, Sylvia Wassertheil-Smoller, Tao Wang, Howard Strickler, Robert Kaplan, Thomas Rohan, Gloria Y Ho, Albert Einstein Coll of Med, Bronx, NY

3:24 Discussion

Session IV: Concurrent Oral Abstracts: Pediatric Stroke
Room 214

Moderators: E Steve Roach, MD, FAHA, Columbus, OH
Lori Jordan, MD, PhD, Baltimore, MD

2:00 Risk Factors for Childhood Arterial Ischemic Stroke: Results From the International Pediatric Stroke Study
Mark T Mackay, Dept of Neurology, Royal Children's Hosp, Melbourne VIC, Australia; Max Wiznitzer, Dept of Pediatrics, Case Western Reserve Univ, Cleveland, OH; Susan L Benedict, Univ of Utah, Salt Lake City, UT; Katherine J Lee, Clinical Epidemiology and Biostatistics Unit, Murdoch Childrens Res Inst, Melbourne VIC, Australia; Gabrielle DeVeber, Div of Neurology, Hosp for Sick Children, Toronto, ON, Canada; Vijaya Ganesan, Inst of Child Health, Univ Coll London, London, United Kingdom; The International Pediatric Stroke Study Group

2:12 Congenital Heart Disease Increases Childhood Stroke Risk Six-fold: Results of a Population-based Case-Control Study
Christine K Fox, S Claiborne Johnston, UCSF, San Francisco, CA; Stephen Sidney, Div of Res, Kaiser Permanente Northern California, Oakland, CA; Heather J Fullerton, UCSF, San Francisco, CA

2:24 Late Neurovascular Events in Pediatric Brain Tumor Patients

2:36 Intracranial Dissection Mimicking Transient Cerebral Arteriopathy in Childhood Arterial Ischemic Stroke
Nomazulu Dlamini, Hosp For Sick Children, Toronto, ON, Canada; Mark Mackay, Royal Children's Hosp, Melbourne, Australia; Heather Fullerton, Univ of California San Francisco, San Francisco, CA; Jeremy Freeman, Royal Children's Hosp, Melbourne, Australia; Gabrielle deVeber, Hosp For Sick Children, Toronto, ON, Canada

2:48 Risk of Recurrence in Children With Arterial Ischemic Stroke: A Prospective Consecutive Cohort Study
Rebecca N Ichord, Lauren A Beslow, Sudha Kessler, Daniel J Licht, Sabrina E Smith, Children's Hosp of Philadelphia & Univ Penn Sch Med, Philadelphia, PA

3:00 Elevated Body Mass Index: A Risk Factor for Childhood-Onset Cerebral Sinus Venous Thrombosis
3:12 Temporal Trends in Incidence and 30-day Case Fatality of Pediatric Stroke: A Population-based Study
Laura Lehman, Jane Khoury, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Kathleen Alwell, Charles J Moomaw, Pooja Khatri, Brett M Kissela, Daniel Woo, Matthew L Flaherty, Opeolu Adeoye, Simona Ferioli, Joseph P Broderick, Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH

3:24 Discussion

3:30 pm – 4:00 pm
Science and Technology Hall (Exhibits)/Break
Exhibit Hall B

4:00 pm – 5:30 pm
Session V: Concurrent Symposia A
Is Ischemic Preconditioning Ready for Clinical Trials?
Ballroom B
Moderators: Frank Sharp, BS, MD, Sacramento, CA
BethAnn McLaughlin, PhD, Nashville, TN

4:00 EPO and Hypoxia Preconditioning
Myriam Bernaudin, PhD, F-14074 Caen Cedex, France

4:19 Thrombin Preconditioning
Guohua Xi, MD, Ann Arbor, MI

4:38 Preconditioning in the Clinical Setting
Brian Silver, MD, Detroit, MI

4:57 Therapeutic Implications of Preconditioning-Induced P450 Epoxygenase
Nabil J Alkayed, MD, PhD, FAHA, Portland, OR

5:15 Discussion

Session V: Concurrent Symposia B
Neurohospitalists: Bridging Gaps in Patient Care
Grand Ballroom C3
Moderators: William D Freeman, MD, Jacksonville, FL
Gary Gronseth, MD, Kansas City, KS

4:00 What Is a Neurohospitalist and Do We Need One?
David Likosky, MD, Kirkland, WA

4:19 How To Become a Neurohospitalist
Arshad Majid, MD, Lansing, MI

4:38 Neurohospitalists: Controversies in Stroke Call Coverage and Continuity of Care
Kevin M Barrett, MD, Jacksonville, FL

4:57 Neurohospitalists’ Impact on Quality Metrics and Patient Safety
S Andrew Josephson, MD, San Francisco, CA

5:15 Discussion

Session V: Concurrent Symposia C
Ischemic Stroke Is Treatable: Intra-arterial Recanalization Therapy
Room 217
This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of NeuroInterventional Surgery.
Moderators: Ajay K Wakhloo, MD, Boston, MA
Nobuyuki Sakai, MD, DMSc, Kobe, Japan
4:00 An Evidence-based Assessment of Intra-arterial Therapy in 2010
   Wade Smith, MD, PhD, San Francisco, CA
4:25 Mechanical ThrombectomyMerci vs Penumbra
   Italo Linfante, MD, Miami, FL
4:50 Acute Angioplasty and Stenting and Future Development
5:15 Discussion

Session V: Concurrent D
   Oral Abstracts: Vascular Malformations
   Room 214
   Moderators: Mika Niemela, MD, PhD, Helsinki, Finland
   Joseph L Schindler, MD, New Haven, CT

4:00 Flow Control Techniques for Onyx Embolization of Intracranial and Extracranial Arteriovenous Fistulas
Zhong-Song Shi, Yince Loh, Reza Jahan, Lei Feng, Nestor R Gonzalez, Satoshi Tateshima, Fernando Vinuela, Gary R Duckwiler, Div of Interventional Neuroradiology, UCLA Medical Ctr, Los Angeles, CA

4:12 Inheritance Pattern of Familial Moyamoya Disease in North America: Autosomal Dominant With Incomplete Penetrance
   Achal S Achrol, Monika Varga, Keyan Salari, Raphael Guzman, Teresa Bell-Stephens, Gary K Steinberg, Stanford Univ, Stanford, CA

4:24 Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations: A Meta-Analysis of Current Therapeutic Applications
   Justin F Fraser, Susan C Pannullo, Michelle J Smith, Baxter Allen, Philip E Stieg, Weill Cornell Medical Coll, New York, NY

4:36 Monomeric C-Reactive Protein and Notch-3 May Contribute to Vascular Development and Stability After Stroke
   Sabine Matou-Nasri, Natasha Aziz, John Gaffney, Manchester Metropolitan Univ, Manchester, United Kingdom; Jerzy Kuprinski, Univ of Bellvitge, Barcelona, Spain; Mark Slevin, Manchester Metropolitan Univ, Manchester, United Kingdom

4:48 Regional Deletion of Smad4 plus VEGF Stimulation Leads to Vascular Dysplasia in the Adult Mouse Brain
   Espen Walker, Fanxia Shen, Ryan Halprin, Sarah Connolly, Stephen L Nishimura, William L Young, Hua Su, Univ of California, San Francisco, San Francisco, CA

5:00 Notch Signaling in the Progression and Regression of Brain AVMs
   Rong A Wang, UC San Francisco, San Francisco, CA

5:12 Management of Pediatric Intracranial Arteriovenous Malformations: Experience With Multimodality Therapy
   Tim E Darsaut, Raphael Guzman, Mary L Marcellus, Michael S Edwards, Lu Tian, Huy M Do, Steven D Chang, Stanford Medical Ctr, Stanford, CA; Richard P Levy, Loma Linda Medical Ctr, Loma Linda, CA; John R Adler, Michael P Marks, Gary K Steinberg, Stanford Medical Ctr, Stanford, CA

5:24 Discussion

Session V: Concurrent E
   Oral Abstracts: Outcomes, Quality and Health Services Research
   Grand Ballroom C1
Moderators: Larry B Goldstein, MD, FAHA, FAAN, Durham, NC
Graeme J Hankey, MBBS, MD, FRCP, FRCP, FRACP, Perth, Australia

4:00 Prediction of In-Hospital Stroke Mortality Using Data
From the Get With the Guidelines-Stroke Registry
Robert G Siekert New Investigator Award in Stroke Recipient
Eric E Smith, Nandavar Shobha, Univ of Calgary, Calgary, AB, Canada; David Dai, DaWai Olson, Duke Clinical Res Inst, Durham, NC; Mathew J Reeves, Michigan State Univ, East Lansing, MI; Jeffrey Saver, Univ of California, Los Angeles, CA; Eric D Peterson, Adrian Hernandez, Duke Clinical Res Inst, Durham, NC; Gregg C Fonarow, Univ of California, Los Angeles, CA; Lee H Schwamm, Massachusetts General Hosp, Boston, MA

4:12 Predicting Mortality Among Hospitalized Patients With an Acute Ischemic Stroke: Derivation and Validation of a Clinical Risk Score
Gustavo Saposnik, Moira K Kapral, Univ of Toronto, Toronto, ON, Canada; Jack Tu, Univ of Toronto and ICES, Toronto, ON, Canada; Ying Liu, Inst of Clinical Evaluative Sciences (ICES), Toronto, ON, Canada; Ruth Hall, Peter Austin, Muhammad Mamdani, Univ of Toronto and ICES, Toronto, ON, Canada; on behalf of the Investigators of the Registry of the Canadian Stroke Network (RCSN); for the Stroke Outcome Research Canada (SORCan) working group

4:24 Radiographic Surrogates of Ischemic Stroke Severity for Use in Risk Adjusting In-Hospital Mortality
Jason J Sico, Michael S Phipps, Yale Univ Sch of Med, New Haven, CT; Dawn M Bravata, Indiana Univ Sch of Med, Indianapolis, CT

4:36 Differences in Survival and Use of Life-Sustaining Interventions in Older Black versus White Patients With Acute Ischemic Stroke
Ying Xian, Robert G Holloway, Manish N Shah, Katia Noyes, Bruce Friedman, Univ of Rochester Medical Ctr, Rochester, NY

4:48 Does National Institutes of Health Stroke Scale Score Provide Additional Predictive Value in Good Grade Patients With Intracerebral Hemorrhage? Results From the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study
Adnan Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Yuko Y Paleseh, Renee Martin, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, SC; Jill Novitzke, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Salvador Cruz Flores, St Louis Univ Health Sciences Ctr, St Louis, MO; As’ad Ehtisham, Neuroscience Critical Care Unit, Via Christi Regional Medical Ctr, Univ of Kansas Sch of Med, Wichita, KS; Mustapha A Ezzeddine, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Joshua N Goldstein, Dept of Emergency Med, Brigham & Women’s Hosp, Boston, MA; Jawad F Kirmani, Dept of Neurology and Neurosciences, Univ of Med and Dentistry of New Jersey, Newark, NJ; Halitham M Hussein, M Fareed Suri, Nauman Tariq, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; ATACH Investigators
5:00 Patient- and Hospital-Level Determinants of the Quality of Acute Stroke Care: A Multilevel Modeling Approach
Mathew J Reeves, Julia Gargano, Kimberly Maier, Michigan State Univ, East Lansing, MI; Joseph Broderick, Charles Moomaw, Univ of Cincinnati, Cincinnati, OH; Michael Frankel, Emory Univ, Atlanta, GA; Kenneth LaBresh, MASS Pro, Waltham, MA; Lee Schwamm, Harvard Univ, Boston, MA

5:12 The Quality of In-Hospital Care for Veterans With Ischemic Stroke
Dawn Bravata, Jennifer Myers, VA HSR&D, Richard L Roudebush VA Medical Ctr, Indianapolis, IN; Gregory W Arling, Regenstrief Inst, Indianapolis, IN; Dede Ordin, VA Office of Quality and Performance (OQP), Washington DC, DC; W Bruce Vogel, VA Rehabilitation Outcomes Res Ctr (RORC), Gainesville, FL; Linda S Williams, VA HSR&D, Richard L Roudebush VA Medical Ctr, Indianapolis, IN

5:24 Discussion
Session V: Concurrent F Oral Abstracts: Community/Risk Factors Grand Ballroom C2
Moderators: Robert Adams, MD, MS, FAHA, Charleston, SC Devin L Brown, MD, FAHA, Ann Arbor, MI

4:00 Temporal Trends in Age- and Sex-Specific Cardiac Risk After Stroke in the United States
Amytis Towfighi, Univ of Southern California, Los Angeles, CA; Bruce Ovbiagele, Univ of California, Los Angeles, Los Angeles, CA

4:12 Dietary Fat Intake and Incidence of Ischemic Stroke in Postmenopausal US Women: The Women’s Health Initiative
Sirin Yaemsiri, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Souvik Sen, UNC Sch of Med, Chapel Hill, NC; Lesley Tinker, Fred Hutchinson Cancer Res Ctr, Seattle, WA; Wayne Rosamond, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Sylvia Wassertheil-Smoller, Albert Einstein Coll of Med, Bronx, NY; Ka He, UNC Gillings Sch of Global Public Health, Chapel Hill, NC

4:24 Periodontal Disease Associated With Recurrent Vascular Events in Stroke/TIA Patients
Souvik Sen, Roxanne Poole, Omid Akhavan, Jennifer Simmons, Kevin Moss, James Beck, Steven Offenbacher, Univ of North Carolina, Chapel Hill, NC

Judith H Lichtman, Sara B Jones, Yun Wang, Emi Watanabe, Yale Sch of Med, New Haven, CT; Larry B Goldstein, Duke Univ and Durham VAMC, Durham, NC

4:48 Hospitalizations for InfectionsTrigger Acute Ischemic Stroke: The Cardiovascular Health Study
Mitchell S Elkind, Columbia Univ, New York, NY; Cara L Carty, Ellen S O'Meara, Thomas Lumley, Univ of Washington, Seattle, WA; David Lefkowitz, Wake Forest Univ, Winston Salem, NC; Richard A Kronmal, Washington Univ, Seattle, WA; Will T Longstreth, Univ of Washington, Seattle, WA
5:00 Stroke in the Young is Increasing Over Time: Temporal Trends in the Age of Stroke Incidence in a Large, Bi-Racial Population
Brett M Kissela, Kathleen Alwell, Jane Khoury, Charles J Moomaw, Daniel Woo, Opeolu Adeoye, Matthew L Flaherty, Pooja Khatri, Simona Ferioli, Joseph P Broderick, Dawn Kleindorfer, Univ Cincinnati, Cincinnati, OH

5:12 Traditional Risk Factors Play a Minor Role in the Excess Stroke Incidence of African Americans: The REasons for Geographic And Racial Differences in Stroke (REGARDS) Study
George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Brett M Kissela, Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, OH; Leslie A McClure, Monika M Safford, David Rhodes, Univ of Alabama at Birmingham, Birmingham, AL; Mary Cushman, Univ of Vermont, Burlington, VT; Elsayed Z Soliman, Wake Forest Univ Sch of Med, Winston-Salem, NC; Claudia S Moy, NIH/NINDS, Bethesda, MD; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL

5:24 Discussion

5:30 pm – 6:30 pm
Professor-Led Poster Tours by Category – Session II: Moderated Q&A with Poster Presenters
Exhibit Hall A
(Posters P145 – P288; Ongoing Clinical Trials Posters; see Poster Abstracts)

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

Science and Technology Hall (Exhibits)
Exhibit Hall B
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Presenting authors for the oral abstracts are in bold in the author block.

THURSDAY, FEBRUARY 25

7:30 am – 9:00 am

Session VI: Concurrent Symposia A
Acute Stroke with a Twist: To Treat or Not To Treat?
Grand Ballroom C1

Moderators: Peter D Panagos, MD, St Louis, MO
Edward C Jauch, MD, MS, FAHA, FACEP, Charleston, SC

7:30 Shake, Rattle, Let’s Roll: Seizures in the Acute Stroke Patient
Christopher Lewandowski, MD, Detroit, MI

7:49 Too Sweet to Treat: Extremes of Glucose in the Setting of TPA
Karen Johnston, MD, FAHA, Charlottesville, VA

8:08 Under Pressure: How Aggressive Is too Aggressive When Lowering BP in Acute Stroke
Jamary Oliveira-Filho, MD, PhD, Salvador, Brazil

8:27 Too Good To Be True: Rapid Improvement in Acute Stroke – Will It Last?
Eric E Smith, MD, Calgary, AB, Canada

8:45 Discussion

Session VI: Concurrent Symposia B
Dysphagia After Stroke
Grand Ballroom C2

Moderators: Stephanie K Daniels, PhD, Houston, TX
Marlis Gonzalez-Fernandez, MD, PhD, Baltimore, MD

7:30 Management of Dysphagia After Stroke
Stephanie K Daniels, PhD, Houston, TX

7:49 Neural Basis of Swallowing Disorders After Stroke
Ianessa Humbert, PhD, Baltimore, MD

8:08 Dysphagia Screening After Stroke
Marlis Gonzalez-Fernandez, MD, PhD, Baltimore, MD

8:27 Evaluation of Dysphagia: Stroke Specific Tools
Giselle Mann, MPH, PhD, Gainesville, FL

8:45 Discussion

Session VI: Concurrent Symposia C
State-of-the-Art Surgical and Endovascular Treatment for Intracranial Occlusive Disease
Room 214

This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of NeuroInterventional Surgery.

Moderators: Sepideh Amin Hanjani, MD, FACS, Chicago, IL
Raul G Nogueira, MD, Boston, MA

7:30 Cerebral Hemodynamics in Patients with Carotid Occlusion: An Update from the Carotid Occlusion Surgery Study (COSS)
Gregory J Zipfel, MD, Saint Louis, MO
7:49  Endovascular Revascularization of Intracranial Complete Occlusions  
Felipe Albuquerque, MD, Phoenix, AZ

8:08  Lessons Learned from WASID and Implications for SAMMPRIS  
Marc I Chimowitz, MD, FAHA, Charleston, SC

8:27  Flow Dynamics, Modeling and Stenting in Intracranial Occlusive Disease  
Ajay K Wakhloo, MD, Worcester, MA

8:45  Discussion

Session VI: Concurrent D  
Oral Abstracts: Neurovascular Unit in Ischemia:  
Basic Science  
Grand Ballroom C3

Moderators:  
Marilyn Cipolla, PhD, MS, FAHA, Burlington, VT  
Maria Grazia De Simoni, PhD, Milan, Italy

7:30  In vivo Blood Flow Dynamics After Focal Ischemia in Mice  
Maria Grazia De Simoni, Stefano Fumagalli, Fabrizio Ortolano, Francesca Pischitella, Mario Negri Inst, Milan, Italy; Pasquale Maffia, Hilary Carswell, Paul Garside, Paul Garside, Univ of Strathclyde, Glasgow, United Kingdom

7:42  The Immunomodulatory Sphingosine-1-phosphate Analogue FTY720 (fingolimod) Reduces Lesion Size and improves Functional Outcome in a Mouse Model of Cerebral Ischemia  
Waltraud Pfeilschifter, Bozena Czech, Niloufar Mazaheri Omrani, Marc Strobel, Timo Kahies, Tobias Neumann-Haefelin, Josef Pfeilschifter, Klinikum d J W Goethe Univ, Frankfurt, Germany; Helmuth Steinmetz, Univ Hosp Frankfurt, Frankfurt, Germany

7:54  Increased Plasma but Not Brain Matrix Metalloproteinase Levels Are Associated With Early Blood-Brain Barrier Disruption Following Experimental Stroke  
Ayush Batra, Lawrence L Latour, Christl A Ruetzler, John M Hallenbeck, Maria Spatz, Steven Warach, Erica C Henning, NINDS, Bethesda, MD

8:06  Bone Marrow-derived Cells Contribute to Vascular Endothelial Growth Factor-induced Angiogenesis in the Adult Mouse Brain by Supplying Matrix Metalloproteinase-9  
Qi Hao, Fanxia Shen, Hua Su, William L Young, Univ of California, San Francisco, San Francisco, CA

8:18  Hyperglycemia Increases IPA-induced Hemorrhage and Worsens Stroke by a Mechanism Involving NADPH Oxidase  
Xian N Tang, Seok Joon Won, Sang Won Suh, Midori A Yenari, Raymond A Swanson, UCSF, San Francisco, CA

8:30  Reactive Astrocytes and Stroke Recovery: A Potential Role of IL-1beta and ERK Signaling in the Release of HMGB1  
Kazuhide Hayakawa, Ken Arai, Eng H Lo, MGH – Harvard Medical Sch, Charlestown, MA

8:42  Repetitive Peri-infarct Depolarizations Lead to Infarct Growth in Human Ischemic Stroke by Secondary Infarction of Peri-infarct Tissue  
Christian Dohmen, Univ of Cologne, Dept of Neurology, Cologne, Germany; Lutz Kracht, Max-Planck-Institut fur Neurologische Forschung, Cologne, Germany; Gerrit Brinker, Univ of Cologne, Dept of Neurosurgery, Cologne, Germany; Mirco Seifert, Univ of Cologne, Dept of Radiology, Cologne, Germany; Martin Fabricius, Danish Epilepsy Ctr, Dianalund, Dept of...
Neurophysiology, Copenhagen, Denmark; Rudolf Graf, Max-Planck-Inst for Neurological Res, Cologne, Germany

8:54 Discussion

Session VI: Concurrent E
Oral Abstracts: Ischemic Stroke Intervention
Room 217

Moderators: Tudor G Jovin, MD, Pittsburgh, PA
Carlos A Molina, MD, Barcelona, Spain

7:30 Mechanical Embolectomy in Octogenarians: Is It Wise? 92
Kashif Hameed, Harish Jhaveri, Naveed Akhtar, Coleman Martin, Marilyn M Rymer, Saint Lukes Brain and Stroke Inst, Kansas City, MO

7:42 Neither Time to Treatment Nor the Use of Adjunctive 93
Intra-Arterial Thrombolytics Increase the Risk for Symptomatic Intracranial Hemorrhage After Endovascular Treatment of CT Perfusion or MRI-Selected Stroke Patients Treated at Late Time Windows: Analysis of the Pre-DAWN Dataset
Raul G Nogueira, Massachusetts General Hosp, Boston, MA; Rishi Gupta, Cleveland Clinic Fndn, Cleveland, OH; David S Liebeskind, for the UCLA Revascularization Investigators, Los Angeles, CA; Marilyn M Rymer, Saint Luke's Brain and Stroke Inst, Kansas, MO; Andrew D Barreto, Univ of Texas-Houston Medical Sch, Houston, TX; Elad I Levy, SUNY Buffalo, Buffalo, NY; Osama O Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; Ansar Rai, West Virginia Univ, Morgantown, VA; Blaise Baxter, Erlanger Regional Stroke Ctr, Chattanooga, TN; Tudor Jovin, UPMC, Pittsburgh, PA

7:54 Thrombectomy for Acute Ischemic Stroke Patients Aged 94
80 Years or Older: Long-term Outcomes in 178 Patients
Raul G Nogueira, Massachusetts General Hosp, Boston, MA; Wade S Smith, Univ of California San Francisco, San Francisco, CA; Tudor Jovin, UPMC, Pittsburgh, PA; David S Liebeskind, UCLA, Los Angeles, CA; Ronald F Budzik, Riverside Methodist Hosp, Columbus, OH; Blaise Baxter, Erlanger Medical Ctr, Chattanooga, TN; Marilyn M Rymer, Saint Luke's Medical Ctr, Kansas, MO

8:06 Intracranial Stenting is Associated With Higher Rates 95
of Vessel Recanalization During Endovascular Therapy for Acute Ischemic Stroke
Esteban Cheng-Ching, The Cleveland Clinic Fndn, Cleveland, OH; Elad I Levy; SUNY Buffalo, Buffalo, NY; Osama Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; Sabareesh K Natarajan, SUNY Buffalo, Buffalo, NY; Junaid S Kalla, Medical Coll of Wisconsin, Milwaukee, WI; Tudor G Jovin, Stroke Inst, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Albert J Yoo, Raul G Nogueira, Massachusetts General Hosp, Boston, MA; Marilyn Rymer, Saint Luke’s Brain and Stroke Inst, Kansas City, MO; Ashish H Tayal, Allegheny General Hosp, Pittsburgh, PA; Daniel P Hsu, Univ Hosp, Cleveland, OH; David S Liebeskind, For the UCLA Revascularization Investigators, Univ of California Los Angeles, Los Angeles, CA; Alex Abou-Chebl, Univ of Louisville Medical Ctr, Louisville, KY; Ashish Nanda, Univ Hosp, Cleveland, OH; Melissa Tian, Allegheny General Hosp, Pittsburgh, PA; Qing Hao, For the UCLA Revascularization Investigators, Univ of California Los Angeles, Los Angeles, CA; Thanh N Nguyen, Boston Univ Sch of Med, Boston, MA; Michael Chen, Rush Univ Medical Ctr, Chicago, IL; Rishi Gupta, Cerebrovascular Ctr, The Cleveland Clinic Fndn, Cleveland, OH
8:18 General Anesthesia During Endovascular Therapy for Acute Stroke Intervention is Associated With Increased Mortality and Worse Clinical Outcomes
Rishi Gupta, Cerebrovascular Ctr, The Cleveland Clinic Fndn, Cleveland, OH; Tudor G Jovin, Stroke Inst, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Elad I Levy, SUNY Buffalo, Buffalo, NY; Albert J Yoo, Massachusetts General Hosp, Boston, MA; Marilyn M Rymer, Saint Luke’s Brain and Stroke Inst, Kansas City, MO; Ashis H Tayal, Allegheny General Hosp, Pittsburgh, PA; Daniel P Hsu, Univ of Cleveland, OH; David S Liebeskind, For the UCLA Revascularization Investigators, Univ of California Los Angeles, Los Angeles, CA; Sabareesh K Natarajan, SUNY Buffalo, Buffalo, NY; Paul G Nogueira, Massachusetts General Hosp, Boston, MA; Ashish Nanda, Univ Hosp, Cleveland, OH; Melissa Tian, Allegheny General Hosp, Pittsburgh, PA; Osama Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; Ting Hao, For the UCLA Revascularization Investigators, Univ of California Los Angeles, Los Angeles, CA; Junaid S Kalia, Medical Coll of Wisconsin, Milwaukee, WI; Thanh N Nguyen, Boston Univ Sch of Med, Boston, MA; Michael Chen, Rush Univ Medical Ctr, Chicago, IL; Alex Abou-Chebl, Univ of Louisivlle Medical Ctr, Louisville, KY

8:30 The Albumin in Acute Stroke (ALIAS) Trial: Part 1 Safety Analysis
Myron D Ginsberg, Univ of Miami Miller Sch of Med, Miami, FL; Renee H Martin, Medical Univ of South Carolina, Charleston, SC; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Yuko Y Palesch, Sharon Yeatts, Medical Univ of South Carolina, Charleston, SC; Claudia S Moy, Nati Inst of Neurological Disorders and Stroke, Rockville, MD; Diego Tamariz, Univ of Miami Miller Sch of Med, Miami, FL; Karla Ryckborst, Univ of Calgary, Calgary, AB, Canada; Bonnie D Waldman, Medical Univ of South Carolina, Charleston, SC

8:42 Safety of Drip-and-ship for Delivering Intra-arterial Therapy After IV tPA
Ramy El Khoury, Univ of Texas in Houston, Houston, TX; Sheryl Martin-Schild, Tulane Medical Ctr, New Orleans, LA; Vivek Misra, Andrew Barreto, Amrou Sarraj, Peng R Chen, Suichi Suzuki, James Grotta, Sean Savitz, Univ of Texas in Houston, Houston, TX

8:54 Discussion

Session VI: Concurrent F Oral Abstracts: In-Hospital Treatment Ballroom B
Moderators: Lauren Sansing, MD, Philadelphia, PA Werner Hacke, MD, FAHA, Heidelberg, Germany

7:30 Do All Ischemic Stroke Subtypes Benefit From Organized Inpatient Stroke Care?
Eric Smith, Univ of Calgary, Calgary, AB, Canada; Khalid A Hassan, Univ of Toronto, Toronto, ON, Canada; Jingming Fang, Inst of Clinical Evaluative Sciences, Toronto, ON, Canada; Daniel Selchen, Gustavo Saposnik, Univ of Toronto, Toronto, ON, Canada; Investigators of the Registry of the Canadian Stroke Network (RCSN); Stroke Outcome Research Canada (SORCan) working group

7:42 Validation of the HAT-Score Scale as a Predictor of Hemorrhagic Transformation in a Large Cohort of Acute Stroke Patients Treated With Intra-venous tPA
Natalia Perez de la Ossa, Stroke Unit, Dept of Neurosciences, Hosp Univiri Germans Trias i Pujol,
Barcelona, Spain; Mar Castellanos, Maria Jimenez, Stroke Unit, Dept of Neurology, Hosp Univri Josep Trueta, Girona, Spain; Elena Lopez-Cancio, Laura Dorado, Cristina Guerrero, Monica Millán, Meritxell Gomis, Stroke Unit, Dept of Neurosciences, Hosp Univri Germans Trias i Pujol, Barcelona, Spain; Joaquin Serena, Stroke Unit, Dept of Neurology, Hosp Univri Josep Trueta, Girona, Spain; Antoni Dávalos, Stroke Unit, Dept of Neurosciences, Hosp Univri Germans Trias i Pujol, Barcelona, Spain

7:54 Concordance Between Patient Bedside Dysphagia Assessment Results Obtained From Neurological Nurses and Speech Pathologists

8:06 DVT Prophylaxis With Low Molecular Weight Heparin or Unfractionated Heparin Does Not Increase Hematoma Volume in Patients With Intracerebral Hemorrhage
Tzu-Ching Wu, Mallikarjunarao Kasam, Hesna Bektas, Hen Hallevi, Vivek Misra, Nusrat Harun, Indrani Acosta, Andrew Barreto, Nicole Gonzales, James C Grotta, Sean I Savitz, Univ of Texas, Houston, Houston, TX

8:18 Systemic Inflammation but No Evidence of Immunodepression Following Stroke
Angela Kalil, Pat Tanzi, Kevin Cain, Dannielle Zierath, Kelly Carter, Jessica Hadwin, Anna Savos, Kyra J Becker, Univ of Washington Sch of Med, Seattle, WA

8:30 Stroke Severity is the Primary Predictor of Early Infection
Pat Tanzi, Angela Kalil, Kevin Cain, Dannielle Zierath, Anna Savos, Kelly Carter, Jessica Hadwin, Kyra Becker, Univ of Washington Sch of Med, Seattle, WA

8:42 Differences in Index Ischemic Stroke Characteristics in a Multiethnic Medically Underserved Population
Amytis Towfighi, Mary Ann Gallup, Amy Tai, Univ of Southern California, Rancho Los Amigos Nati Rehabilitation Ctr, Los Angeles, CA; Erika Guevara, Bruce Ovbiagele, UCLA-Olive View Medical Ctr, Sylmar, CA

8:54 Discussion
Session VII: Concurrent Symposia B
Informed Consent: Have We Gone Too Far or Not Far Enough?
Grand Ballroom C1
Moderators: Phillip Scott, MD, FAHA, Ann Arbor, MI
Lee H Schwamm, MD, FAHA, Boston, MA

9:15 Can We Truly Obtain Informed Consent in Acute Stroke?
A Bioethics Perspective
Donna T Chen, MD, MPH, Charlottesville, VA

9:30 Clinical Justice: Balancing the Rights of the Patient Before You with the Need to Perform Clinical Research for the Benefit of All Patients
Thomas I Cochrane, MD, Boston, MA

9:45 Exception from Informed Consent: Ethical, Legal and Practical Considerations
Jeffrey L Saver, MD, FAHA, FAAN, Los Angeles, CA

10:00 Discussion

Session VII: Concurrent Symposia C
Intravenous vs Intra-arterial Therapy for Acute Ischemic Stroke (Debate)
Ballroom B
Moderator: Kyra Becker, MD, Seattle, WA

9:15 Evidence Doesn’t Identify Either Intravenous or Intra-arterial Therapy as Clearly Superior
Thomas A Kent, MD, Houston, TX

9:30 Evidence to Support the Use of Intra-arterial Therapy
Peter Schellinger, MD, PhD, Erlangen, Germany

9:45 What to Do in the 3 - 4.5 Hour Time Window?
Werner Hacke, MD, FAHA, Heidelberg, Germany

10:00 Discussion

Session VII: Concurrent Symposia D
What Should Be the Standard of Care for Asymptomatic Carotid Stenosis? (Debate)
Room 217

Moderator: Seemant Chaturvedi, MD, Detroit, MI

9:15 The Standard of Care for Asymptomatic Carotid Stenosis is Surgery
Pierre B Fayad, MD, FAHA, Omaha, NE

9:30 The Standard of Care for Asymptomatic Carotid Stenosis Should Be Randomisation to Stenting or Surgery
Alison Halliday, MS, FRCS, Oxford, United Kingdom

9:45 The Standard of Care for Asymptomatic Carotid Stenosis Is Intensive Medical Therapy
J David Spence, MD, London, ON, Canada

10:00 Discussion

Session VII: Concurrent Symposia E
Controversies in the Management of Cerebral Arteriovenous Malformations: Where We Are and Can ARUBA Help? (Debate)
Room 214
This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of NeuroInterventional Surgery.

Moderator: Murat Gunel, MD, New Haven, CT

9:15 Who to Treat and When
M Christopher Wallace, MD, MSc, FRCSC, FACS, Toronto, ON, Canada

9:30 ARUBA Will Help Answer These Questions
Robert D Brown, MD, MPH, Rochester, MN

9:45 ARUBA Will Not Help Answer These Questions
Kevin Cockroft, MD, MSc, FACS, Hershey, PA

10:00 Q&A

Session VII: Concurrent Symposia F
The Economics of Stroke
Grand Ballroom C2

Moderators: Joseph Broderick, MD, FAHA, Cincinnati, OH
Thomas G Brott, MD, Jacksonville, FL

9:15 The Economics of Aneurysm Coiling and Clipping
Brian Hoh, MD, Gainesville, FL

9:27 The Impact of New DRGs for t-PA, Concentric and Penumbra on Acute Stroke Therapy in the US
David Tirschwell, MD, MSc, Seattle, WA

9:38 Arterial Stenting and Closure Devices: CMS’s Role in Randomized Clinical Trials
Anthony J Furlan, MD, Cleveland, OH

9:49 Devices in Stroke: Striking a Balance Between Innovation and Clinical Effectiveness
Thomas G Brott, MD, Jacksonville, FL

10:00 Discussion

10:15 am – 11:00 am

Break

11:00 am – 12:30 pm

Session VIII: Concurrent Symposia A
Vascular Cognitive Impairment and Alzheimer Disease: Is There a Common Mechanism?
Room 214

Moderators: Patrick Pullicino, MD, PhD, FAHA Canterbury, United Kingdom
Randolph Marshall, MD, New York, NY

11:00 Regional Hypoperfusion and Focal Cognitive Deficits
Argye E Hillis, MD, Baltimore, MD

11:19 Cognitive Impairment from Global Hypoperfusion: Cardiac Disease
Ronald M Lazar, PhD, New York, NY

11:38 Vascular Nature of Alzheimer's Disease
Berislav V Zlokovic, MD, PhD, Rochester, NY

11:57 Cognitive Outcomes in Stroke Clinical Trials: Treatment of Cerebral Hypoperfusion
Randolph S Marshall, MD, New York, NY

12:15 Discussion
Session VIII: Concurrent Symposia B
Secondary Prevention Adherence: Identifying Barriers and Novel Strategies for Improvement
Room 217

Moderators: Cheryl Bushnell, MD, FAHA, Winston Salem, NC
Bruce Ovbiagele, MD, FAHA, Los Angeles, CA

11:00 Patient-centric Factors Related to 12-month Adherence to Stroke Prevention Medication: The AVAIL Registry
Dai-Wai Olson, PhD, RN, CCRN, Durham, NC

Deborah Levine, MD, MPH, Ann Arbor, MI

11:38 Race-ethnic and Regional Patterns of Stroke Prevention Adherence: The REGARDS Data
David Brenner, MD, Birmingham, AL

11:57 Improving Behavioral Lifestyle Change Strategies After Stroke in Veterans: Data From the VA QUERI
Teresa Damush, PhD, Indianapolis, IN

12:15 Discussion

Session VIII: Concurrent Symposia C
Subarachnoid Hemorrhage: Current Protocols and Future Prospective
Grand Ballroom C1

This session has been jointly organized by the American Stroke Association, AANS/CNS Cerebrovascular Section and the Society of NeuroInterventional Surgery.

Moderators: Brian Hoh, MD, Gainesville, FL
Italo Linfante, MD, Miami, FL

11:00 SAH Epidemiology and Outcomes
Matthew L Flaherty, MD, Cincinnati, OH

11:19 NICU Management of SAH: Current Protocols and Future Directions
Stephan A Mayer, MD, FAHA, New York, NY

11:38 Microsurgical Clipping: Special Considerations in Treatment of Ruptured Aneurysms
B Gregory Thompson, MD, Ann Arbor, MI

11:57 Coil Embolization of Ruptured Aneurysms: Review of the Evidence
Giuseppe Lanzino, MD, FAHA, Rochester, MN

12:15 Discussion

Session VIII: Concurrent D
Oral Abstracts: Experimental Mechanisms and Models
Ballroom B

Moderators: Jun Chen, MD, Pittsburgh, PA
Raghu Vemuganti, PhD, Madison, WI

11:00 The Role of the Toll-Like Receptor Signaling Pathway in Cerebral Ischemia
Bolanle M Famakin, Yongshan Mou, Christl A Ruetzler, Joliet Y Bembry, John M Hallenbeck, Natl Insts, Bethesda, MD

11:12 Mutations of the Lipoprotein Receptor-Related Protein-6 Modulate Ischemic Brain Injury
Takato Abe, Ping Zhou, Munehisa Shimamura, M Elizabeth Ross, Costantino Iadecola, Weill Cornell Medical Coll, New York, NY
11:24 Genomic Profiling of microRNAs in the Subventricular Zone After Cerebral Ischemia: miR-124 is Associated With Neurogenesis Induced by Stroke
Xian Shuang Liu, Michael Chopp, Rui Lan Zhang, Long Fei Jia, Hua Teng, Charles Chen, Zheng Gang Zhang, Dept of Neurology, Henry Ford Health System, Detroit, MI

11:36 Cerebral RNA Expression Variation Between Inbred Mouse Strains Resistant and Susceptible to Cerebral Ischemia: Testing Novel Human Candidates
Sean S Li, Elisa A Ferrante, Brian H Annex, Charles R Farber, Bradford B Worrall, Univ of Virginia, Charlottesville, VA

11:48 Oligodendrocyte Injury and Leukoaraiosis in an Animal Model of Hypoxic-Ischemic Encephalopathy
Ahmed Shereen, Niza Nemkul, Dianer Yang, Cincinnati Children’s Hosp, Cincinnati, OH; Ning Gang, Pennsylvania State university, University Park, PA; Diana Lindquist, Chia-yi Kuan, Cincinnati Children’s Hosp, Cincinnati, OH

12:00 Bone Marrow Stromal Cells and Bone Marrow-derived Mononuclear Cells — Which Are Suitable as Cell Source of Transplantation for Mice Infarct Brain?
Hideo Shichinohe, Satoshi Kuroda, Katsuhiko Maruichi, Toshiya Osanai, Taku Sugiyama, Yasuhiro Chiba, Ayumi Yamaguchi, Yoshinobu Iwasaki, Dept of Neurosurgery, Hokkaido Univ, Sapporo, Japan

12:12 Treatment of Global Cerebral Ischemia by Virally-Mediated shRNA Suppression of TRPM7 Channels
Hong-Shuo Sun, Univ of Toronto, Toronto, ON, Canada; Michael F Jackson, Robarts Res Inst, Univ of Western Ontario, London, ON, Canada; Loren J Martin, Univ of Toronto, Toronto, ON, Canada; Karen Jansen, Mayo Clinic, Jacksonville, FL; Lucy Teves, Hong Cui, Toronto Western Hosp Res Inst, Toronto, ON, Canada; Shigeki Kiyonaka, Yasuori Mori, Kyoto Univ, Kyoto, Japan; Michael Jones, Joan P Forder, Toronto Western Hosp Res Inst, Toronto, ON, Canada; Todd E Golde, Mayo Clinic, Jacksonville, FL; Beverley A Orser, Univ of Toronto, Toronto, ON, Canada; John F MacDonald, Robarts Res Inst, Univ of Western Ontario, London, ON, Canada; Michael Tymianski, Toronto Western Hosp Res Inst and Univ of Toronto, Toronto, ON, Canada

12:24 Discussion

Session VIII: Concurrent E Oral Abstracts: Intracranial Atherosclerotic Occlusive Disease
Grand Ballroom C2

Moderators: Sepideh Amin Hanjani, MD, FACS, FAHA, Chicago, IL Brian Hoh, MD, Gainesville, FL

11:00 Intracranial Angioplasty and/or Stent Placement in Octogenarians is Associated With a Threefold Greater Risk of Peri-procedural Stroke or Death
Robert A Taylor, Nauman Tariq, M Fareed Suri, Farhan Siddiq, Gabriela Vazquez, Ramachandra P Tummala, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Joan C Wojak, Dept of Radiology, Our Lady of Lourdes Regional Medical Ctr, Lafayette, LA; John C Chaloupka, Univ of Iowa Coll of Med, Iowa city, IA; Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN
11:12 Collaterals Avert Neurovascular Complications and Recurrent Stroke in Stenting of Intracranial Atherosclerosis

David S Liebeskind, UCLA, Los Angeles, CA; Nicholas Tarlov, Boston Univ Medical Ctr, Boston, MA; Jeffrey L Saver, Qing Hao, James W Sayre, Latisha K Ali, Doojin Kim, Gary R Duckwiler, Satoshi Tateshima, Fernando Vihuela, Reza Jahan, UCLA, Los Angeles, CA; for the UCLA Collateral Investigators

11:24 Intermediate-term Angiographic and Clinical Outcomes With the Wingspan Intracranial Stent System (WIS) for Treatment of Symptomatic Intracranial Arterial Disease (sICAD): A Single-center Experience in 133 Consecutive Lesions Treated

R Charles Callison, Amy Keller, John C Chaloupka, Minako Hayakawa, John B Terry, Bryan Ludwig, Wei Liu, Univ of Iowa Hosp, Iowa City, IA

11:36 Empiric Immunosuppressive Therapy in Reversible Cerebral Vasoconstriction Syndromes (RCVS) is Associated With Worse Clinical Outcome

Aneesh B Singhal, Massachusetts General Hosp, Boston, MA; Rula A Hajj-Ali, Cleveland Clinic, Cleveland, OH; Mehmet A Topcuoglu, Hacettepe Univ Hosp, Ankara, Turkey; Joshua W Fak, Massachusetts General Hosp, Boston, MA; James Bena, Dongsheng Yang, Leonard H Calabrese, Cleveland Clinic, Cleveland, OH

11:48 Velocity Criteria for Intracranial Stenosis Revisited: A Multicenter Study of Transcranial Doppler (TCD) and Digital Subtraction Angiography (DSA)


12:00 Assessment of Cerebral Vasodilatory Reserve in Patients With Severe Steno-occlusive Disease Ofintracranial Internal Carotid and Middle Cerebral Artery

Vijay K Sharma, Hock L Teoh, Chou Ning, Natl Univ Hosp System, Singapore, Singapore; Georgios Tsivgoulis, Democritus Univ of Thrace, Sch of Med, Alexandroupolis, Greece; Lily Y Wong, Su Jie, Michael T Wee, Hao Cheng, Philip A Ping, Chiew S Hong, Natl Univ Hosp System, Singapore, Singapore; Demetrios Athanasiadis, 3rd Surgical Dept of Athens Univ, Attikon Teaching Hosp, Athens, Greece; Athanasia Patousi, Democritus Univ of Thrace, Alexandroupolis, Greece; Vincent F Chong, Attab Ahmad, Leonard Y Yeo, Narayanaswami Venketasubramanian, Benjamin K Ong, Bernard P Chan, Arvind K Sinha, Natl Univ Hosp System, Singapore, Singapore
12:12 Endovascular Treatment of Patients With Intracranial
Stenosis and Moyamoya Collaterals
Yuval Karmon, Sabareesh K Natarajan, Hajjime Ohta,
Leo N Hopkins, Adnan H Siddiqui, Elad I Levy, Univ at
Buffalo-SUNY, Buffalo, NY

12:24 Discussion

Session VIII: Concurrent F
Oral Abstracts: Multidisciplinary Clinical Rehabilitation
Grand Ballroom C3

Moderators: TBD

11:00 Multiparametric Magnetic Resonance Imaging
Characteristics of Stroke Recovery
Panayiotis Mitsias, Quan Jiang, Angelos Katramados,
Qingming Zhao, Brian Silver, Lian Li, Lonni Schultz, Michael
Chopp, Henry Ford Hosp, Detroit, MI

11:12 Altered Neural Control of Postural Sway Following
Right-hemisphere Cerebral Infarction
Brad Manor, Beth Israel Deaconess Medical Ctr, Harvard
Medical Sch, Boston, MA; Kun Hu, Magdy Selim, David
Alsop, Lewis Lipsitz, Vera Novak, Beth Israel Deaconess
Medical Ctr, Boston, MA

11:24 Integrity of Transcallosal Motor Fibers Predicts Recovery
Potential in Chronic Stroke
Robert Lindenberg, Lin L Zhu, Beth Israel Deaconess Med
Ctr / Harvard Medical Sch, Boston, MA; Gottfried Schlaug,
Beth Israel Deaconess Med Ctr / Harvard Medical Sch, Boston,
MA

11:36 Lesion Load of the Arcuate Fasciculus Predicts Fluency
in Patients With Broca’s Aphasia After Stroke
Sarah Marchina, Beth Israel Deaconess Med Ctr / Harvard
Medical Sch, Boston, MA; Lin L Zhu, Lauryn Zipse, Beth
Israel Deaconess Med Ctr / Harvard Medical Sch, Boston,
MA; Andrea Norton, Beth Israel Deaconess Med Ctr / Harvard
Medical Sch, Boston, MA; Catherine Wan, Gottfried Schlaug,
Beth Israel Deaconess Med Ctr / Harvard Medical Sch, Boston,
MA

11:48 Post-stroke Falling and Injury Due to Fall Among
Elderly Population: Health and Retirement Study Survey
2002-2006
Afshin A Divani, Gabriela VAquez, Univ Minn, Minneapolis,
MN; Anna M Barrett, Kessler Fndn Reseach Ctr, West
Orange, NJ; Trevor Baybutt, Univ Minn, Minneapolis, MN;
Andreas R Luft, Univ of Zurich, Zurich, Switzerland

12:00 Factors Associated With Treatment Response to
Combined Psychosocial and Antidepressant Treatment
of Post-Stroke Depression (PSD)
Pamela H Mitchell, Kyra J Becker, Ann Buzaitis, Kevin C
Cain, Vicki Johnson, Ruth Cohen, Linda Teri, David
Tirschwell, Richard C Veith, Univ of Washington, Seattle, WA

12:12 Subcortical Lesion Load is Associated With Poor
Cognitive Recovery After Ischemic Stroke
Hen Hallelvi, Einar Ben Assayag, Shani Shenhari-Tsarfaty,
Irena Bova, Ludmila Shopin, Alex Gur, Tel Aviv Medical Ctr,
Tel Aviv, Israel; Uri Goldbourt, Tel Aviv Univ, Tel Aviv, Israel;
Nir Giladi, Tel Aviv Medical Ctr, Tel Aviv, Israel; Amos D
Korczyzn, Tel Aviv Univ, Tel Aviv, Israel; Noomi Katz, Ono
Academic Coll, Kiryat Ono, Israel; Nathan M Bornstein, Tel
Aviv Medical Ctr, Tel Aviv, Israel

12:24 Discussion
12:30 pm – 12:45 pm
Short Break

12:45 pm – 2:00 pm
Science and Technology Hall (Exhibits) and Lunch Break
Exhibit Hall B

Professor-Led Poster Tours by Category – Session III:
Moderated Q&A with Poster Presenters
Exhibit Hall A
(Posters P289 – P420; see Poster Abstracts)
FAHAs and other stroke leaders – please be sure to show your support for young investigators and attend the poster sessions.
Fellow and Early Career Luncheon: Academic Life During and After Stroke Fellowship (ticket required; seating is limited)
Room 006 C-D
Moderator: Joseph Broderick, MD, FAHA, Cincinnati, OH

12:55 Finding and Working with a Mentor
Joseph Broderick, MD, FAHA, Cincinnati, OH
1:08 NIH K Awards – Why, How and When?
Karen C Johnston, MD, FAHA, Charlottesville, VA
1:21 Fellow Stories from the Trenches as Related by a Mentor
James C Grotta, MD, FAHA, Houston, TX
1:35 Discussion

2:00 pm – 3:30 pm
Session IX: Concurrent Symposia A
Stroke Prevention Among the Young with Heart Disease: Controversies in the Use of Antithrombotic Therapy
Room 214
Moderators: Neil Friedman, MD, Cleveland, OH
Stephen Ashwal, MD, Loma Linda, CA

2:00 The Changing Landscape of Morbidity Among Long-term Survivors of Congenital Heart Disease
J William Gaynor, MD, Philadelphia, PA
2:25 Role of Thrombophilia and Controversies in Antithrombotic for Stroke Prevention in CHD
Fenella J Kirkham, MA, MB, BChir, FRCPCH, London, United Kingdom
2:50 Controversies in the Management of PFO in Secondary Stroke Prevention
Steve Messe, MD, Philadelphia, PA
3:15 Discussion

Session IX: Concurrent Symposia B
Burning Issues in Quality of Life in Stroke Survivors and Caregivers
Grand Ballroom C1
Moderators: Janice L Hinkle, RN, PhD, FAHA, Washington, DC
Tamilyn Bakas, DNS, RN, FAHA, FAAN, Indianapolis, IN

2:00 Overview of the Burning Issues in Quality of Life Research of Stroke Survivors and Caregivers
Rosemarie King, RN, PhD, FAHA, Chicago, IL
2:20 Presentation of the Stroke Innovation Award Winners: Dr Gretchen Tietjen, Dr Jorge Kattah, Dr Nancy Mayo
Vladimir Hachinski, MD, FRCP, DSc, London, ON, Canada

2:25 Basic Science, Drug Development and Technology: Opportunities and Imperatives for Translational Research
Geoffrey Donnan, MD, MBBS, FAHA, FRACP, Heidelberg Heights, Victoria, Australia

2:30 Brain Recovery and Rehabilitation: Harnessing the Regenerative Powers of the Brain and the Individual
Steve C Cramer, MD, Orange, CA

Markku Kaste, MD, PhD, FESC, FAHA, Helsinki, Finland

2:40 Opportunities for Partnerships, Patients, Organizations, Communities, Government, Industry and Academia
Marc Fisher, MD, Worcester, MA

2:45 Educating and Energizing Professionals, Patients, the Public and Policy Makers
Michael Brainin, MD, Tulln, Austria

2:50 Discussion

Session IX: Concurrent Symposia C
Stroke: Committing to a World Stroke Agenda
(a Stroke journal session)
Ballroom B

Moderators: Vladimir Hachinski, MD, FRCP, DSc, London, ON, Canada
Marc Fisher, MD, Worcester, MA

2:00 Acute Stroke Management: Applying and Expanding What We Know
Werner Hacke, MD, FAHA, Heidelberg, Germany

2:25 Stroke Prevention: Broadening Our Approach and Intensifying Our Efforts
Philip B Gorelick, MD, MPH, FAHA, Chicago, IL

2:30 Basic Science, Drug Development and Technology: Opportunities and Imperatives for Translational Research
Geoffrey Donnan, MD, MBBS, FAHA, FRACP, Heidelberg Heights, Victoria, Australia

Markku Kaste, MD, PhD, FESC, FAHA, Helsinki, Finland

2:40 Opportunities for Partnerships, Patients, Organizations, Communities, Government, Industry and Academia
Marc Fisher, MD, Worcester, MA

2:45 Educating and Energizing Professionals, Patients, the Public and Policy Makers
Michael Brainin, MD, Tulln, Austria

2:50 Discussion

Session IX: Concurrent D
Oral Abstracts: SAH Management
Room 217

Moderators: Michael Alexander, MD, FACS, Los Angeles, CA
Gregory J Zipfel, MD, Saint Louis, MO

2:00 Outcomes From Cerebral Vasospasm Following Subarachnoid Hemorrhage at a Tertiary Care Center
Peter Jun, Steven Hetts, James K Tatum, Christopher F Dowd, Nerissa U Ko, Univ California, San Francisco, CA

2:12 Impact of Systemic Inflammatory Response Syndrome on Vasospasm, Cerebral Infarction and Outcome After Subarachnoid Hemorrhage
Robert Loch Macdonald, Alan Tam, Jay Mocco, Don Ilodigwe, St Michaels Hosp Univ Toronto, Toronto, ON, Canada
2:24 Cilostazol Improves Outcome After Subarachnoid Hemorrhage

Satoshi Suzuki, Nippon Steel Yawata Memorial Hosp, Kitakyushu, Japan; Tetsuro Sayama, Kyushu Rosai Hosp, Kitakyushu, Japan; Masaru Ohta, Shimonomaseki City Hosp, Shimonomaseki, Japan; Takaharu Nakamura, Hiyoriyuki Nishimura, Kyushu Koseinenkin Hosp, Kitakyushu, Japan; Sadao Onaka, Yamaguchi Red Cross Hosp, Yamaguchi, Japan; Takuya Inoue, Nippon Steel Yawata Memorial Hosp, Kitakyushu, Japan; Hiromichi Mannojo, Yamaguchi Red Cross Hosp, Yamaguchi, Japan; Iwao Takeshita, Kyushu Rosai Hosp, Kitakyushu, Japan

2:36 Should Provision of Angioplasty for Cerebral Vasospasm Be a Mandatory Component for Hospitals Treating Patients With Subarachnoid Hemorrhage?

Rakesh Khatri, Gabriela Vazquez, M Fareed Suri, Mustapha A Ezzeddine, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

2:48 Radiation Exposure From Computed Tomography in Patients With Subarachnoid Hemorrhage

Venkatesh Aiyagari, Joann Max, Fernando D Testai, Univ Illinois at Chicago, Chicago, IL

3:00 Non-invasive Cerebrovascular Monitoring

Faisal M Kashif, Thomas Heldt, Massachusetts Inst of Technology, Cambridge, MA; Vera Novak, Beth Israel Deaconess Medical Ctr, Boston, MA; Marek Czosnyka, Univ of Cambridge, Cambridge, United Kingdom; George C Verghese, Massachusetts Inst of Technology, Cambridge, MA

3:12 US Multicenter Study of Endovascular Therapy in Ruptured Cerebral Aneurysms With Parent Artery Vasospasm

Dileep Yavagal, Univ of Miami Miller Sch, Miami, FL; Doniel Drazin, Cedars Sinai Medical Ctr, Los Angeles, CA; Edward Gifford, Albany Medical Ctr, Albany, NY; Randall Edgell, Saint Louis Univ, St Louis, MO; Mahmood Rayes, Wayne State Univ, Detroit, MI; Andrew Xavier, Wayne State University, Detroit, MI; Muhammad S Hussain, Rishi Gupta, Cleveland Clinic, Cleveland, OH; Junaid Kalia, Osama O Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; Italo Linfante, Baptist Medical Ctr, Miami, FL; Raul Nogueira, Massachusetts General Hosp, Boston, MA; Than Nguyen, Boston Univ, Boston, MA; Alan Boulous, Albany Medical Ctr, Albany, NY

3:24 Discussion

Session IX: Concurrent E
Oral Abstracts: Diagnosis II
Grand Ballroom C2

Moderators: A G Sorensen, MD, Charlestown, MA
Mark Parsons, PhD, Newcastle, New South Wales, Australia

2:00 Defining the Extent of Irreversible Brain Ischemia Using Perfusion Computed Tomography

Andrew Bivard, Patrick McElduff, Christopher Levi, Neil Spratt, Mark Parsons, Univ of Newcastle, Newcastle, Australia

2:12 CTA Source Images in the Era of Fast, Volume CT Scanning: Are They Still “DWI” Weighted?

Ranliang Hu, Albert Yoo, Reza Hakimelah, Michael Lev, Raul Nogueira, Joshua Hirsch, Ramon G Gonzalez, Pamela Schaefer, Massachusetts General Hosp, Boston, MA
2:24 Influence of Ischemic Volume and Laterality on Perfusion Imaging on Total and Subcomponents of the NIHSS Score in Acute Supratentorial Stroke
Meng Lee, Dept of Neurology, Chang Gung Memorial Hosp and Univ, Putzu, Taiwan; Jeffrey L Saver, Jeffrey Alger, Qing Hao, Noriko Salmon, Sidney Starkman, Latisha K Ali, Bruce Ovbiagele, Doojin Kim, J Pablo Villablanca, Michael T Froehler, Geffen Sch of Med, UCLA, Los Angeles, CA; Matthew S Tenser, USC, Los Angeles, CA; David S Liebeskind, Geffen Sch of Med, UCLA, Los Angeles, CA

2:36 Predicting Clinical Outcome in Comatose Cardiac Arrest Patients Using Early CT
Ona Wu, Leonardo M Batista, Fabricio O Lima, Karen L Furie, David M Greer, Massachusetts General Hosp, Boston, MA

2:48 Evolution of Lacunar Stroke- Leukoariosis or Lacune?
Steven M McClendon, Rita Bhatia, Sebastian Koch, Univ Miami, Miami, FL

3:00 Echographical Classification of Mobile Plaques of Carotid Artery, Corresponding to Histology
Kazuyuki Nagatsu, Natl Cardiovascular Ctr, Osaka, Japan

3:12 Brain Tissue Ischemic Transitions During Permanent Middle Cerebral Artery Occlusion in Rats
Edwin M Nemoto, Univ of New Mexico, Albuquerque, NM; Lesley M Foley, T Kevin Hitchens, Brent Barbe, Chien Ho, Carnegie Mellon Univ, Pittsburgh, PA

3:24 Discussion

Session IX: Concurrent F Oral Abstracts: Community/Risk Factors II Grand Ballroom C3
Moderators: James F Meschia, MD, FAHA, Jacksonville, FL
Ralph L Sacco, MD, MS, FAAN, FAHA, Miami, FL

2:00 Common Risk Variants for Atrial Fibrillation on Chromosomes 4q25 and 16q22 Associate With Non-cardiogenic Stroke Suggesting That AF is a Greater Cause of Stroke Than Previously Recognized
Jeffrey Gulcher, deCODE Genetics, Barrington, IL; Daniel Gudbjartsson, Hilma Solheim, Solveig Gretarsdottir, Unnur Thorsteinsdottir, deCODE Genetics, Reykjavik, Iceland; David Arnar, Natl University Hosp, Reykjavik, Iceland; Kari Stefansson, deCODE Genetics, Reykjavik, Iceland

2:12 Is There a Relationship Between Renal Dysfunction and White Matter Disease?
Viveca Bhat, Pablo Pergola, Lesly Pearce, Gabriela Vidal-Pergola, Robert G Hart, Oscar Benavente, UT Health Science Ctr, San Antonio, TX

2:24 Multiple Biomarkers and Risk of Clinical and Subclinical Vascular Brain Injury: The Framingham Offspring Study
The Relationship of Oral Glucose Tolerance Test With All-cause and Stroke Mortality in a General Urban Japanese Cohort: The Suita Study

Yoshihiro Kokubo, Hisashi Makino, Tomonori Okamura, Yoshihiro Miyamoto, Makoto Watanabe, Aya Higashiyama, Yuu Ono, Yoko Furukawa, Haruko Yamamoto, Yasunao Yoshimasa, Natl Cardiovascular Ctr, Suita Osaka, Japan

Association of Five Variants in the LRP, NOS3, SCNN1A and MMP12 Genes With Ischemic Stroke

Sophie Domingues-Montanari, Israel Fernández-Cadenas, Neurovascular Res Lab and Neurovascular Unit, Dept of Neurology, Inst de Recerca, Vall d’Hebron Hosp, Barcelona, Spain; Alberto del Río-Espinola, Malte Mendioroz, Jessica Fernández-Morales, Neurovascular Res Lab and Neurovascular Unit, Dept of Neurology, Inst de Recerca, Vall d’Hebron Hosp, Barcelona, Spain; Pilar Delgado, Anna Penalba, Pilar Chacón, David Salat, Marc Ribó, Anna Rosell, Joan Montaner, Neurovascular Res Lab and Neurovascular Unit, Dept of Neurology, Inst de Recerca, Vall d’Hebron Hosp, Barcelona, Spain

Prediction of Subsequent Stroke Risk in TIA Patients With Brain Infarction

Hakan Ay, Stroke Service, Dept of Neurology and AA Martinos Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA; Ethem Murat Arsava, AA Martinos Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA; Karen L Furie, Lee H Schwamm, Stroke Service, Dept of Neurology, Massachusetts General Hosp, Boston, MA; AGregory Sorensen, AA Martinos Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA

Diabetes Continues to Be a Risk Factor for Stroke in the Young in a Large Bi-Racial Population

Jane C Khoury, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Kathleen Alwell, Dawn Kleindorfer, Charles J Moomaw, Daniel Woo, Opeolu Adeoye, Matthew L Flaherty, Pooja Khatri, Simona Ferioli, Joseph P Broderick, Brett M Kissela, Univ of Cincinnati Medical Ctr, Cincinnati, OH

Discussion
4:00 A General Overview of Brain Plasticity
   Michael V Johnston, MD, Baltimore, MD
4:19 Basic Principles of Activity-dependent in the Developing Corticospinal System: Implications for Therapy
   J Martin, PhD, New York, NY
4:38 Mapping and Modulating Developmental Plasticity in Pediatric Stroke with TMS
   Adam Kirton, MD, MSc, FRCPC, Calgary, AB, Canada
4:57 TMS in Stroke Rehabilitation: Lessons from Adult Studies
   Leonardo G Cohen, MD, Bethesda, MD
5:15 Discussion

Session X: Concurrent Symposia B
The Tipping Point: New Approaches to the Decision to Anticoagulate
Grand Ballroom C2
Moderators: Mark H Eckman, MD, Cincinnati, OH
            Steven M Greenberg, MD, PhD, Boston, MA
4:00 Introduction
   Steven M Greenberg, MD, PhD, Boston, MA
4:03 Who SHOULD Be Anticoagulated?
   Daniel Singer, MD, Boston, MA
4:21 Who SHOULDN'T Be Anticoagulated?
   Robert G Hart, MD, San Antonio, TX
4:39 Can Genetics and Imaging Help?
   Jonathan Rosand, MD, Boston, MA
4:57 Where Is the Tipping Point in the Decision to Anticoagulate?
   Mark H Eckman, MD, Cincinnati, OH
5:15 Discussion

Session X: Concurrent Symposia C
The Science of Behavior Change for Stroke Prevention and Acute Treatment
Grand Ballroom C3
Moderators: Walter Koroshetz, MD, FAAN, Bethesda, MD
            Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI
4:00 Summary of the NINDS Workshop for Behavioral Change in Preventing Stroke and Heart Disease
   Walter Koroshetz, MD, FAAN, Bethesda, MD
4:05 The Science of Behavior Change
   Kathleen Conley, PhD, Ypsilanti, MI
4:24 Strategies for Prevention vs. Preparedness
   Bernadette Boden-Albala, MPH, DrPH, New York, NY
4:43 Culturally Sensitive Strategies for Targeting Underserved Groups
   Devin L Brown, MD, FAHA, Ann Arbor, MI
5:02 Putting a Team Together for Behavior Change Research
   Dawn Kleindorfer, MD, FAHA, Cincinnati, OH
5:20 Discussion

Session X: Concurrent Symposia D
Brain Lipids Pro and Con: What Are LOX and COX Doing in the Ischemic Brain?
Grand Ballroom C1
Moderators: Louise D McCullough, MD, PhD, Farmington, CT
            Anna M Planas, PhD, Barcelona, Spain
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4:00  Cyclooxygenases and the Risk of Stroke  
Costantino Iadecola, MD, FAHA, New York, NY

4:15  12/15-Lipoxygenase and Brain Damage Following Stroke  
Klaus Van Leyen, PhD, Charlestown, MA

4:30  The Potential Therapeutic Role of EP2 and EP4 Receptors  
Katrin Andreasson, MD, Stanford, CA

4:45  The Potential Therapeutic Role of EP1 and EP3 Receptors  
Sylvain Dore, PhD, Baltimore, MD

5:00  Neuroprotective Implications of Lipid Signaling  
Nicolas G Bazan, MD, PhD, New Orleans, LA

5:15  Discussion

Session X: Concurrent Symposia E  
Genetic Cerebral Vasculopathies: New Insights in Pathogenesis and New Avenues for Interventions? Room 214

Moderators: Steven Pavlakis, MD, Brooklyn, NY  
Mark Mackay, MBBS, DipRACOG, FRACP, Melbourne, Australia

4:00  Overview of Vasculopathies in Childhood Stroke  
Vijeya Ganesan, MD, London, United Kingdom

4:19  The Role of Defects in NOTCH Signaling in Alagille-associated Vasculopathy  
Binita Kamath, MD, Toronto, ON, Canada

4:38  The Molecular/Genetic Mechanisms in NF-associated Vasculopathy  
David A Ingram, MD, Indianaoplis, IN

4:57  Genetics of Moyamoya  
Steven Pavlakis, MD, Brooklyn, NY

5:15  Discussion

Session X: Concurrent F  
Oral Abstracts: Clinical Science: Key Findings and First Looks Ballroom B

Moderators: Andrei V Alexandrov, MD, Birmingham, AL  
Walter Koroshetz, MD, FAAN, Bethesda, MD

4:00  Improvement in In-Hospital Clinical Outcomes for 190 Ischemic Stroke from 2003 to 2009: Findings from Get With The Guidelines-Stroke  
Lee H Schwamm, Massachusetts General Hosp, Newton, MA; Eric E Smith, Foothills Medical Ctr, Calgary, AB, Canada; Xin Zhao, DaiWai Olson, Duke Clinical Res Ctr, Durham, NC; Mathew Reeves, Michigan State Univ, Lansing, MI; Jeffrey Saver, UCLA, Los Angeles, CA; Eric Peterson, Adrian Hernandez, Duke Clinical Res Ctr, Durham, NC; Gregg Fonarow, UCLA, Los Angeles, CA

4:20  Rate Of Change In Intima-media Thickness Of The Common Carotid Artery As Predictor Of Stroke: The Mesa (Multi-Ethnic Study Of Atherosclerosis) Imt Progression Study  
Joseph F Polak, Tufts Medical Ctr, Tufts Univ Sch of Med, Boston, MA; Michael J Pencina, Boston Univ Sch of Public Health, Boston, MA; Daniel H O’Leary, Tufts Medical Ctr and Carney Hosp, Boston, MA; Ralph B D’Agostino, Sr, Boston Univ, Boston, MA
4:40  Sonothrombolysis Is Effective For Minimally Invasive Evacuation Of Spontaneous Intracerebral Hemorrhage
David W Newell, M Mohsin Shah, Swedish Neuroscience Inst, Seattle, WA; Robert Wilcox, Douglas Hansmann, EKOS Corp, Bothell, WA; Daniel F Hanley, Johns Hopkins Univ Medical Sch, Baltimore, MD

5:00  Interventional Acute Stroke Therapy with the Merci Retriever Embolectomy Device: Recanalization Rates and Clinical Outcomes Observed in an Open Label Prospective Multicenter Registry
Tudor G Jovin, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Marilyn M Rymer, St Luke’s Hosp, Kansas City, MO; Ronald F Budzik, Riverside Methodist Hosp, Columbus, OH; Thomas G Devlin, Erlanger Medical Ctr, Chattanooga, TN; Helmi L Lutsep, Oregon Stroke Ctr, OHSU, Portland, OR; Wade S Smith, Univ of California, San Francisco, San Francisco, CA

5:20  Discussion

5:30 pm – 6:30 pm  Professor-Led Poster Tours by Category – Session IV: Moderated Q&A with Poster Presenters
Exhibit Hall A
(Posters P421 – P552; Late-Breaking Science Posters; see Poster Abstracts)
FAHAs and other stroke leaders – please be sure to show your support for young investigators and attend the poster sessions.

Science and Technology Hall (Exhibits)
Exhibit Hall B
For changes to the program made since the Final Program was printed, please check the Online Program Planner located on the ISC Web site at strokeconference.org.

Presenting authors for the oral abstracts are in bold in the author block.

FRIDAY, FEBRUARY 26

8:00 am – 9:30 am

Session XI: Concurrent Symposia A
Nursing Interventions in Acute Stroke
Grand Ballroom C2

Moderators: Wende N Fedder, RN, BSN, MBA, FAHA, Chicago, IL
Nancy D Ashley, RN, MSN, Louisville, KY

8:00 Communicating Across the Chasm: Coordinating Acute Stroke in Telemedicine Systems
Connie F Parliament, MSN, RN, Pontiac, MI

8:15 What Can We Learn from Nurses’ Experience in Expediting MI Reperfusion?
Tom Quinn, RN, MN, FESC, Guildford, United Kingdom

8:30 Care of the Cooled Brain: Nursing Care for Hypothermia in Acute Stroke
Anne Alexandrov, PhD, RN, CCRN, FAAN, Birmingham, AL

8:45 Assessing for Risk: Depression in Acute Stroke
Margaret Kelly-Hayes, EdD, RN, FAAN, Boston, MA

9:00 What Do They Know? Evidence-based Guidelines for Educating Stroke Patients After Discharge
Sharon K Ostwald, PhD, RN, FGSA, Houston, TX

9:15 Discussion

Session XI: Concurrent Symposia B
Epigenetics and Stroke Protection and Recovery: From Molecules to Man
Grand Ballroom C3

Moderators: Sean I Savitz, MD, FAHA, Houston, TX
Rajiv R Ratan, MD, PhD, White Plains, NY

8:00 Overview of Epigenetics in Stroke
Rajiv R Ratan, MD, PhD, White Plains, NY

8:25 Sirtuins, Regulators of Aging and Ischemic Preconditioning
Miguel A Perez-Pinzon, PhD, Miami, FL

8:50 Class I and II HDAC Inhibitors as Neuroprotective and Neurorestorative Agents
Brett Langley, PhD, White Plains, NY

9:15 Discussion
Session XI: Concurrent Symposia C
Defending the Stroke Guidelines (Forum)
Grand Ballroom C1

Moderators: Scott E Kasner, MD, MS, FAHA, Philadelphia, PA
Colin Derdeyn, MD, FAHA, St Louis, MO

8:00 Guideline and Scientific Statement Development
Scott E Kasner, MD, MS, FAHA, Philadelphia, PA

8:10 Subarachnoid Hemorrhage
Joshua B Bederson, MD, New York, NY

8:25 Expansion of the Time Window for Treatment of Acute Ischemic Stroke with Intravenous Tissue Plasminogen Activator
Gregory J del Zoppo, MD, MS, FAHA, Seattle, WA

8:40 Definition and Evaluation of Transient Ischemic Attack
J Donald Easton, MD, FAHA, Providence, RI

8:50 Prevention of Stroke in Patients with Stroke and TIA
Karen L Furie, MD, MPH, FAHA, Boston, MA

9:05 Topics Under Development (Race-Ethnic Disparities in Stroke Care, Cerebral Vein Thrombosis, Vascular Dementia, Primary Prevention, Intracerebral Hemorrhage)
Colin Derdeyn, MD, FAHA, St Louis, MO

9:15 Dissemination and Implementation of Guidelines and Statements: Professional Education
Dawn Kleindorfer, MD, FAHA, Cincinnati, OH

Session XI: Concurrent D
Oral Abstracts: Aneurysm
Room 214

Moderators: David Fiorella, MD, PhD, Stony Brook, NY
Frank C Tong, MD, Atlanta, GA

8:00 Endovascular Repair of the Ruptured Anterior Communication Artery Complex and Wide Neck Aneurysms: A Single Center Experience
Yahia M Lodi, John Cullen, Jonathan Naysan, Veena Yashaswí, Ravi Patel, Adham Kame1, Amar Swrankar, Eric Deshaies, Tara Ramachandran, Julius-Gene Latorre, Upstate Medical Univ, Syracuse, NY

8:12 Distribution and Risk Factors of Site and Size of Unruptured Intracranial Aneurysms
James C Torner, Univ of Iowa, Iowa City, IA; John Huston III, Irene Meissner, David G Piepgras, Mayo Clinic, Rochester, MN; Jie Zhang, Univ of Iowa, Iowa City, IA; Robert Brown Jr, Mayo Clinic, Rochester, MN

8:24 Safety and Feasibility of Elective Endovascular Coiling of Very Small (2-7 mm) Unruptured Cerebral Aneurysms (ECOSA Study): A Multicenter Experience Analysis
Junaid S Kalia, Medical Coll of Wisconsin, Milwaukee, WI; Leonardo M Batista, Massachusetts General Hosp, Boston, MA; Mahmoud Rayes, Wayne State Univ, Detroit, MI; Vahid Etezadi, Baptist Cardiac and Vascular Inst, Miami, FL; Justin Sweeney, Saint Louis Univ, St Louis, MO; Johnny C Pryor, Raúl G Nogueira, Massachusetts General Hosp, Boston, MA; Andrew R Xavier, Wayne State Univ, Detroit, WI; Rishi Gupta, Cleveland Clinic, Cleveland, OH; Italo Linfante, Baptist Cardiac and Vascular Inst, Miami, FL; Alexander Norbash, Thanh Nguyen, Boston Univ Sch of Med, Boston, MA; Randy Edgell, Saint Louis Univ, St Louis, MO; John R Lynch, Brian-Fred Fitzsimmons, Osama O Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; For Endovascular Coiling Of Small Aneurysm multicenter study group (ECOSA study)
8:36 Hemodynamic Factors Contributing to Intracranial Aneurysm Initiation in a Rabbit Model
Eleni Metaxa, Markus Tremmel, SUNY at Buffalo, Buffalo, NY; Sabareesh K Natarajan, State Univ of New York, Buffalo, NY; Jianping Xiang, Rocco A Paluch, Max Mandelbaum, Adnan Siddiqui, John Kolega, SUNY at Buffalo, Buffalo, NY; J Mocco, Univ of Florida, Gainesville, FL; Hui Meng, SUNY at Buffalo, Buffalo, NY

8:48 Relationship Between Gene Variants and Smoking in the Familial Intracranial Aneurysm (FIA) Study
Joseph Broderick, Richard Hormung, Univ of Cincinnati, Cincinnati, OH; Daniel Koller, Indiana Univ Sch of Med, Indianapolis, IN; Daniel Woo, Laura Sauverbeek, Ranjan Deka, Univ of Cincinnati, Cincinnati, OH; Craig Anderson, Georges Inst for Intl Health Univ of Sydney, Sydney, Australia; ESander Connolly, Columbia Univ, New York City, NY; Guy Rouleau, Notre Dame Hosp, Montreal, QC, Canada; Carl Langfeld, Wake Forest Univ, Winston Salem, NC; John Huston, Robert Brown, Mayo Clinic, Rochester, MN; Tatiana Foroud, Indiana Univ Sch of Med, Indiana, IN; For the FIA Investigators

9:00 Stent-assisted Repair of the Ruptured Intracranial Wide Neck Aneurysm: A Single Center Experience
Yahia M Lodi, Ravi Patel, Adham Kamel, Amar Swrankar, Eric Deshaies, Julius Gene Latorre, Tara Ramachandran, Richard Fessler, Upstate Medical Univ, Syracuse, NY

9:12 Preinterventional Clopidogrel Response Variability for Coil Embolization of Intracranial Aneurysms: Clinical Implication
Hyun-Seung Kang, Suyeon Choi, Bae Ju Kwon, Jeong Eun Kim, Moon Hee Han, Seoul Natl Univ Hosp, Seoul, Republic of Korea

9:24 Discussion

Session XI: Concurrent E Oral Abstracts: Chairs’ Choice
Ballroom B

Moderators: Patricia D Hurn, PhD, FAHA, Portland, OR
Lewis B Morgenstern, MD, FAHA, Ann Arbor, MI

8:00 The Neurovascular Dysfunction Induced by Angiotensin II Requires Activation of EP1 Receptors by Cyclooxygenase 1-Derived Prostaglandin E2
Carmen Capone, Giuseppe Faraco, Josef Anrather, Costantino Iadecola, Weill Cornell Medical Coll, New York, NY

8:12 Mortality and Causes of Death in the Familial Intracranial Aneurysm (FIA) Study
Laura Sauverbeek, Univ of Cincinnati, Cincinnati, OH; Richard Hormung, The Children's Hosp Medical Ctr, Cincinnati, OH; Daniel Woo, Charles Moomaw, Univ of Cincinnati, Cincinnati, OH; Craig Anderson, The George Inst for Intl Health, Sydney, Australia; ESander Connolly, Columbia Univ, New York, NY; Guy Rouleau, Notre Dame Hosp, Montreal, QC, Canada; Robert Brown Jr, Mayo Clinic, Rochester, MN; Joseph Broderick, Univ of Cincinnati, Cincinnati, OH; For the FIA Investigators

8:24 Statin Cessation After Ischemic Stroke
Babak B Navi, Hooman Kamel, UCSF, San Francisco, CA; Stephen Sidney, Kaiser Permanente Northern California, Oakland, CA; Nancy K Hills, Mai N Nguyen-Huyhn, S Claiborne Johnston, UCSF, San Francisco, CA
8:36 Stroke Incidence as the Major Contributor to Racial and Regional Disparities in Stroke Mortality: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study
Virginia J Howard, Univ of Alabama-Birmingham, Birmingham, AL; Dawn Kleindorfer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Leslie A McClure, Univ of Alabama-Birmingham, Birmingham, AL; Brett M Kissela, Univ of Cincinnati Coll of Med, Cincinnati, OH; Monika M Safford, James D Rhodes, Univ of Alabama-Birmingham, Birmingham, AL; Mary Cushman, Univ of Vermont, Burlington, VT; Claudia S Moy, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Elsayed Z Soliman, Wake Forest Univ Sch of Med, Winston-Salem, NC; George Howard, Univ of Alabama-Birmingham, Birmingham, AL; for the REGARDS Investigators

8:48 Declining Stroke Recurrence Rates in Secondary Prevention Trials Over the Past 50 Years and Consequences for Current Trial Design
Keun-Sik Hong, Ilsan Paik Hosp, Inje Univ, Goyang, Republic of Korea; Sharon Yegiaian, UCLA Stroke Ctr, Univ of California, Los Angeles, Los Angeles, CA; Meng Lee, Chang Gung Memorial Hosp, Chang Gung Univ Coll of Med, Chang Gung, Taiwan; Jeffrey L Saver, UCLA Stroke Ctr, Univ of California, Los Angeles, CA

9:00 Racial Disparities in Awareness and Treatment of Atrial Fibrillation: The Reasons for Geographic and Racial Differences in Stroke Study
James F Meschia, Mayo Clinic, Jacksonville, FL; Peter Merrill, Univ of Alabama at Birmingham, Birmingham, AL; Elsayed Z Soliman, Wake Forest Univ, Winston-Salem, NC; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; Kevin M Barrett, Mayo Clinic, Jacksonville, FL; Neil A Zakai, Univ of Vermont, Burlington, VT; Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH; Monika Safford, George Howard, Univ of Alabama at Birmingham, Birmingham, AL

9:12 Risk Standardized 30-Day Mortality and 30-Day Readmission After Ischemic Stroke by Hospital Referral Region in the United States: 1999-2005
Judith H Lichtman, Emi Watanabe, Yun Wang, Sara B Jones, Harlan M Krumholz, Yale Sch of Med, New Haven, CT; Larry B Goldstein, Duke Univ and Durham VAMC, Durham, NC

9:24 Discussion

Session XI: Concurrent F Oral Abstracts: Acute Management II Room 217
Moderator: James C Grotta, MD, FAHA, Houston, TX

8:00 Very Low Cerebral Blood Volume Predicts Hemorrhagic Transformation Better Than Diffusion Lesion Volume in Acute Ischemic Stroke
Bruce C Campbell, Dept of Neurology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Soren Christensen, Dept of Radiology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Mark W Parsons, Dept of Neurology and Hunter Medical Res Inst, John Hunter Hosp, Univ of Newcastle, Newcastle, Australia; Patricia M Desmond, Dept of Radiology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; P Alan Barber, Ctr for
Brain Res, Univ of Auckland, Auckland, New Zealand; Kenneth S Butcher, Div of Neurology, Univ of Alberta, Edmonton, AB, Canada; Christopher R Levi, Dept of Neurology and Hunter Medical Res Inst, John Hunter Hosp, Univ of Newcastle, Newcastle, Australia; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hospital Campus, Singapore; Maarten G Lansberg, Michael Mlynash, Jean-Marc Olivot, Roland Bammer, Gregory W Albers, Stanford Univ, Stanford, CA; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Dept of Neurology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; on behalf of the EPITHET-DEFUSE Investigators

8:12 Efficacy of Site Independent Telemedicine: Pooled Analysis of the STRokE DOC and STRokE DOC-AZ Telemedicine Stroke Trials
Bart M Demaerschalk, Mayo Clinic Arizona, Phoenix, AZ; Rema Raman, Karin Ernststrom, Brett C Meyer, Univ California San Diego, San Diego, CA; – for the STRokE DOC and STRokE DOC-AZ Investigators, Univ California San Diego and Mayo Clinic Arizona, San Diego, CA and Phoenix, AZ

8:24 Intravenous Thrombolysis Plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L): Final Results
Thomas M Hemmen, Rema Raman, UCSD Medical Ctr, San Diego, CA; Joao A Gomez, Hartford Hosp, Hartford, CT; Salvador Cruz-Flores, Saint Louis Univ, Saint Louis, MO; Christine A Wijman, Stanford Univ, Palo Alto, CA; Karen S Rapp, UCSD Medical Ctr, San Diego, CA; Jim C Grotta, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Patrick D Lyden, Cedars Sinai Medical Ctr, Los Angeles, CA

8:36 Effect of Pretreatment With Intravenous Tissue Plasminogen Activator (tPA) on Revascularization in the Merci Registry
Helmi L Lutsep, Jeremy D Fields, Oregon Stroke Ctr OHSU, Portland, OR; Marilyn M Rymer, St Luke's Hosp, Kansas City, KS; Wade S Smith, Univ of California, San Francisco, San Francisco, CA

8:48 The Upper Time Limit of DWI Positive- FLAIR Negative MRI in Witnessed-Onset Acute Ischemic Strokes is Less Than 6 hours: Implications for the Design of Wake-up Stroke Treatment Trials
Shlee S Song, Carsten H Ritter, Katherine D Ku, Lawrence L Latour, Steven Warach, Natl Inst of Neurological Disorders and Stroke, Natl Insst of Health, Bethesda, MD; NINDS Natural History of Stroke Investigators

9:00 Recanalization and Outcome After Endovascular Therapy in Acute Basilar Artery Occlusion: The Basilar Artery International Cooperation Study (BASICS)
Mikayel Grigoryan, Christine A Wijman, Stanford Stroke Ctr, Palo Alto, CA; Jan-Albert Vos, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Michael Mlynash, Michael P Marks, Stanford Stroke Ctr, Palo Alto, CA; Wouter J Schonewille, Univ Medical Ctr Utrecht, Utrecht, Netherlands; On behalf of the BASICS Investigators
9:12 Time Dependent Response to Treatment With Intravenous rtPA for Stroke: An Updated Pooled Analysis of ECASS, ATLANTIS and NINDS Stroke Trials

Kennedy R Lees, Univ of Glasgow Faculty of Med, Glasgow, United Kingdom; Erich Bluhmki, Boehringer Ingelheim GmbH, Ingelheim, Germany; Danilo Toni, Dept of Neurological Sciences, Univ “La Sapienza”, Rome, Italy; Ruediger von Kummer, Technische Univ, Dresden, Germany; John Marler, NINDS, Bethesda, MD; Thomas G Brott, Mayo Clinic, Jacksonville, FL; Markku Kaste, Dept of Neurology, Helsinki Univ Central Hosp, Helsinki, Finland; James C Grotta, Univ of Texas-Houston Medical Sch, Houston, TX; Gregory W Albers, Stanford Univ, Stanford, CA; Scott Hamilton, Stanford Univ, Palo Alto, CA; Barbara C Tilley, Univ of Texas Health Science Ctr, Sch of Public Health, Houston, TX; Werner Hacke, Dept of Neurology, Univ of Heidelberg, Heidelberg, Germany; for the ECASS I-III, ATLANTIS and NINDS Investigators

9:24 Discussion

9:30 am – 9:45 am

Short Break

9:45 am – 11:15 am

Session XII: Concurrent Symposia A

Crossing the Barrier: Drug Delivery to the Ischemic Brain
Room 217

Moderators: Midori A Yenari, MD, FAHA, San Francisco, CA Thomas P Davis, MD, Tucson, AZ

9:45 Physiology and Pathology of the BBB
Thomas P Davis, MD, Tucson, AZ

10:04 Imaging the BBB in Stroke
Gary A Rosenberg, MD, Albuquerque, NM

10:23 Clinical Challenges of Drug Delivery to the Brain
Edward Neuwelt, MD, Portland, OR

10:42 Therapeutic Targets in the Ischemic Brain
Thomas J Abbruscato, PhD, Amarillo, TX

11:00 Discussion

Session XII: Concurrent Symposia B

Comprehensive Stroke Centers: The Future of Stroke Care
Grand Ballroom C1

Moderators: Mark J Alberts, MD, FAHA, Chicago, IL Adnan I Qureshi, MD, FAHA, Minneapolis, MN

9:45 Comprehensive Stroke Centers: An Overview
Mark J Alberts, MD, FAHA, Chicago, IL

10:04 Interaction Between Primary and Comprehensive Stroke Centers and the Community: Theoretical and Practical Models
Pooja Khatri, MD, Cincinnati, OH

10:23 Endovascular Component in the Comprehensive Stroke Center: Policies, Standards and Oversight
Adnan I Qureshi, MD, FAHA, Minneapolis, MN

10:42 Neurosurgical Component in the Comprehensive Stroke Center: Policies, Standards and Oversight
Kevin Cockroft, MD, MSc, FACS, Hershey, PA

11:00 Discussion
Session XII: Concurrent Symposia C
Stroke and the Law: Legal Issues in Cerebrovascular Disease
Ballroom B

Moderators: Mark Fisher, MD, Irvine, CA
John Cole, MD, MSEE, Baltimore, MD

9:45 Principles of Legal Medicine in Stroke
Mark Fisher, MD, Irvine, CA

10:04 tPA Use and Legal Aspects of Acute Stroke Treatment
Justin Zivin, MD, PhD, FAHA, La Jolla, CA

10:23 Guidelines for Expert Witnesses
Michael Williams, MD, FAAN, Baltimore, MD

10:42 Legal Considerations in Telemedicine Involving Stroke Care
Max Reynolds, JD, Oakland, CA

11:00 Discussion

Session XII: Concurrent D
Oral Abstracts: Carotid Revascularization
Room 214

Moderator: Lee R Gutreman, MD, PhD, Buffalo, NY

9:45 Risk of Early Carotid Endarterectomy for Symptomatic Carotid Stenosis
Waleed Brinjikji, Giuseppe Lanzino, Alejandro A Rabinstein, Fredrick Meyer, David Piepgras, Mayo Clinic, Rochester, MN

9:57 Outcomes of Carotid Stenting and Predictors of Stroke in a Large, Multi-center Post-market Clinical Trial
Seemant Chaturvedi, Wayne State Univ, Detroit, MI; William A Gray, Columbia Univ, New York, NY; Chuanbo Xu, Patrick Verta, Abbott Vascular, Santa Clara, CA; For the Executive Committee

10:09 Early Treatment Tends to Have a Higher Risk After Carotid Stenting Compared to Endarterectomy in the Space Trial
Peter A Ringleb, Dept of Neurology, Heidelberg, Germany; Juergen Marx, Dept of Neurology, Mainz, Germany; Kurt Niederkorn, Dept of Neurology, Graz, Austria; Robert Stingele, Dept of Neurology, Kiel, Germany; For the SPACE study group

10:21 The Importance of Early Carotid Endarterectomy After Transient Ischemic Attack
Mai N Nguyen-Huynh, UCSF, San Francisco, CA; Stephen Sidney, Jeff Klingman, Div of of Res, Kaiser Permanente Medical Care Program, Oakland, CA; S Claiborne Johnston, UCSF, San Francisco, CA

10:33 How Many Strokes Can Be Attributed to Carotid Stenosis?
Matthew L Flaherty, Brett Kissela, Kathleen Alwell, Charles J Moomaw, Jane Khoury, Daniel Woo, Pooja Khatri, Simona Ferioli, Opeolu Adeoye, Joseph P Broderick, Dawn Kleindorfer, Univ Cincinnati, Cincinnati, OH

10:45 Clinical and Angiographic Outcomes From Indirect Revascularization Surgery for Moyamoya Disease: EDAS and Bur Holes – A Review of 63 Procedures
Joshua R Dusick, Nestor R Gonzalez, Neil A Martin, UCLA, Los Angeles, CA
10:57 Cerebral Metabolism Measured by 18-FDG-PET Improves Over Time in Patients Following Carotid Endarterectomy
MAngeš Font, Imma Rico, Hosp Univri de Bellvitge/IDIBELL, Barcelona, Spain; Alex Fernandez, Cristina Gamez, IDI Bellvitge, Barcelona, Spain; Jerzy Krupinski, Hosp Univ Mútua de Terrassa/Manchester Univ, Terrassa/Manchester, Spain

11:09 Discussion

Session XII: Concurrent E
Oral Abstracts: Experimental Mechanisms and Models II
Grand Ballroom C3

Moderators: Jeffrey M Gidday, PhD, FAHA, Saint Louis, MO
Paco Herson, PhD, Portland, OR

9:45 Efficacy of Combined Tissue Plasminogen Activator and Annexin 2 in Embolic Stroke Rats: An MRI Study
Yoji Tanaka, Timothy Q Duong, UT Health Science Ctr, RIC, San Antonio, TX

9:57 Phosphoinositide 3-kinase Gamma and Delta Isoform, a Promising Novel Target for the Treatment of Ischemia-reperfusion Brain Injury
Rong Jin, Daniel P Deasis, Prashant Chittiboina, Anil Nanda, Dept of Neurosurgery, Shreveport, LA; D Neil Granger, Dept of Physiology, Shreveport, LA; Guohong Li Dr, Dept of Neurosurgery, Shreveport, LA

10:09 Inhibition of Calcium/Calmodulin Dependent Protein Kinase Kinase is Detrimental in Experimental Stroke
Jun Li, Sharon Dimauro, Matthew Janczyk, Louise McCullough, Univ of Connecticut Health Ctr, Farmington, CT

10:21 Mash1 Lineage Cells Contribute to Ischemia Induced Neurogenesis and Oligodendrogenesis
Ruilan Zhang, Michael Chopp, Longfei Jiang, Cindi Roberts, Mei Wei, Zheng Gang Zhang, Henry Ford Hosp, Detroit, MI

10:33 RBC Coupled tPA Prevents Impairment of Hypercapnic and Hypotensive Cerebrovasodilation After Piglet Photothrombosis Through Inhibition of JNK and Potentiation of p38 MAPK

10:45 MyD88-dependent IL-23 Production From Infiltrated Macrophages and IL-17 From γδ T Cells Exacerbate Brain Infarction
Takashi Shichita, Dept of Microbiology and Immunology, Sch of Med, Keio Univ, Tokyo, Japan; Hiroaki Ooboshi, Dept of Internal Med, Fukushima Dental Coll Medical and Dental Hosp, Fukushima, Japan; Takashi Kobayashi, Yuki Sugiyama, Dept of Microbiology and Immunology, Sch of Med, Keio Univ, Tokyo, Japan; Hiroshi Sugimori, Mitsuo Iida, Dept of Med and Clinical Science, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan; Akihiko Yoshimura, Dept of Microbiology and Immunology, Sch of Med, Keio Univ, Tokyo, Japan

10:57 Hypothermia Modulates Apoptosis-Inducing Factor (AIF) Activation in the Ischemic Neonatal Rat Brain
Rand Askalan, Carol Xiaoxi Wang, Hui Shi, Hosp for Sick Children, Toronto, ON, Canada; Edward Armstrong, Jerome Yager, Stollery Children’s Hosp, Edmonton, AB, Canada

11:09 Discussion
Session XII: Concurrent F
Oral Abstracts: Outcomes, Quality and Health Services Research II
Grand Ballroom C2

Moderators: Linda Williams, MD, FAHA, Indianapolis, IN
Pierre Amarenco, MD, FAHA, FAAN, Paris, France

9:45 National Stroke Awareness Campaign Increases Early Stroke Presentation and Numbers Thrombolysed

Dulka Manawadu, Laszlo Sztriha, Jeff Keep, Maria Fitzpatrick, Jozef Jarosz, Lalit KaIrA, King’s Coll Hosp, London, United Kingdom

9:57 Do All Ischemic Stroke Subtypes Benefit From Stroke Unit Admission?

Khalid A Hassan, St Michael’s Hosp, Toronto, ON, Canada; Eric E Smith, Calgary Stroke Program, Dept of Clinical Neurosciences, Hotchkiss Brain Inst, Univ of Calgary, Calgary, AB, Canada; Daniel Selchen, Stroke Res Unit, Div of Neurology, St Michael’s Hosp, Toronto, ON, Canada; Jiming Fang, Inst of Clinical Evaluative Sciences, Toronto, ON, Canada; Moira Kapral, Inst of Clinical Evaluative Sciences, Dept of Health Policy, Management and Evaluation, Univ of Toronto, Toronto, ON, Canada; Gustavo Saposnik, Stroke Res Unit, Div of Neurology, Dept of Med, St Michael’s Hosp, Univ of Toronto, Inst of Clinical Evaluative Sciences, Toronto, ON, Canada, Dept of Health Policy, Management and Evaluation, Univ of, Toronto, ON, Canada; Investigators of the Registry of the Canadian Stroke Network for the Stroke Outcome Research Canada


Xin Tong, Elena V Kuklina, Mary G George, CDC, Atlanta, GA

10:21 A Comprehensive Profile of Outcomes in a Population of Acute Ischemic Stroke Patients

Kamakshi Lakshminarayan, David C Anderson, Univ of Minnesota, Minneapolis, MN; Gabriela Vazquez, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Candace Schissel, David R Jacobs Jr, Russell V Luepker, Beth A Virmig, Univ of Minnesota, Minneapolis, MN

10:33 The Prevalence of Anticoagulation With Warfarin and Its Effects on Risk of Stroke and Medical Costs in Medicare Beneficiaries With Atrial Fibrillation

Stephen D Sander, Boehringer Ingelheim Pharmaceuticals, Inc, Ridgefield, CT; Catherine J Williams, Michael Ciarametaro, Beth Hahn, George Chalissery, Matthew W Reynolds, United BioSource Corp, Bethesda, MD; Gregory P Samsa, Ctr for Clinical Health Policy Res, Duke Univ Medical Ctr, Durham, NC; David B Matchar, Dept of Med, Duke Univ Medical Ctr, Durham, NC

10:45 Reliability of GWTG Stroke Data Abstractions

Alice Liskay, Siobhan Martin, Nancy Konrad, MetroHealth Medical Ctr, Cleveland, OH; Irene Katzan, Cleveland Clinic Founda, Cleveland, OH

10:57 Participation of Women and Minorities in NINDS Stroke Trials

James F Burke, Devin L Brown, Lynda D Lisabeth, Brisa N Sanchez, Lewis B Morgenstern, Univ of Michigan, Ann Arbor, MI

11:09 Discussion
11:15 am – 11:30 am
Short Break

11:30 am – 1:00 pm
Session XIII: Plenary Session II
Late-Breaking Science Oral Abstracts
Ballroom A

Moderators: James C Grotta, MD, FAHA, Houston, TX
Krya Becker, MD, Seattle, WA

11:30 Introduction of the David G Sherman Lecture
The TIA Saga
J Donald Easton, MD, FAHA, Providence, RI

12:00 Cilostazol Shows Superiority to Aspirin for Secondary Stroke Prevention: Results of CSPS II
Yukito Shinohara, Dept of Neurology, Federation of Natl Public Service Personnel Mutual Aid Associations Tachikawa Hosp, Tokyo, Japan; Yukito Shinohara, for the CSPS II group

12:15 Dabigatran Compared to Warfarin in Patients with Atrial Fibrillation and Prior TIA or Stroke: Results of RE-LY
Hans-Christoph Diener, Dept of Neurology, Univklinikum Essen, Essen, Germany; Stuart Connolly, Population Health Res Inst, Hamilton, ON, Canada; Michael D Ezekowitz, Lankenau Inst for Medical Res and the Heart Ctr, Wynnewood, PA; Salim Yusuf, Population Health Res Inst, Hamilton, ON, Canada; Lars Wallentin, Upsalla Clinical Res Ctr, Upsala, Sweden; Jeanne Varrone, Susan Wang, Paul Reilly, Boehringer-Ingelheim, Ridgefield, CT; RE-LY Steering Committee and Investigators

12:30 Randomized Trial of Robot-Assisted Rehabilitation for Chronic Stroke
Univ of Washington, Seattle, WA; Grant D Huang, Cooperative Studies Program Central Office, VA Office of Res and Development, Washington, DC; Peter Peduzzi, VA Cooperative Studies Program Coordinating Ctr, VA Connecticut Healthcare System, West Haven, CT

12:45 The Randomized Carotid Revascularization Endarterectomy vs Stenting Trial (CREST): Primary Results
Thomas G Brott, Mayo Clinic, Jacksonville, FL; Gary Roubin, Lenox Hill Hosp, New York, NY; George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Wayne M Clark, Oregon Health Science Univ, Portland, OR; William Brooks, Central Baptist Hosp, Lexington, KY; Ariane Mackey, Hop de L’Enfant Jesus, Quebec City, QC; Alice J Sheffet, UMDNJ-New Jersey Medical Sch, Newark, NJ; Virginia Howard, Jenifer Voeks, Univ of Alabama at Birmingham, Birmingham, AL; James F Meschia, Mayo Clinic, Jacksonville, FL; Brajesh K Lal, Univ of Maryland, Baltimore, MD; Donald Cutlip, Harvard Clinical Res Inst, Boston, MA; Wesley S Moore, Univ of California at Los Angeles, Los Angeles, CA; for the CREST Investigators

1:00 ADJOURN

International Stroke Conference 2011

Thank you for attending the International Stroke Conference 2010! Please don’t forget these important dates for the International Stroke Conference 2011:

CALL FOR SCIENCE

Submit Session Ideas
Suggested Session Submitter Opens: Monday, February 22, 2010
Suggested Session Submitter Closes: Monday, March 22, 2010

Submit Abstracts
Abstract Submission Opens: Tuesday, May 25, 2010
Abstract Submission Closes: Tuesday, July 20, 2010

Submit Late-Breaking Science and Ongoing Clinical Trials Abstracts
LB & OGCT Submission Opens: Tuesday, October 5, 2010
LB & OGCT Submission Closes: Tuesday, October 26, 2010

FRIDAY, FEBRUARY 26

1:30 pm - 3:30 pm

Grand Hyatt Hotel:

Join us for an exciting post-conference symposium that will analyze newly breaking data on the merits of carotid endarterectomy and carotid artery stenting. The results of one of the largest government-sponsored clinical trials (CREST*) comparing the two procedures will be discussed and assessed. This special post-conference symposium will evaluate its results in context with other recent trials and focus on how the results of CREST and similar trials should affect clinical practice, particularly as they relate to patient subgroups.
The Carotid Revascularization Endarterectomy versus Stenting Trial (CREST) is a prospective, randomized, multicenter clinical trial of CEA versus CAS as prevention for stroke in patients with symptomatic or asymptomatic carotid stenosis.

Moderators: Steven M Greenberg, MD, PhD, Boston, MA  
Mary (Lee) Jensen, MD, Charlottesville, VA

1:30 View From the CREST: New Findings in Context  
Thomas G Brott, MD, Jacksonville, FL

2:00 What Have We Learned from Stenting Trials?  
Martin M Brown, MD, FRCP, FAHA, London, United Kingdom

2:30 A Critical Review of Carotid Treatment  
Peter Rothwell, MD, PhD, FRCP, Oxford, United Kingdom

3:00 Panel Discussion

This post-conference symposium is free to registered attendees of the International Stroke Conference. Seating is limited to 200 people, so please only register for this post-conference symposium if you can attend.

Continuing Medical Education Accreditation – Physicians

The American Heart Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Heart Association designates this educational activity for a maximum of 2.00 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Abbott Vascular  
The International Stroke Conference 2010 Post-Conference Symposium is supported through an educational grant by Abbott Vascular.
POSTER ABSTRACT PRESENTATIONS

POSTER SESSION I
WEDNESDAY, FEBRUARY 24
12:45 PM – 1:45 PM
Exhibit Hall A

POSTER SESSION II
WEDNESDAY, FEBRUARY 24
5:30 PM – 6:30 PM
Exhibit Hall A

POSTER SESSION III
THURSDAY, FEBRUARY 25
12:45 PM – 1:45 PM
Exhibit Hall A

POSTER SESSION IV
THURSDAY, FEBRUARY 25
5:30 PM – 6:30 PM
Exhibit Hall A

NEW THIS YEAR: PROFESSOR-LED POSTER TOURS

During the ISC 2010 poster sessions, there will be professor-led tours 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 3 minutes to present the highlights of his or her work, followed by 2 minutes for a Q&A from attendees. There are 11-12 different poster tours to select from during each Poster Session.

To be a part of a poster tour, just decide which section/category of posters you would like to attend during each of the four poster sessions. Five–ten minutes prior to the poster session start time, simply go to the correspondingly numbered “Section” sign for that category/section of posters.

For the most current poster moderator information, please check the online Program Planner on the ISC Web site at strokeconference.org.
POSTER SESSION I
WEDNESDAY, FEBRUARY 24
12:45 pm – 1:45 pm

Nursing Symposium Posters I
P1 – P12

SECTION 1

Moderator:  Lisa Davis, MSN, RN, CCRC, Bethesda, MD

P1
Adherence to Stroke Quality Indicators in Colorado: Monitoring Temporal Trends by Sharing a Common Dataset
Don B Smith, Colorado Neurological Inst, Denver, CO; Paul Murphy, Colorado Stroke Alliance, Denver, CO; William J Jones, Univ of Colorado Health Sciences Ctr, Aurora, CO; Connie Zachrich, Littleton Adventist Hosp, Littleton, CO; Pam Elser, Boulder Community Hosp, Denver, CO; F Michael Vislosky, St Mary Corwin Regional Medical Ctr, Pueblo, CO; Kathryn Leonard, Swedish Medical Ctr, Englewood, CO; Mary Paulsen, American Stroke Association, Phoenix, AZ; Marsha Wilde, Colorado Dept Public Health and Environment, Denver, CO

P2
Reducing Falls in the Stroke Population of an Acute Care Hospital: A Performance Improvement Approach
Deborah Stuart, Julie Rairigh-Wolfenbarger, Christy Jennings, Joe Tidwell, Debbie Coggins, Aubrey Reed, Donna Rose, UT Medical Ctr, Knoxville, TN

P3
Redesigning Stroke Education Using a Health Literacy Approach
Erin Supan, Margaret Stecker, Natalie Rudd, Barbara Lombardo, Univ Hosp – Case Medical Ctr, Cleveland, OH; Emily Johnson, Frances Payne Bolton Sch of Nursing – Case Western Reserve Univ, Cleveland, OH; Leigh Ann McCartney, Cathy Sila, Univ Hosp – Case Medical Ctr, Cleveland, OH

P4
Increasing Registered Nurse IV rt-PA Administration Competency
Karen Yarbrough, Tina Randall, Brigid Blaber, UMMC, Baltimore, MD

P5
Effectiveness of a Statewide Stroke Coordinator Network: The Maryland Stroke Center Consortium
Karen L Yarbrough, UMMC, Baltimore, MD; Maryland Stroke Center Consortium

P6
Interprofessional Stroke Orientation for Community Stroke Rehabilitation Teams
Gina Tomaszewski, Univ Hosp, LHSC, London, Ontario, Canada, ON, Canada; Monique Crites, Parkwood Hosp, London, Ontario, Canada, ON, Canada; Paula Gilmore, Univ Hosp, LHSC, London, Ontario, Canada, ON, Canada; Doris Noble, Huron Perth District Stroke Ctr, Stratford, Ontario, Canada, ON, Canada; Mary Solomon, Grey Bruce District Stroke Ctr, Owen Sound, Ontario, Canada, ON, Canada; Deb Willems, Univ Hosp, LHSC, London, Ontario, Canada, ON, Canada

P7
The Sleep-stroke Connection
Michael Bajkowski, Marilyn Rymer, Debbie Summers, Joyce Dorssom, Saint Luke’s Hosp of Kansas City, Kansas City, MO
P8 Can CT Perfusion More Accurately Predict Vasospasm in Subarachnoid Hemorrhage?
Joyce Philip, Joseph Ortega, Thomas Goodsell, Ernesto Perez-Mir, Jovy Reyes, Michael Marquez, Jersey Tsai, New York Presbyterian Hosp, New York, NY

P9 Using Stroke as an Educational Platform to Expand Neurologic Expertise in Non-neuroscience Nurses Across a Healthcare System
Margaret Stecker, Jobyna D Schuppenhauer, Univeristy Hosp Case Medical Ctr, Cleveland, OH; Mary Beth Rauzi, Univeristy Hosp Richmond Medical Ctr, Richmond Heights, OH; Christine Garrett, Univeristy Hosp Bedford Medical Ctr, Bedford, OH; Natalie Rudd, Linda Smith, Erin Supan, Leigh Ann McCartney, Cathy Sila, Univeristy Hosp Case Medical Ctr, Cleveland, OH

P10 Role of Nursing in Implementing Telesstroke Hub and Spoke Model
Tammy Cress, Sherene Schlegel, Swedish Medical Ctr, Seattle, WA; Jessica Bell, Skagit Valley Medical Ctr, Mount Vernon, WA; Terri Camp, Jefferson Healthcare, Port Townsend, WA; Tom Fagerholm, Deborah King, Swedish Medical Ctr, Seattle, WA; Donna McCabe, Skagit Valley Medical Ctr, Mount Vernon, WA; Kerry Stewart, Lake Chelan Community Hosp, Chelan, WA

P11 Got Lipids?
Laurie Paletz, Sonia Guerra, Cedars Sinai Med Ctr, Los Angeles, CA

P12 Developing a Statewide Strategy to Improve Primary Stroke Center Compliance for Stroke Education
Karen Yarbrough, UMMC, Baltimore, MD; Rhonda Chatmon, American Heart Association, Baltimore, MD; Maryland Stroke Center Consortium

Acute Management Posters IA P13 – P24

SECTION 2

P13 Safety & Efficacy of Thrombolysis in Ischemic Stroke Patients Aged 80 Years or Older: Comparison With Less Than 80 Years
Wook-Joo Kim, Moon-Ku Han, O-Ki Kwon, Chang Wan Oh, Cheolkyu Jung, Myung Suk Jang, Mi Hwa Yang, Seoul Natl Univ Bundang Hosp, Seongnam-si, Korea, Republic of; Jung Hyun Park, Dongguk Univ Gyeongju Hosp, Gyeongju, Korea, Republic of; Youngchae Ko, Chungbuk Natl Univ Coll of Med, Chungbuk, Korea, Republic of; Ji Sung Lee, Juneyoung Lee, Korea Univ Coll of Med, Seoul, Korea, Republic of; SangYun Kim, Seong Ho Park, Hee-Joon Bae, Seoul Natl Univ Bundang Hosp, Seongnam-si, Korea, Republic of

Hiroyuki Kawano, Dept of Neurology, Stroke Ctr, Saiseikai Kumamoto Hosp, Kumamoto, Japan; Teruyuki Hirano, Dept of Neurology, Graduate Sch of Medical Sciences, Kumamoto Univ, Kumamoto, Japan; Yuichiro Inatomi, Dept of Neurology, Stroke Ctr, Saiseikai Kumamoto Hosp, Kumamoto, Japan; Tadasaki Terasaki. Dept of Neurology, Japanese Red Cross Kumamoto Hosp, Kumamoto, Japan; Toshiro Yonehara, Dept of
P15 Validation of the Malignant Profile in the DEFUSE-EPITHET Pooled Database
Jun Lee, Maarten G Lansberg, Michael Mlynash, Stanford Univ, Stanford, CA; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Matus Straka, Stanford Univ, Stanford, CA; Bruce C Campbell, Univ of Melbourne, Melbourne, Australia; Roland Bammer, Jean-Marc Olivot, Stanford Univ, Stanford, CA; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Gregory W Albers, Stanford Univ, Stanford, CA; on behalf of the DEFUSE-EPITHET Investigators

P16 A Closer Look at Reperfusion and Outcomes in PENUMBRA Trial vs Systemic tPA: Comparisons With Historic Controls From Randomized Trials With Ultrasound Assessment of Reperfusion
Andrei V Alexandrov, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL; Peter D Schellinger, Dept of Neurology, Univ Hosp of Erlangen, Erlangen, Germany; Maher Saqquir, 3Div of Neurology, Univ of Alberta Medical Sch, Edmonton, AB, Canada; Andrew D Barreto, Stroke Team, Univ of Texas-Houston Medical Sch, Houston, TX; Andrew M Demchuk, Calgary Stroke Program, Dept of Clinical Neurosciences, Univ of Calgary, Calgary, AB, Canada; Marc Ribo, Marta Rubiera, Dept of Neurology, Hosp Univri Vall d’Hebron, Univ Autonoma de Barcelona, Barcelona, Spain; Vilay K Sharma, Div of Neurology, Dept of Med, Natl Univ Hosp, Singapore, Singapore; Anne W Alexandrov, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL; Carlos A Molina, Dept of Neurology, Hosp Univri Vall d’Hebron, Univ Autonoma de Barcelona, Barcelona, Spain; Georgios Tsivgoulis, Dept of Neurology, Democritus Univ of Thrace, Sch of Med, Alexandroupolis, Greece

P17 Prominent Loss of Clinical Benefit Among Patients With Acute Ischemic Stroke Treated With Endovascular Treatment After 6 Hours of Symptom Onset
Jefferson T Miley, Gabriela Vazquez, Muhammad Zeeshan Memon, Haitham M Hussein, Mustaq H Qureshi, M Fareed Suri, Robert A Taylor, Ramachandra P Tummala, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P18 Bridging IV-IA Rescue Increases Recanalization and Likelihood of Good Outcome in Non-Responder IV-tPA Treated Patients: A Case-Control Study
Marta Rubiera, Marc Ribo, Jorge Pagola, Francisco Romero, Olga Maisterra, David Rodriguez-Luna, José Alvarez-Sabin, Carlos Molina, Hosp Vall d’Hebron, Barcelona, Spain

P19 Combined Intravenous and Intra-arterial Therapy in Acute Anterior Circulation Stroke: Comparison of IV Bridging Within 3 Hours versus 3-4.5 Hours From Symptom Onset
Vivek Misra, Ramy El Khoury, Indrani Acosta, Anitha Abraham, Oleg Chernyshev, Peng R Chen, Shuichi Suzuki, Nusrat Harun, Nicole R Gonzales, Andrew D Barreto, James C Grotta, Sean I Savitz, UT Med Sch at Houston, Houston, TX
P20
Temporary Endovascular Bypass in Acute Stroke: Experience After 50 Patients
Thomas Liebig, Hannah Lockau, Sonja Stehle, Franziska Dorn, Sascha Prothmann, rd1 – TU Munich, Munich, Germany; Hans H Henkes, Katharinenhospital, Stuttgart, Germany

P21
Combined Cardiac Catheterization and Therapeutic Hypothermia Following Cardiac Arrest is Feasible and Safe
Leonardo M Batista, Fabricio O Lima, James L Januzzi Jr, Vivian Donahue, Colleen Snydeman, David M Greer, Massachusetts General Hosp, Boston, MA

P22
Failure of Mechanical Clot Retrieval to Affect Poor Outcome Associated With Large Thrombus Burden
Andrew D Barreto, James C Grotta, Nicole R Gonzales, Shuichi Suzuki, Vivek Misra, Univ of Texas – Houston, Houston, TX; Digvijaya Navalkele, Univ of Texas-Southwestern Dallas, Dallas, TX; Rohan Arora, Drexel Univ, Philadelphia, PA; P Roc Chen, Nusrat Harun, Sean I Savitz, Univ of Texas – Houston, Houston, TX

P23
Bringing Forward Reperfusion With Oxygenated Blood Perfusion Beyond Arterial Occlusion During Endovascular Procedures in Acute Ischemic Stroke Patients
Marc Ribo, Carlos Molina, Marta Rubiera, Jorge Pagola, David Rodriguez-Luna, Pilar Meler, Alan Flores, José Alvarez-Sabin, Hosp Vall d’Hebron, Barcelona, Spain

P24
Validation of Transcranial Doppler Criteria for Possible Rescue Interventional Therapy: A Multiple Center Prospective Study
Maher Saqqur, Univ of Alberta Hosp, Edmonton, AB, Canada; Vijay K Sharma, Natl Univ Hosp, Singapore, Singapore; Georgios Tsivgoulis, Univ of Alabama, Birmingham, AL; Carol Derksen, Joseph Sebastian, Univ of Alberta Hosp, Edmonton, AB, Canada; Andrew Barreto, Univ of Texas, Houston, TX; Mohammad Ibrahim, Univ of Alberta Hosp, Edmonton, AB, Canada; Carlos A Molina, Hosp Vall d’Hebron, Barcelona, Spain; Thang Nguyen Huy, Univ of Alabama, Birmingham, AL; Andrew Demchuk, Univ of Calgary, Calgary, AB, Canada; Khurshid Khan, Univ of Alberta Hosp, Edmonton, AB, Canada; Marta Rubiera, Hosp Vall d’Hebron, Barcelona, Spain; Ashfaq Shuaib, Univ of Alberta Hosp, Edmonton, AB, Canada; Andrie Alexandrov, Univ of Alabama, Birmingham, AL; CLOTBUST Pro Investigators

Acute Management Posters IB P25 – P36

SECTION 3

Moderator: Chris Fanale, BS, MD, Englewood, CO

P25
Validity of Hemorrhage After Thrombolysis (HAT) Score for Predicting sICH in Patients With Acute Proximal Occlusions: Data From Randomized Trials of Ultrasound-enhanced Thrombolysis
Georgios Tsivgoulis, Comprehensive Stroke Ctr, Univ of Alabama at Birmingham Hosp, Birmingham, AL; Maher Saqqur, Div of Neurology, Univ of Alberta Medical Sch, Edmonton, AB, Canada; Andrew Barreto, Stroke Program, The Univ of Texas-Houston Medical Sch, Houston, TX; Andrew M Demchuk, Calgary Stroke Program, Dept of Clinical Neurosciences, Univ of Calgary, Calgary, AB, Canada; Marc Ribo, Marta Rubiera, Dept of Neurology, Hosp Univri Vall d’Hebron, Univ Autonoma
P26
Cilostazol Inhibits Early Neurological Deterioration in Patients With Acute Ischemic Stroke
Tomomi Nakamura, Tokyo Womens Medical Univ, Tokyo, Japan; Shinji Tsuruta, Itabashi Chuo Medical Ctr, Tokyo, Japan; Shinichiro Uchiyama, Tokyo Womens Medical Univ, Tokyo, Japan

P27
C-reactive Protein and Its Pharmacologic Reduction as Predictor of Outcome in the Early Treatment With Aspirin and Extended-release Dipyridamole versus Low Dose Aspirin Alone for TIA/Ischemic Stroke Within 24 Hour of Symptom-onset (EARLY-Trial)
Reinhard Dengler, Ralf Lichtinghagen, Medical Sch Hannover, Hannover, Germany; Helmut Schumacher, Boehringer Ingelheim, Ingelheim, Germany; Karin Weissenborn, Hans Worthmann, Medical Sch Hannover, Hannover, Germany

P28
Inflammatory Markers Changed Over Time After Acute Ischemic Stroke and Were Likely to Correlate With Stroke Severity and Outcome
Yue Tao Ma, Li Ping Liu, Xing Quan Zhao, Zhong Hua Yang, Yu Mei Zhang, Neurology Dept, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Hans Worthmann, Neurology Dept, Hannover Medical Sch, Hannover, Germany; Yong Jun Wang, Neurology Dept, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

P29
Two Years Experience From Finnish Telestroke Pilot Project 2007-2009
Tiina Sairanen, Turgut Tatlisumak, Seppo Soinila, Markku Kaste, Kirsi Rantanen, Satu Mustanoja, Markus Färkkilä, Helsinki Univ Central Hosp, Helsinki, Finland; Matti Nikkanen, Kuusankoski Regional Hosp, Kuusankoski, Finland; Ilkka Pieninkeroinen, Kymenlaakso Central Hosp, Kotka, Finland; Heikki Numminen, Tampere Univ Hosp, Tampere, Finland; Peter Baumann, Central Hosp of Lapland, Rovaniemi, Finland; Jussi Valpas, South Carelia Central Hosp, Lappeenranta, Finland; Tapio Kuha, Länsi-Pohja Central Hosp, Kemi, Finland; the Finnish Telestroke Task Force

P30
Effect of Combined Aspirin and Extended-release Dipyridamole versus Clopidogrel on Functional Outcome and Recurrence in Patients With Acute Ischaemic Stroke: A ProFESS Subgroup Analysis
Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom; Daniel Cotton, Boehringer Ingelheim, Ridgefield, CT; Renee H Martin, Yuko Palesch, Medical Univ of South Carolina, Charleston, SC; Salim Yusif, McMaster Univ, Hamilton, ON, Canada; Ralph Sacco, Univ of Miami, Miami, FL; Hans-Christoph Diener, Univ Duisburg-Essen, Essen, Germany; Conrado Estol, Neurological Ctr & Res Unit, Buenos Aires, Argentina; Robin Roberts, McMaster Univ, Hamilton, ON, Canada; Danilo Toni, Sapienza Univ of Rome, Rome, Italy

P31
High Sensitive C-Reactive Protein and Interleukin-6 but Interleukin-18 Levels Correlated With Cerebral Artery Stenosis
Yue Tao Ma, Xing Quan Zhao, Yu Mei Zhang, Li Ping Liu, Yi Long Wang, Yong Zhou, Yong Jun Wang, Neurology Dept, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China
P32
Telestroke in Northern Alberta, Canada: A Two Year Experience With Small Remote Hospitals
Khurshid A Khan, Ashfaq Shuaib, Univ of Alberta, Edmonton, AB, Canada; Tammy Whitaker, Univ of Alberta Hosp, Edmonton, AB, Canada; Patrick Crumblty, St Mary's Hosp, Camrose, AB, Canada

P33
Choline Precursors in Acute and Subacute Ischemic and Hemorrhagic Stroke: An Updated Meta-analysis of Randomized Controlled Trials
Meng Lee, Dept of Neurology, Chang Gung Memorial Hosp and Univ, Putzu, Taiwan; Amytis Towfighi, Dept of Neurology, USC, Los Angeles, CA; Jeffrey L Saver, Stroke Ctr and Dept of Neurology, UCLA, Los Angeles, CA

P34
Stroke Awareness Decreases Prehospital Delay After Acute Ischemic Stroke in Korea (PhD Study)

P35
Social Determinants of Emergent Neurological Evaluation in the Acute Stroke/TIA Patient
Margaret Doyle, Columbia Univ, New York, NY; Josh Stillman, Laura Evensen, Bernadette Boden-Albala, Columbia Univ, South Salem, NY

P36
Evaluation of TIA Patients in an Outpatient Clinic Using ABCD2 Score Results in Low Stroke Rate
Connie Wolford, Jean-Marc Olivot, Stanford Univ Hosp, Palo Alto, CA; James Castle, Northshore Univ HealthSystem, Evanston, IL; Gregory W Albers, Stanford Univ Hosp, Palo Alto, CA
SECTION 4

Moderator: Louis J Kim, MD, Seattle, WA

P37
Genome-wide Association Study of Intracranial Hemorrhage in Brain Arteriovenous Malformation (AVM) Patients
Helen Kim, Ludmila Pawlikowska, Shantel M Weinsheimer, Pui-Yan Kwok, UCSF, San Francisco, CA; Jonathan G Zaroff, Div of Res, Kaiser Permanente Northern California, Oakland, CA; Charles E McCulloch, William L Young, UCSF, San Francisco, CA; for the UCSF Brain AVM Study Project

P38
Gender Differences in Clinical Presentation and Treatment Outcomes in Moyamoya Disease
Nadia Khan, Achal S Achrol, Raphael Guzman, Robert Dodd, Teresa Bell-Stephens, Gary K Steinberg, Stanford Univ, Stanford, CA

P39
Cerebrovascular Dysplasia in Endoglin and Alk1 Haploinsufficient Mice After VEGF Stimulation: Evidence for a “Response-to-Injury” Hypothesis for Hereditary Hemorrhagic Telangiectasia
Qi Hao, Yiqian Zhu, Fanxia Shen, Guo-Yuan Yang, Hua Su, William L Young, Univ of California, San Francisco, CA

P40
Cellular and Molecular Changes During Hemodynamic Initiation of Intracranial Aneurysms in a Rabbit Model
Max Mandelbaum, Ling Gao, Sabareesh Natarajan, J Mocco, Adnan Siddiqui, Hui Meng, John Kolega, SUNY at Buffalo, Buffalo, NY

P41
Continued Progressive Aneurysm Development Despite Normalization of Flow Following Hemodynamic Insult
Hui Meng, Eleni Metaxa, SUNY at Buffalo, Buffalo, NY; Sabareesh K Natarajan, State Univ of New York, Buffalo, NY; Ling Gao, Daniel Swartz, Adnan H Siddiqui, John Kolega, SUNY at Buffalo, Buffalo, NY; J Mocco, Univ of Floriday, Gainesville, FL

P42
Energy Loss and Wall Shear Divergence: New Hemodynamic Parameters to Anticipate Aneurysm Rupture
Yuichi Murayama, Jikei Univ, Tokyo, Japan; Yi Qian, Waseda Univ, Tokyo, Japan; Hiroyuki Takao, Toshibihi Ishibashi, Jikei Univ, Tokyo, Japan; Kazuo UmezU, Waseda Univ, Tokyo, Japan

P43
Carotid Artery Sacrifice for Unclippable and Uncoilable Aneurysms: Endovascular Occlusion versus Common Carotid Artery Ligation
Dileep R Yavagal, Univ of Miami, Miller Sch of Med, Miami, FL; Mohamed Samy Elhammady, MD, Stacey Quintero Wolfe, MD, Hamad Farhat, MD, Mohammad Ali Aziz-Sultan, MD, Roberto C Heros, MD, Univ of Miami, Miami, FL

P44
Thromboembolic Complications and Response to Antiplatelet Therapy in Patients Undergoing Endovascular Stenting for Aneurysm Treatment
Gabor Toth, G Lee Pride, Robin Novakovic, Karen Matevosyan, Ravindra Sarode, Babu G Welch, UT Southwestern, Dallas, TX
P45
Predictors of Clinical and Angiographic Outcome Following Surgical or Endovascular Therapy of Very Large and Giant Intracranial Aneurysms
Tim E Darsaut, Nicole M Darsaut, Steven D Chang, Gerald D Silverberg, Lawrence M Shuer, Lu Tian, Robert L Dodd, Huy M Do, Michael P Marks, Gary K Steinberg, Stanford Medical Ctr, Stanford, CA

P46
Presence of Atherosclerosis in the Cervical and Cranial Arteries Affects the Clinical Outcome of Acute Cardioembolic Stroke

P47
High Prevalence of Intracranial Atherosclerosis in African Americans With Ischemic Cerebrovascular Events
Pratik Bhattacharya, Mahmoud Rayes, Majd Ibrahim, Aniel Majjhoo, Seemant Chaturvedi, Ramesh Madhavan, Andrew Xavier, Wayne State Univ, Detroit, MI

P48
Impact of Genetic Polymorphism of Adiponectin in Ischemic Stroke
Manabu Izumi, Ken Nagata, Daiki Takano, Akifumi Suzuki, Tatsuya Ishikawa, Junta Moroi, Tetsuya Maeda, Risako Fujiwara, Yukihiko Ono, Brain and Blood Vessels-Akita, Akita, Japan; Hiroshi Ito, Akita Univ Sch of Med, Akita, Japan

Carotid Revascularization Posters I  P49 – P60

SECTION 5

Moderator: Jeffrey Craig, MD, PhD, Winston-Salem, NC

P49
Predictors of Acute Clinical Deterioration in Stroke Patients Receiving Intravenous Low-dose rt-PA: A Multicenter Observational Study
Mayumi Mori, Masaki Naganuma, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Osaka, Japan; Yasushi Okada, Dept of Cerebrovascular Disease, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, Dept of Neurology, St Marianna Univ Sch of Med, Kawasaki, Japan; Yoshiaki Shiokawa, Depts of Neurosurgery and Stroke Ctr, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawara, Dept of Neurosurgery and Stroke Ctr, Nakanuma Memorial Hosp, Sapporo, Japan; Eisuke Furui, Dept of Stroke Neurology, Kohnan Hosp, Sendai, Japan; Kazumi Kimura, Dept of Stroke Med, Kawasaki Medical Sch, Kurashiki, Japan; Hiroshi Yamagami, Stroke Ctr, Kobe City Medical Ctr General Hosp, Kobe, Japan; Kazuomi Kario, Div of Cardiovascular Med, Dept of Med, Jichi Medical Univ Sch of Med, Shimotsuke, Tochigi, Japan; Satoshi Okuda, Dept of Neurology, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Masatoshi Koga, Japan
Kazuo Minematsu, Kazunori Toyoda, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Osaka, Japan

P50
The Experience With the Gore Flow Reversal in a European Multicenter Study
Christian Stock, Jennifer Franke, Tobias Schroeder, Nina Wunderlich, CardioVascular Ctr, Frankfurt am Main, Germany; B Reimers, Cardiology Dept Mirano Hosp, Mirano, Italy; W Reith, Klinik für Diagnostische und Interventionelle Neuroradiologie, Univklinikum des Saarlandes, Homburg/ Saar, Germany; D Scheinert, Dept of Angiology, Leipzig Heart Ctr, Leipzig, Germany; SH Duda, Ctr for Diagnostic Radiology and Minimally Invasive Therapy, The Jewish Hosp Berlin, Germany, Berlin, Germany; H Schroeder, Ctr for Diagnostic Radiology and Minimally Invasive Therapy, The Jewish Hosp Berlin, Berlin, Germany; K Mathias, Klinikum Dortmund, Dortmund, Germany; A Cremonesi, F Castriota, Interventional Cardio-Angiology Unit Villa Maria Cecilia Hosp Cotignola, Cotignola, Italy; H Dill, Kardiologisch-Angiologische Gemeinschaftspraxis Hamburg, Hamburg, Germany; J Formgren, M Delle, Södersjukhuset Stockholm, Stockholm, Sweden; P Plenizek, P Musialek, Dept of Cardiac Diseases, Jagiellonian Univ Inst of Cardiology, Krakow, Krakow, Poland; Horst Sievert, CardioVascular Ctr, Frankfurt am Main, Germany

P51
The Association of Matrix Metalloproteinase 2 and 9 With Different Atherosclerotic Morphology of Carotid Plaques
Sung Hyuk Heo, Ju Hie Lee, Ju-Cheol Park, Jung Hwa Kim, Key Chung Park, Tae-Beom Ahn, Kyung Cheon Chung, Sung Sang Yoon, Dae-II Chang, Kyung-Hee Univ Hosp, Seoul, Korea, Republic of; Chang-Hoon Cho, Kyung-Sik Yoon, Kyung-Hee Univ, Seoul, Korea, Republic of

P52
Gender Differences in Rates of Carotid Endarterectomy After TIA Due to Severe Carotid Stenosis
Sharon N Poisson, S Claiborne Johnston, UCSF, San Francisco, CA; Stephen Sidney, Jeff Klingman, Kaiser Permanente Medical Care Program, Oakland, CA; Mai N Nguyen-Huynh, UCSF, San Francisco, CA

P53
Reduced Estimated Glomerular Filtration Rate is Associated With Stroke Outcomes After Intravenous Low-dose rt-PA: The Stroke Acute Management With Urgent Risk-factor Assessment and Improvement (SAMURAI) Study
Masaki Naganuma, Masatoshi Koga, Natl Cardiovascular Ctr, Suita, Japan; Yoshiaki Shikawa, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawara, Nakamura Memorial Hosp, Sapporo, Japan; Etsuke Furui, Kohnan Hosp, Sendai, Japan; Kazumi Kimura, Kawasaki Medical Sch, Kawasaki, Japan; Hiroshi Yamagami, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, St Mariann Univ Sch of Med, Kawasaki, Japan; Kazuomi Kario, Ichinohashi Medical Univ Sch of Med, Tochigi, Japan; Satoshi Okuda, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Kazutoshi Nishiyama, Kyorin Univ Sch of Med, Mitaka, Japan; Kazuo Minematsu, Kazunori Toyoda, Natl Cardiovascular Ctr, Suita, Japan
Measuremet of Cerebrovascular Reactivity During Breath-holding Provocation in Patients With Carotid Artery Disease: A Transcranial Doppler Sonography and Near-infrared Spectroscopy Study

A National Study Comparing Carotid Artery Stent Placement With Carotid Endarterectomy in Octogenarians and Non-octogenarian Population
Rakesh Khatri, Gabriela Vazquez, M Fareed Suri, Kamakshi Lakhsminarayan, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

Staged Carotid Balloon Angioplasty and Stent Placement
Hyun-Seung Kang, Su Yeon Choi, Bae Ju Kwon, Seoul Natl Univ Hosp, Seoul, Republic of Korea; Cheolkyu Jung, Seoul Natl Univ Bundang Hosp, Sungnam, Republic of Korea; Eui Jong Kim, Kyunghee Univ Hosp, Seoul, Republic of Korea; Hong Gee Roh, Konkuk Univ Hosp, Seoul, Republic of Korea; O-Ki Kwon, Seoul Natl Univ Bundang Hosp, Sungnam, Republic of Korea; Moon Hee Han, Seoul Natl Univ Hosp, Seoul, Republic of Korea

2D Perfusion Color Mapping Can Predict Hyperperfusion Syndrome After Carotid Artery Stenting
Ryo Yoshimura, Yuko Tanaka, Hideo Okada, Masataka Nanto, Takeshi Fujimoto, Aki Shintani, Tomoaki Terada, Wakayama Rosai Hosp, Wakayama, Japan

Impact of Open-cell vs Closed-cell Stent Design in the Outcome of Carotid Stenting
Alberto Gil-Peralta Sr, Jose Ramon Gonzalez, Alejandro Gonzalez, Francisco Moniche, Antonio Mayol, Aurelio Cayuela, Hosp Virgen del Rocio, Sevilla, Spain

Superficial Temporal Artery- Middle Cerebral Artery (STA-MCA) Bypass in Patients With Severe Steno-occlusive Disease of Intracranial Internal Carotid and Middle Cerebral Artery
Vijay K Sharma, Hock L Teoh, Chou Ning, Leonard Y Yeo, Aftab Ahmad, Vincent F Chong, Natl Univ Hosp System, Singapore, Singapore; Georgios Tsivgouli, Athanasia Patouli, Democrates Univ of Thrace, Alexandroupolis, Greece; Demetrios Athanasiadis, 3rd Surgical Dept of Athens Univ, Atikom Teaching Hosp, Athens, Greece; Su Jie, Lily Y Wong, Chiew S Heng, Philip A Ping, Hao Cheng, Michael T Wee, Narayanaswami Venkateshraman, Benjamin K Ong, Bernard P Chan, Arvind K Sinha, Natl Univ Hosp System, Singapore, Singapore

Early Carotid Angioplasty and Stenting for Secondary Stroke Prevention
Francisco Moniche Sr, Jose Ramon Gonzalez, Alejandro Gonzalez, Antonio Mayol, Aurelio Cayuela, Alberto Gil-Peralta, Hosp Virgen del Rocio, Sevilla, Spain
P61  
Opium Addiction Plays a Significant Role in Developing Intracerebral Hemorrhage Among Young Patients  
Saeedeh Mirbagheri, Isfahan Univ of Medical Sciences, Isfahan, Iran; Islamic Republic of; Amir Dadgostar, Islamic Azad Univ of Tehran Medical Branch, Tehran, Iran, Islamic Republic of; Elham Khalili, Isfahan Univ of Medical Sciences, Isfahan, Iran, Islamic Republic of; Ali reza Chamasemani, Mahnoush Reiszadeh, Elaheh Asadi Aminabadi, Majid Kalbasi Gharavi, Fatemeh Hajighasemi, Islamic Azad Univ Branch of Najaf Abad, Isfahan, Iran, Islamic Republic of; Mohammad Saadatnia, Isfahan Univ of Medical Sciences, Isfahan, Iran, Islamic Republic of

P62  
Routine Use of Pseudoephedrine is Not Associated With Increased Risk of Intracerebral Hemorrhage  
Anna P Gensic, Univ of Cincinnati, Cincinnati, OH; W Mark Brown, Wake Forest, Winston-Salem, NC; Mary Haverbusch, Matthew L Flaherty, Brett M Kissela, Dawn Kleindorfer, Joseph P Broderick, Univ of Cincinnati, Cincinnati, OH; Carl D Langefeld, Wake Forest, Winston-Salem, NC; Daniel Woo, Univ of Cincinnati, Cincinnati, OH

P63  
Vitamin D Deficiency and Acute Ischemic Stroke: Correlation Between Vitamin D Levels and Stroke Severity  
Ziad Darkhabani, Bijal Mehta, Maxim Mokin, Tareq Kass-Hout, Marilou Ching, Catalina Ionita, Univ at Buffalo, Buffalo, NY

P64  
Transcranial Doppler Ultrasound for Detecting Intracranial Stenosis in Elderly Population: Results From the Ultrasound Screening in Adults for Intracranial Disease (USAID) Study  
M Fareed Suri, Nauman Tariq, Alexandros L Georgiadis, Mushtaq H Qureshi, Gabriela Vazquez, M Naeem Qureshi, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P65  
Differences in Risk Factors Between Intracranial and Extracranial Atherosclerosis in a Predominantly White American Population  
Fabricio O Lima, Gisele S Silva, Michael H Levy, Gordon Harris, Massachusetts General Hosp, Boston, MA; Wade S Smith, Univ of California San Francisco, San Francisco, CA; Elkan F Halpern, Massachusetts General Hosp, Boston, MA; Walter Koroshetz, NINDS, Bethesda, MD; Karen L Furie, Massachusetts General Hosp, Boston, MA

P66  
Smoking is Associated With TIAs at a Younger Age  
Nandavar Shobha, Matthew Boyko, Sarah Tymchuk, Christine O'Reilly, Gopukumar Kumar, Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada

P67  
High Prevalence of Carotid and Intracranial Atherosclerosis in Hispanic General Population: An Autopsy Study in Mexico City  
Carlos Cantú-Brito, Insto Nacional de Ciencias Medicas y Nutricion, Mexico, Mexico; Marcela Rodríguez, Ctr Medico, Mexico, Mexico; Arturo Ramirez, Resultados Médicos Desarrollo e Investigación SC, Mexico, Mexico; Jesus Aguirre, Hosp General de Mexico, Mexico, Mexico; Joel Rodriguez-Saldana, Resultados Médicos Desarrollo e Investigación SC, Mexico, Mexico
P68  Serum Apolipoprotein is Associated With Thrombotic Stroke Subtype
Woo-Keun Seo, Ji Hyun Kim, Korea Univ Guro Hosp, Seoul, Korea, Republic of; Sung-Wook Yu, Korea Univ Anam Hosp, Seoul, Korea, Republic of; Kyungmi Oh, Seong-Beom Koh, Korea Univ Guro Hosp, Seoul, Korea, Republic of

P69  Elevated Fasting Triglyceride in Small Vessel Occlusive Stroke
Jong-Moo Park, Ja-Seong Koo, Eulji General Hosp, Seoul, Korea, Republic of; Dong-Wha Kang, Asan Medical Ctr, Seoul, Korea, Republic of; Hee-Joon Bae, Moon-Ku Han, Seoul Natl Univ Bundang Hosp, Seongnam, Korea, Republic of; Kyung-Ho Yu, Byung-Chul Lee, Hallym Univ Coll of Med, Anyang, Korea, Republic of; Yong-Jin Cho, Keun-Sik Hong, Ilsan Paik Hosp, Goyang, Korea, Republic of

P70  Obesity is Independently and Strongly Linked to Symptomatic Cervicocephalic Atherosclerosis in a Medically Underserved Population
Amytis Towfighi, Amy Tai, Mary Ann Gallup, Univ of Southern California, Rancho Los Amigos Natl Rehabilitation Ctr, Los Angeles, CA; Erika Guevara, UCLA - Olive View Medical Ctr, Los Angeles, CA; Bruce Ovbiagele, UCLA - Olive View Medical Ctr, Sylmar, CA

P71  Frequency of Abnormal Glucose Metabolism Among Ischemic Stroke and TIA Patients in the South Based on Oral Glucose Tolerance Testing
Osman Mir, Sakib Qureshi, Anthony Pileggi, Kirk Easley, Lauren Ayala, Fadi Nahab, Emory Univ, Atlanta, GA

P72  Unmarried Working Men and Unhappily Married at Age 40-65 Carry Excess Risk of 34-year Stroke Mortality
Uri Goldbourt, Tel Aviv Univ, Tel Aviv, Israel

P73  Whole-brain Arterial Spin Labeling Perfusion MR Imaging in Patients With Acute Stroke
Reinoud P Bokkers, UMC Utrecht, Utrecht, Netherlands; Steven Warach, NINDS/NIH, Bethesda, MD; Matthias J van Osch, LIUMC, Leiden, Netherlands; Jeff Duyn, Lawrence L Latour, NINDS/NIH, Bethesda, MD

P74  Factors Predicting the Presence of Acute Ischemic Lesions on Diffusion Weighted in the Stanford TIA Study (Two Aces)
Jean Marc Olivot, Connie Wolford, Michael Mlynash, Stanford Stroke Ctr, Palo Alto, CA; James Castle, NorthShore Univ HealthSystem, Glenview, IL; Maarten Lansberg, Neil Schwartz, Stephanie Kemp, Gregory W Albers, Stanford Stroke Ctr, Palo Alto, CA

P75  Using MRI as the Witness: Multimodal MRI-based Determination of Acute Stroke Onset
P76  
Apparent Diffusion Coefficient Correlates With Tmax in Acute Ischemic Stroke  
Archana Purushotham, Maarten G Lansberg, Michael Mlynash, Jean-Marc Olivot, Roland Bammer, Stephanie M Kemp, Gregory W Albers, Stanford Univ, Palo Alto, CA

P77  
A Multivariate Predictive CT Model of Penumbra vs Core Infarction for Acute Ischemic Stroke  
Chelsea S Kidwell, Georgetown Univ, Washington, DC; Timothy J Schaewe, UCLA Medical Ctr, Los Angeles, CA; Jeffrie F Schreier, Georgetown Univ, Washington, DC; Mouhammad Jumaa, Univ of Pittsburgh, Pittsburgh, PA; Jason Hom, UCSF, San Francisco, CA; Reza Jahan, Jeffrey Gornbein, Jeffrey L Saver, UCLA Medical Ctr, Los Angeles, CA; Tudor Jovin, Univ of Pittsburgh, Pittsburgh, PA; Max Wintermark, UCSF, San Francisco, CA

P78  
Conversion of Ischemic but Viable Tissue Into Infarction is Different Between Men and Women  
Ethem Murat Arsava, Figen Gokcay, Tuna Baykaner, Priya Garg, Ona Wu, AA Martins Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA; Anees B Singhal, Karen L Furie, Stroke Service, Dept of Neurology, Massachusetts General Hosp, Boston, MA; A Gregory Sorensen, AA Martins Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA; Hakan Ay, Stroke Service, Dept of Neurology and AA Martins Ctr for Biomedical Imaging, Dept of Radiology, Massachusetts General Hosp, Boston, MA

P79  
Leptomeningeal Collateral Perfusion in Acute MCA Occlusion Reveals Inherent Vulnerability to Failure: Quantifying the Hemodynamics of FLAIR Vascular Hyperintensity  
David S Liebeskind, Qing Hao, UCLA, Los Angeles, CA; Nerses Sanossian, USC, Los Angeles, CA; Jeffrey R Alger, Sidney Starkman, Latisha K Ali, Bruce Ovbiagele, Doojin Kim, Jeffrey L Saver, UCLA, Los Angeles, CA; for the UCLA Collateral Investigators

P80  
Multiphasic Perfusion Computed Tomography as a Novel Predictor of Collateral Flow in Acute Ischemic Stroke: Comparison With Digital Subtraction Angiography  
Suk Jae Kim, Hyun Jin Noh, Cindy W Yoon, Oh Young Bang, Gyeong-Moon Kim, Chin-Sang Chung, Kwang Ho Lee, Dept of Neurology, Samsung Medical Ctr, Sungkyunkwan Univ Sch of Med, Seoul, Republic of Korea

P81  
Ultra-early Recanalization and Re-occlusion in Patients With Acute Ischemic Stroke: A Multimodal Serial Angiographic Study  
Mushtaq H Qureshi, Alberto Maud, M Fareed Suri, Ramachandra P Tummala, Robert A Taylor, Mustapha A Ezzeddine MD, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P82  
Diffusion Tensor Imaging in Acute Stroke: Seeing is Believing  
Jana J Wold, Lubdha M Shah, Edward P Quigley III, Elaine J Skalabrin, Ulrich A Rassner, Jennifer J Majersik, Univ of Utah, Salt Lake City, UT

P83  
Significance of Occlusion-site in Acute Ischemic Stroke Patients With Internal Carotid Artery Occlusion  
Ji Man Hong, Jin Soo Lee, Dong Hoon Shin, In Soo Joo, Kyoon Huh, Ajou Univ Medical Ctr, Suwon, Korea, Republic of
NIHSS = 0 Does NOT Equal the Absence of Stroke
Sheryl Martin-Schild, Tulane Univ Sch of Med, New Orleans, LA; Karen C Albright, Univ of California in San Diego, San Diego, CA; Vijay Pandav, Jessica Tanksley, James C Grotta, Sean I Savitz, Univ of Texas in Houston, Houston, TX

Experimental Mechanisms and Models Posters I  P85 – P96

SECTION 8

Moderator: Robert Meller, PhD, Portland, OR

P85
The Curcumin-based Derivative CNB-001 Attenuates Ischemia-induced Cell Death in vitro and Reduces Embolism-induced Clinical Deficits in vivo in a Rabbit Stroke Model: Neuroprotection is Mediated via an Erk-ORP150 Pathway
Paul A Lapchak, UCSD Neurosciences, La Jolla, CA; David Schubert, Pamela Maher, SALK Inst, La Jolla, CA

P86
Neuroprotective Effect of Human Chorionic Gonadotropin in Transient Focal Cerebral Ischemia in Rats
Ludmila Belayev, Nicolas N Bazan, Larissa Khoutorova, Kristal K Atkins, Tiffany Niemoller, Louisiana State Univ, New Orleans, LA; Alan F Moore, Allen W Davidoff, Stem Cell Therapeutics Corp, Calgary, AB, Canada

P87
Assessing Stroke Evolution in SHR Rats: Arterial Spin Labeling is Superior to Dynamic Susceptibility Contrast
Erica C Henning, Natl Inst of Neurological Disorders and Stroke, Natl Insts of Health, Bethesda, MD; Fernando F Paiva, Natl Institute of Neurological Disorders and Stroke, Natl Insts of Health, Bethesda, MD; Afonso C Silva, Lawrence L Latour, Natl Inst of Neurological Disorders and Stroke, Natl Insts of Health, Bethesda, MD

P88
Vascular Gene Expression Changes Effected by Flow Loading in the Rat Basilar Artery: A Step Toward Characterizing Molecular Events Leading to Aneurysm Initiation in vivo
Todd Abruzzo, Yuko Kurosawa, Ondrej Choutka, Joseph F Clark, Univ of Cincinnati, Cincinnati, OH; Shawn Smith, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Mario Zuccarello, Gail Pyne-Gelthman, Univ of Cincinnati, Cincinnati, OH

P89
Effect of Citicoline Treatment in Animal Models of Focal Cerebral Ischemia: A Systematic Review and Meta-analysis
Dolors Giralt, Lidia Garcia-Bonilla, Maite Mendioroz, Sophie Domingues-Montanari, Anna Rosell, Joan Montaner, Neurovascular Res Lab, Vall d’Hebron Hosp, Barcelona, Spain

P90
Phosphodiesterase-4 Inhibitor Rolipram Increases Infarct Volume in a Rat Embolic Experimental Stroke Model
Fan Yang, Dong Xue, Mark Fisher, Univ CA Irvine, Irvine, CA

P91
Inhibition of Cytosolic Phospholipase 2 Alpha Protects Against Focal Brain Ischemic Damage in Mice
Jian Zhang, Rung-Chi Li, Adam Sapirstein, Johns Hopkins Univ, Baltimore, MD
P92
Inflammatory Mediators in Large Vessel Cerebrovascular Atherosclerosis in Diabetic Swine: A Quantitative Expression Analysis
Tirtha Koirala, J Trevor Posenau, Univ of Virginia, Charlottesville, VA; Ross G Gerrity, Medical Coll of Georgia, Augusta, GA; Jerry L Nadler, Eastern Virginia Medical Sch, Norfolk, VA; Bradford B Worrall, Univ of Virginia, Charlottesville, VA

P93
MR Spectroscopy and Diffusion-Weighted MRI Can Accurately Measure Both Reduced and Increased Brain Temperature
Thomas P Lillicrap, Steven Hudson, Peter Stanwell, Mark Parsons, Neil Spratt, Christopher Levi, Hunter Medical Res Inst, Newcastle, Australia

P94
Female Exhibited Severe Ischemic Brain Damage in Obese Diabetic Mice
Akiko Sakata, Masaki Mogi, Jun Iwannami, Kana Tsukuda, Li-Juan Min, Fei Jing, Masaru Iwai, Masaharu Ito, Masatsugu Horiuchi, Ehime Univ, Graduate Sch of Medi, Tohon, Japan

P95
Quantifying the Impact of Pre-treatment MRI Inclusion Criteria on Type-I/Type-II Error in Experimental Stroke Modeling
Erica C Henning, Steven Warach, Lawrence L Latour, Natl Insts of Neurological Disorders and Stroke, Natl Insts of Health, Bethesda, MD

P96
Altered Multiscale Cerebral Blood Flow Regulation in Elderly With Stroke
Kun Hu, Div of Gerontology, Beth Israel Deaconess Medical Ctr, Harvard Medical Sch, Boston, MA; Men-Tzung Lo, Res Ctr for Adaptive Data Analysis, Natl Central Univ, Chungli, Taiwan; Yanhui Liu, DynaDx Corp, Mountain View, CA; C-K Peng, Div of Interdisciplinary Med & Biotechnology and Margret & H A Rey Inst for Nonlinear Dynamics in Med, Beth Israel Deaconess Medical Ctr, Boston, MA; Vera Novak, Div of Gerontology, Beth Israel Deaconess Medical Ctr, Harvard Medical Sch, Boston, MA

Ischemic Stroke Intervention Posters I

SECTION 9

Moderator: Carlos A Molina, MD, Barcelona, Spain

P97
Analysis of the Effect of the Number of Passes of the Merci Retriever During Mechanical Thrombectomy on Mortality and Outcomes
Harish Jhaveri, Kashif Hameed, Naveed Akhtar, Coleman Martin, Marilyn M Rymer, Saint Lukes Brain and Stroke Inst, Kansas City, MO

P98
Frequency, Predictors, and Consequences of Symptomatic Intracranial Hemorrhage in MERCI/Multi-MERCI Trials
Reza Jahan, Jeff Saver, David Liebeskind, UCLA Medical Ctr, Los Angeles, CA; Paul Kim, Gene Sung, U of Southern California Keck Sch of Med, Los Angeles, CA; Merci/Multi Merci investigators

P99
Stent-assisted Percutaneous Transluminal Angioplasty (SAPTA) for Acute Stroke Thrombolysis of Large Artery Occlusion Utilizing Self-expanding Intracranial Stents: A Single Center Series of 31 Consecutive Patients
R Charles Callison, John C Chaloupka, Minako Hayakawa, Amy Keller, John B Terry, Bryan Ludwig, Wei Liu, Univ of Iowa Hosp, Iowa City, IA
P100
Futile Recanalization After Intra-arterial Thrombolysis
Hyo Suk Nam, Myoung-Jin Cha, Young Dae Kim, Ji Hoe Heo, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

P101
Endovascular Treatment for Acute Ischemic Stroke in General Practice: Practice Patterns and Outcomes
Kamakshi Lakshminarayan, Adnan Qureshi, Univ of Minnesota, Minneapolis, MN; Albert W Tsai, Minnesota Dept of Health, St Paul, MN; James M Peacock, Minnesota Dept of Health, St Paul, MN; Gabriela Vazquez, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Russell V Luepker, Univ of Minnesota, Minneapolis, MN

P102
The Carotenoid Trans Sodium Crocetinate Improves Clinical Rating Scores When Administered to Rabbits Following Multiple Infarct Ischemic Strokes: A Combination Therapy Study With Tissue Plasminogen Activator
Paul A Lapchak, UCSD Neurosciences, La Jolla, CA

P103
Minocycline to Improve Neurologic Outcome (MINOS) Early Phase Clinical Trial
David C Hess, Medical Coll of Georgia, Augusta, GA; Susan Fagan, Univ of Georgia Coll of Pharmacy, Augusta, GA; Fenwick T Nichols, Medical Coll of Georgia, Augusta, GA; L Creed Pettigrew, Anna Fowler, Univ of Kentucky, Lexington, KY; Wayne Clark, Monica Dolan, Oregon Health Sciences, Portland, OR; Christiana Hall, Univ of Texas Southwestern, Dallas, TX; Jeffrey Switzer, Mary Ann Park, Brian Close, Medical Coll of Georgia, Augusta, GA; Anand Vaishnav, Michael Dobbs, Univ of Kentucky, Lexington, KY; Kurt Lindsay, Helmi Lutsep, Oregon Health Sciences, Portland, OR; Adviye Ergul, Askiel Bruno, Medical Coll of Georgia, Augusta, GA; David J Edwards, Eugene Applebaum Coll of Pharmacy and Health Sciences, Detroit, MI; Jennifer Waller, Medical Coll of Georgia, Augusta, GA

P104
Mechanical Thrombectomy Significantly Improves Functional Outcome in a Stroke Cohort With Middle Cerebral Artery (MCA) Occlusion
Don Frei, Richard Bellon, Swedish Medical Ctr, Englewood, CO; Zsolt Kulcsar, Hospitaux Univ de Geneve, Geneve, Switzerland; Christophe Bonvin, Daniel Rufenacht, Hopitaux Univ de Geneve, Geneve, Switzerland; Karsten Alfke, Robert Stinglege, Olav Jansen, Univ of Kiel Medical Ctr, Kiel, Germany; Michael Madison, St Paul's United Hosp, St Paul, MN; Tobias Struffert, Arnd Dorfler, Univsklinikum Erlangen, Erlangen, Germany; Iris Q Grunwald, Wolfgang Reith, Anton Haass, Univsklinikum des Saarlandes, Saarlandes, Germany; Daniel Hsu, Robert Tarr, Case Western Univ Hosp, Cleveland, OH

P105
Endovascular Therapy for Acute Ischemic Stroke Due to Large Vessel Intracranial Occlusion: A Ten Year Single Center Experience
Aitziber Aleu, Ridwan Lin, UPMC Stroke Inst, Pittsburgh, PA; Nirav A Vora, Saint Louis Univ Dept of Neurology and Psychiatry, St Louis, MO; Amer M Malik, Mouhammad Jumaa, Nishant S Ranawat, Syed F Zaidi, UPMC Stroke Inst, Pittsburgh, PA; Brian T Jankowitz, UPMC Dept of Neurological Surgery, Pittsburgh, PA; Sharon A DeCesare, Susan Kim, Ken Uchino, Vivek K Reddy, Maxim D Hammer, Lawrence R Wechsler, UPMC Stroke Inst, Pittsburgh, PA; Rishi Gupta, Cleveland Clinic Fndn, Cleveland, OH; Michael B Horowitz, UPMC Dept of Neurological Surgery, Pittsburgh, PA; Tudor G Jovin, UPMC Stroke Inst, Pittsburgh, PA
Mechanical Thrombectomy for Stroke Due to Arterial Dissection is Feasible and Safe: A Substudy From the Merci Registry
Jeremy D Fields, Helmi L Lutsep, Oregon Health & Sciences Univ, Portland, OR; Marilyn M Rymer, St Luke's Hosp, Kansas City, KS; Wade S Smith, Univ of California, San Francisco, San Francisco, CA

Antiplatelet Drug Resistance Predicts Thrombotic Complications in Patients Undergoing Cerebrovascular Stenting

Incidence, Predictors, and Outcomes of Intracranial Vessel Perforation During Endovascular Therapy for Acute Ischemic Stroke
Amer M Malik, Alzibier Aleu, Ridwan Lin, Nishant S Ranawat, UPMC Stroke Inst, Pittsburgh, PA; Nirav A Vora, Dept of Neurology & Psychiatry, Saint Louis Univ, St Louis, MO; Brian Jankowitz, Dept of Neurological Surgery, UPMC, Pittsburgh, PA; Mouhammad Jumaa, Syed F Zaidi, UPMC Stroke Inst, Pittsburgh, PA; Hilal Kanaan, Dean B Kostov, Dept of Neurological Surgery, UPMC, Pittsburgh, PA; Vivek K Reddy, Maxim D Hammer, Ken Uchino, UPMC Stroke Inst, Pittsburgh, PA; Michael B Horowitz, Dept of Neurological Surgery, UPMC, Pittsburgh, PA; Tudor G Jovin, UPMC Stroke Inst, Pittsburgh, PA

Impact of Fetal-variant Willisian Circle on Cerebral Blood Flow Volume
Ji Man Hong, Jae Hyuk Lee, Seok Woo Wong, Jin Soo Lee, In Soo Joo, Ajou Univ Medical Ctr, Suwon, Republic of Korea

Mean Wall Share Stress as Function of Age in Major Cerebral Arteries: Measurement With Quantitative Magnetic Resonance Angiography in 301 Healthy Adults
Meide Zhao, Univ of Illinois at Chicago, Chicago, IL; Xixi Zhao, Univ of Illinois at Urbana-Champaign, Urbana-Champaign, IL; Anthony Curcio, VasSol, Inc, Chicago, IL; Sepideh Amin-Hanjani, Sean Ruland, Fady Charbel, Univ of Illinois at Chicago, Chicago, IL

Vascular Protection in Diabetic Stroke: Role of Matrix Metalloprotease-dependent Vascular Remodeling
Roshini Prakash, Mostafa M Elgebaly, Univ of Georgia, Augusta, GA; Safia Ogbi, Aisha Kelly Cobbs, Weiguo Li, Medical Coll of Georgia, Augusta, GA; Susan C Fagan, Univ of Georgia, Augusta, GA; Adviey Ergul, Medical Coll of Georgia, Augusta, GA

Imaging Brain Microvascular Pathology in Stroke by Fluorescence Laser Scanning Confocal Microscopy: A New Method for Fluorescence Quantification
Tavarekere N Nagaraja, Kelly A Keenan, Polly A Whitton, Kishor Karki, Joseph D Fenstermacher, Robert A Knight, Henry Ford Hosp, Detroit, MI
P113  Changes in NADPH Oxidase Isoform Expression After Middle Cerebral Artery Occlusion in Aged Female Rats
Kimberly A Kelly, Xinian Li, Charles L Rosen, Jason D Huber, West Virginia Univ, Morgantown, WV

P114  Reperfusion Duration Differentially Affects Endothelial Vasodilator Production in Parenchymal Arterioles
Marilyn J Cipolla, Julie A Godfrey, Univ of Vermont, Burlington, VT

P115  PPAR Protects Against Vascular Dysfunction With Aging
Mary L Modrick, Dale A Kinzenbaw, Curt D Sigmund, Frank M Faraci, Univ of Iowa Coll of Med, Iowa City, IA

P116  Mast Cell Regulated Perivascular Gelatinase Activity in Experimental Ischemic Stroke
Olli S Mattila, Daniel Strbian, Jani Saksi, Tero Pikkarainen, Helsinki Univ Central Ho, Helsinki, Finland; Ville Rantanen, Univ of Helsinki, Helsinki, Finland; Perttu J Lindsberg, Helsinki Univ Central Ho, Helsinki, Finland

P117  Microglial Toll-like Receptor-4 and Ischemic Preconditioning
Anna Savos, Univ of Washington, Seattle, WA; Richard V Lee, Thomas Möller, Sean Murphy, Jonathan R Weinstein, Univ Washington, Seattle, WA

P118  The Therapeutic Effect of Netrin-1 Overexpression via AAV Gene Transfer
Hui Sun, Neurological Surgery, UCSF and SFVAMC, San Francisco, CA; Thang Le, New York Medical Coll, New York, NY; Hua Su, Ctr for Cerebrovascular Res, Dept of Anesthesia and Perioperative Care, San Francisco, CA; William L Young, Ctr for Cerebrovascular Res, Dept of Anesthesia and Perioperative Care, Dept of Neurology, UCSF, San Francisco, CA; Jialing Liu, Neurological Surgery, UCSF and SFVAMC, San Francisco, CA

P119  Deletion of Mitochondrial Uncoupling Protein 2 Increased Brain Damage After Transient Focal Ischemia by Suppression of Anti-oxidant Genes and Enhancement of Inflammatory Chemokines
P Andy Li, North Carolina Central Univ, Durham, NC; Bryan Haines, Univ of Nevada Sch of Med, Reno, NV; Serena Pratt, Craig Warden, Univ of California-Davis, Davis, CA

P120  The Extracellular Calcium-Sensing Receptor (CaSR) Promotes Ischemia-induced Injury in Hippocampal Neurons
Jong Youl Kim, Endocrine Res Unit and Dept of Neurology, Univ of California, San Francisco and the San Francisco Veterans Affairs Medical Ctr, San Francisco, CA; Zhiqiang Cheng, Endocrine Res Unit, Univ of California, San Francisco and the San Francisco Veterans Affairs Medical Ctr, San Francisco, CA; Hokyou Lee, Midori A Yenari, Dept of Neurology, Univ of California, San Francisco and the San Francisco Veterans Affairs Medical Ctr, San Francisco, CA; Wenhan Chang, Endocrine Res Unit, Univ of California, San Francisco and the San Francisco Veterans Affairs Medical Ctr, San Francisco, CA
Section 11

Moderator: Pierre B Fayad, MD, FAHA, Omaha, NE

P121
Statewide Hospital-Based Stroke Services in North Carolina: Changes Over 10-Years
Larry B Goldstein, Duke Univ Medical Ctr, Durham, NC

P122
Improving Access to Primary Stroke Centers in a 4 State Region
Glenn D Graham, New Mexico VA Healthcare System and Univ of New Mexico, Albuquerque, NM; Wendy S Segrest, American Heart Association, South Central Affiliate, Austin, TX; Benjamin Wettenhiller, American Heart Association, Dallas, TX

P123
Cost-effectiveness of Telestroke for Ischemic Stroke: A Literature-based Decision-analytic Model
Richard E Nelson, Univ of Utah, Salt Lake City, UT; Gregory M Saltzman, Univ of Michigan, Ann Arbor, MI; Elaine J Skalabrin, Jennifer Majersik, Univ of Utah, Salt Lake City, UT

P124
Retrospective Assessment of Long Term Outcomes for Patients Enrolled in the STRoKE DOC Telemedicine Clinical Trial (STRoKE DOC-LTO)
Brett C Meyer, Rema Raman, Karin Ernstrom, Gilda Tafreshi, Branko Huisa, Andrew B Stermer, Thomas M Hemmen, Univ California San Diego, San Diego, CA

P125
EMS Treatment and Transport of Stroke Patients Post IV tPA: Baseline Adherence to Recommended Processes of Care for “Drip and Ship” Patients
Muhammad A Pervez, Massachusetts General Hosp, Boston, MA; Marilyn Rymer, Kathy Lainhart, Saint Lukes Hosp, Kansas City, MO; Shihab Masrur, Massachusetts General Hosp, Boston, MA; Edward C Jauch, Medical Univ of South Carolina, Charleston, SC; Lee H Schwamm, Massachusetts General Hosp, Boston, MA

P126
Impact of Primary Stroke Center on Delivery of Thrombolytic Therapy in Nations One of the Largest Integrated HMO Systems of Health Care
Zahra Ajani, Navdeep Sangha, Robert Arbuckle, Kaiser Permanente Fndn Hosp-Los Angeles Medical Ctr, Los Angeles, CA; Jeffery Saver, Geffen Sch of Med at UCLA, Los Angeles, CA

P127
Thrombolysis is Underutilized for Acute Ischemic Stroke in Both Certified and Non-certified Hospitals
Kumar Rajamani, Flicia Mada, Leeza Salowich-Palm, Diane Vaphiadiis, Scott Millis, Sam Watson, Seemant Chaturvedi, Wayne State Univ Detroit, Detroit, MI

P128
Does Organized Inpatient Care Decrease the Incident Risk of Stroke-associated Pneumonia?
Gustavo Saposnik, Univ of Toronto and ICES, Toronto, ON, Canada; Olga Finlayson, Frank Silver, Univ of Toronto, Toronto, ON, Canada; Eriola Asllani, Ruth Hall, Inst of Clinical Evaluative Sciences (ICES), Toronto, ON, Canada; Daniel Selchen, Univ of Toronto, Toronto, ON, Canada; Moira K Kapral, Univ of Toronto and ICES, Toronto, ON, Canada; on behalf of the Investigators of the Registry of the Canadian Stroke Network (RCSN); for the Stroke Outcome Research Canada (SORCan) working group
P129
Healthcare Engineering Methods Can Improve Inpatient Stroke Care Quality
Linda Williams, VA HSR&D Ctr on Implementing Evidence-based Practice, Indianapolis, IN; Heather Woodward-Hagg, Roudebush VA Medical Ctr, Indianapolis, IN; Dawn Bravata, Virginia Daggett, Laurie Plue, Teresa Damush, VA HSR&D Ctr on Implementing Evidence-based Practice, Indianapolis, IN

P130
Standardized Discharge Orders After Stroke: Results of the Quality Improvement in Stroke Prevention (QUISP) Trial
S Claiborne Johnston, UCSF Medical Ctr, San Francisco, CA; Stephen Sidney, Kaiser-Permanente Div of Res, Oakland, CA; Nancy K Hills, David G罗斯venor, UCSF Medical Ctr, San Francisco, CA; Jeffrey G Klingman, Kaiser-Permanente Medical Care Plan, Walnut Creek, CA; Allan Bernstein, Kaiser-Permanente Medical Care Plan, Santa Rosa, CA; Eleanor Levin, Kaiser-Permanente Medical Care Plan, Santa Clara, CA

P131
Developing Benchmarks for Acute Stroke Care in Ontario: Using the Registry of the Canadian Stroke Network
Ruth Hall, Moira K Kapral, ICES, Toronto, ON, Canada; Patty Lindsay, Canadian Stroke Network, Toronto, ON, Canada; Mark Bayley, Univ of Toronto, Toronto, ON, Canada; Michael D Hill, Univ of Calgary, Calgary, AB, Canada

P132
Does Improving Quality of Stroke Care Really Lead to Improving Clinical Outcome?
Youngchae Ko, Dept of Neurology, Chungbuk Natl Univ Coll of Med, Cheongju-si, Republic of Korea; Jung Hyun Park, Dept of Neurology, Dongguk Univ Gyeongju Hosp, Gyeongju-si, Republic of Korea; Wook-Joo Kim, Myung Suk Jang, Mi Hwa Yang, Huilae Yeo, Dept of Neurology, Stroke Ctr, Seoul Natl Univ Bundang Hosp, Seongnam-si, Republic of Korea; Sang Yun Kim, Dept of Neurology, Seoul Natl Univ Bundang Hosp, Seongnam-si, Republic of Korea; Moon-Ku Han, Dept of Neurology, Stroke Ctr, Seoul Natl Univ Bundang Hosp, Seongnam-si, Republic of Korea; Hee-Joon Bae, Dept of Neurology, Stroke Ctr, Seoul Natl Univ Bundang Hosp, Seongnam-si, Republic of Korea

Preventive Strategies Posters I

SECTION 12

Moderator: TBD

P133
The Prevalence of Adverse Prognostic Blood Pressure Characteristics in Subjects With TIA and Stroke
Sarah Jane Hassan, Trinity Coll Dublin, Dublin, Ireland; Suzanne Walsh, St James’s Hosp, Dublin, Ireland; Joseph Harbison, Trinity Coll Dublin, Dublin, Ireland

P134
Carole L White, Univ of Texas Health Sciences Ctr at San Antonio, San Antonio, TX; Jeff M Szychowski, Univ of Alabama at Birmingham, Birmingham, AL; Robert L Talbert, Univ of Texas Health Sciences Ctr at San Antonio, San Antonio, TX; Eve Holzemer, St Louis Univ, St Louis, MO; Helena Lau, Boston Univ, Boston, MA; Leslie A McClure, Univ of Alabama at Birmingham, Birmingham, AL; SPS3 Investigators
P135
Is There a Relationship Between Metabolic Syndrome and Lacunar Stroke? For the SPS3 Investigators
Oscar Benavente, Univ Texas San Antonio, San Antonio, TX; Leslie McClure, Univ of Alabama, Birmingham, AL; Viveca Bhat, Univ Texas San Antonio, San Antonio, TX; Gonzalo Matamala, Hosp Naval, Vina del Mar, Chile; Jorge Tapia, Univ Catolica, Santiago de Chile, Chile; Ana Roldan, Carole White, Univ Texas San Antonio, San Antonio, TX; Jeff Szychowski, Univ Alabama, Birmingham, AL; Robert Hart, Univ Texas San Antonio, San Antonio, TX

P138
Higher Frequency of Stroke Deaths on Mondays and Saturdays
Paulo A Lotufo, Isabela M Bensenor, Univ of Sao Paulo, Sao Paulo, Brazil

P139
Does Excision of the Left Atrial Appendage During Minimally Invasive Surgical Ablation for Atrial Fibrillation Remove the Need for Long Term Anticoagulation: The Potential Role of Left Atrial Size
Deborah Lockwood, Chittur A Sivaram, Marvin D Peyton, Warren M Jackman, OU Health Sciences Ctr, Oklahoma City, OK

P140
Efficacy of Homocysteine Lowering Therapy With Folic Acid in Stroke Prevention: A Meta-analysis of Randomized Controlled Trials
Meng Lee, Dept of Neurology, Chang Gung Memorial Hosp and Univ, Putzu, Taiwan; Keun-Sik Hong, Dept of Neurology, Ilan Paik Hosp and Inje Univ, Goyang, Republic of Korea; Shen-Chih Chiang, Dept of Epidemiology, UCLA, Los Angeles, CA; Jeffrey L Saver, Stroke Ctr and Dept of Neurology, UCLA, Los Angeles, CA

P141
Antiplatelet vs Anticoagulant Therapy Recommended as Best Medical Care in the Randomized Evaluation of Recurrent Stroke Comparing PFO Closure to Established Current Standard of Care Treatment (RESPECT) Trial
David L Tirschwell, UW Med Stroke Ctr at Harborview, Univ of Washington Sch of Med, Seattle, WA; Diane S Book, Medical Coll of WI, Milwaukee, WI; John D Carroll, Univ of Colorado, Denver, CO; Helmi L Lutsep, Oregon Health & Science Univ, Portland, OR; Luther C Pettigrew, Univ of Kentucky, Lexington, KY; Jeffrey L Saver, Geffen Sch of Med at UCLA, Los Angeles, CA; Richard W Smalling, Univ of Texas Sch of Med, Houston, TX; David E Thaler, Tufts Medical Ctr, Boston, MA; Brian M Van Dorn, AGA Medical Corp, Plymouth, MN; Larry B Goldstein, Duke Univ, Durham, NC; The RESPECT Trial Investigators

P142
Stroke Symptoms and Risk Factor Awareness Amongst High School Children in Pakistan
Muhammad U Farooq, Archit Bhatt, Adnan Safdar, Mounzer Y Kassab, Arshad Majid, Michigan State Univ, East Lansing, MI

P143
Long Term Clinical Outcomes in Stroke Patients Using Clopidogrel and Proton Pump Inhibitors
Sibi Krishnamurthy, Duke Univ, Durham, NC; Bhuvaneswari K Dandapani, Melbourne Internal Med Assoc, Melbourne, FL; Nikola B Dandapani, Benjamin J Sunter, Neuroscience Fndn of Brevard, Melbourne, FL; James B Gebel Jr, Cleveland Clinic Fndn, Cleveland, OH

P144
Assessing Perceived Stress Provides Targets for Stroke Prevention
Mariam D Kashani, Arn H Eliasson, Jacqueline A Hoffman, Marina N Vernalis, Walter Reed Army Medical Ctr, Washington, DC
POSTER SESSION II
WEDNESDAY, FEBRUARY 24
5:30 pm – 6:30 pm

Nursing Symposium Posters II P145 – P156

SECTION 1

Moderator: Jennifer Cohn, RN, MSN, CCRN, Indianapolis, IN

P145
Impact of Menopausal Status and Ethnicity on Stroke Risk Factors
Carolyn Strimike, Margaret Latrella, St Joseph’s Healthcare System, Paterson, NJ

P146
Stroke Follow-up: What is Stopping Patients From Returning to Clinic?
Susan E Alderman, Mary J Hess, Loren F Shen, Sean I Savitz, James C Grotta, Debora L East, Univ of Texas Houston Medical Sch, Houston, TX

P147
Which Treatments to Select to Efficiently Treat Shivering?
Stephanie Rizzo, Beth Banchek, Lauren Foster, Susan Feldstein, New York Presbyterian Hosp, New York, NY

P148
The Effect of Augmented Visual Feedback on Motor Learning of Reaching Movements in Novel Dynamic Environments in Chronic Stroke Survivors
Mukul Mukherjee, Ka-Chun Siu, Univ of Nebraska at Omaha, Omaha, NE; Tony Wilson, Univ of Nebraska Medical Ctr, Omaha, NE; Wen Liu, Univ of Kansas Medical Ctr, Kansas City, KS; Pierre Fayad, Univ of Nebraska Medical Ctr, Omaha, NE; Nick Stergiou, Univ of Nebraska at Omaha, Omaha, NE

P149
Health-seeking Behavior in Acute Stroke: Why the Delay?
Susan E Wehner, Michigan State Univ, East Lansing, MI

P150
Baseline Results of an Acute Ischemic Stroke Registry Including Acute Multimodal Imaging (ASTRAL)
Patrik Michel, Celine Odier, Matthieu Rutgers, Marc Reichhart, Neurology Service, CHUV, Lausanne, Switzerland; Philippe Maeder, Reto Meuli, Radiology Service, CHUV, Lausanne, Switzerland; Max Wittingmark, Neuroradiology, UCSF, San Francisco, CA; Ali Maghraoui, Clinical Pharmacology, CHUV, Lausanne, Switzerland; Mohamed Faouzi, Inst Social and Preventive Med, CHUV, Lausanne, Switzerland; Alexandre Croquelois, Neuropsychology and Rehabilitation, CHUV, Lausanne, Switzerland; George Ntaios, Neurology Service, CHUV, Lausanne, Switzerland

P151
A Systems Approach to Stroke Care: The University Hospitals Cleveland Experience
Leigh A McCartney, Cathy Sila, Nancy Tinsley, Erin Supan, Robert Tarr, Warren Selman, Anthony J Furlan, Univ Hosp Case Medical Ctr, Cleveland, OH

P152
Rapid Assessment for the Prevention of Ischemic Disease (RAPID) Care Discharge Clinic: Advanced Practice Model for Secondary Stroke Prevention
Karen Yarbrough, UMMC, Baltimore, MD
P153
Collaborative Nurse Physician Practice: Implementing Clinical Practice Guidelines From Neuro ICU Throughout the Continuum
Patricia C Lane, Bon Secours – St Francis Medical Ctr, Midlothian, VA; John Cochran II, Jennifer Kilmer, Heather Russell, Barbara Mancini, Maurie Whitson, Kimberly Lucas, Inova Fairfax Hosp, Fairfax, VA

P154
An Anti Coagulation Clinic May Identify Minor Hemorrhage Otherwise Undetected
Maureen Mathews, Patricia Waldschmidt, Patricia Jatkowska, OSF Healthcare, Peoria, IL; Hannah Thurwanger, Mikalynn Katlack, Bradley Univ, Peoria, IL; Judith Beck, OSF Healthcare, Peoria, IL

P155
Integrating Automated Prompts Into Standard Physical Assessments to Reduce Aspiration Risk From Dysphagia in Stroke Patients
Brandi Rambo, Kimberly Mancin, Patricia Bertram-Arnette, Aaron C Barth, Laura Yarbrough, Sheri Leslein, Margaret Boltja, Medical Ctr of Central Georgia, Macon, GA

P156
Acute Stroke Program With Multidisciplinary Approach
Sally Roberts, Patty Guidroz, Allen Aubert, Mikki Royston, Emily M Dressel, Our Lady of Lourdes Reg Med Ct, Lafayette, LA

P157
DEFUSE and EPITHET: Two Different Studies With One Consistent Message
Maarten G Lansberg, Jun Lee, Stanford Univ, Stanford, CA; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Matus Straka, Stanford Univ, Stanford, CA; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Michael Mlynash, Stanford Univ, Stanford, CA; Bruce C Campbell, Univ of Melbourne, Melbourne, Australia; Roland Bammer, Jean-Marc Olivot, Stanford Univ, Stanford, CA; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Gregory W Albers, Stanford Univ, Stanford, CA; on behalf of the DEFUSE-EPITHET investigators

P158
Clinical Diffusion Mismatch and MRA Diffusion Mismatch Are Specific but Not Sensitive to Identify Perfusion Diffusion Mismatch
Alejandro Magadan, Georgetown Univ, Washington, DC; Marie Luby, Steven Warach, NINDS, Natl Inst of Health, Bethesda, MD; NINDS Natural History of Stroke Investigators

P159
Is Reduced CBV a Reliable Surrogate Marker for Infarct Core and Can It Be Used to Identify Mismatch?
Matus Straka, Maarten G Lansberg, Stanford Univ, Stanford, CA; Soren Christensen, Univ of Melbourne, Melbourne, Australia; Michael Mlynash, Stanford Univ, Stanford, CA; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp, Singapore, Singapore; Jean-Marc Olivot, Stanford Univ, Stanford, CA; Bruce C Campbell, Dept of Neurology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Gregory W Albers, Roland Bammer, Stanford Univ, Stanford, CA
P161
Diffusion-perfusion Mismatch Selection for Clinical Trials: Visual Determination Reliably Estimates Quantitative Mismatch Criteria
Katherine D Ku, Lawrence L Latour, Jose G Merino, Amie W Hsia, John K Lynch, Steven Warach, Marie Luby, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD

P162
Pre-treatment DWI-ASPECTS Has a Relation With Functional Outcome at 3 Months Following Intravenous rt-PA Therapy
Tomohisa Nezu, Masatoshi Koga, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Suita, Japan; Kazumi Kimura, Dept of Stroke Med, Kawasaki Medical Sch, Kurashiki, Japan; Yoshiaki Shiokawa, Depts of Neurosurgery, and Stroke Ctr, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawara, Dept of Neurosurgery and Stroke Ctr, Nakamura Memorial Hosp, Sapporo, Japan; Eisuke Furui, Dept of Stroke Neurology, Kohnan Hosp, Sendai, Japan; Hiroshi Yamagami, Stroke Ctr, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yasushi Okada, Dept of Cerebrovascular Disease, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, Dept of Neurology, St Marianna Univ Sch of Med, Kawasaki, Japan; KAZUOMI KARIO, Div of Cardiovascular Med, Dept of Med, Jichi Medical Univ Sch of Med, Shimotsuke, Tochigi, Japan; SATOSHI OKUDA, Dept of Neurology, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Masaki Naganuma, Kazu Minematsu, Kazunori Toyoda, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Suita, Japan

P163
Neuroimaging of Cerebral Ischemia in Clinical Practice From 2002 to 2009: Expanding Windows, Modalities, and Therapeutic Strategies
David S Liebeskind, Liliana Ramirez Gomez, Qing Hao, James W Sayre, UCLA, Los Angeles, CA

P164
Optimal Perfusion Thresholds for Prediction of Tissue Destined for Infarction in the Combined EPITHET and DEFUSE Dataset
Soren Christensen, Univ of Melbourne, Parkville, Australia; Bruce C Campbell, Dept of Neurology, Royal Melbourne Hosp, Univ of Melbourne, Melbourne, Australia; Natalia Perez de la Ossa, Univ of Melbourne, Parkville, Australia; Maarten Lansberg, Matus Straka, Stanford Univ, Stanford, CA; Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Yoshi Nagakane, Toshiyasu Ogata, Florey Neuroscience Insts, Melbourne, Australia; Michael Mlynash, Roland Bammer, Jean-Marc Olivot, Stanford Univ, Stanford, CA; Patricia Desmond, Dept of Radiology, Univ of Melbourne, Melbourne, Australia; Greg W Albers, Stanford Univ, Stanford, CA; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; EPITHET-DEFUSE Investigators

P165
Pre-treatment DWI-ASPECTS is Superior to CT-ASPECTS in Detecting Excellent to Fairly Good Outcome After Intravenous rt-PA Therapy
Tomohisa Nezu, Masatoshi Koga, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Suita, Japan; Kazumi Kimura, Dept of Stroke Med, Kawasaki Medical Sch, Kurashiki, Japan; Yoshiaki Shiokawa, ts of Neurosurgery, and Stroke Ctr, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawara, Dept of Neurosurgery and Stroke Ctr, Nakamura Memorial Hosp, Sapporo, Japan; Eisuke Furui, Dept of Stroke Neurology,
Kohnan Hosp, Sendai, Japan; Hiroshi Yamagami, Stroke Ctr, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yasushi Okada, Dept of Cerebrovascular Disease, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, Dept of Neurology, St Marianna Univ Sch of Med, Kawasaki, Japan; Kazuomi Kario, Div of Cardiovascular Med, Dept of Med, Jichi Medical Univ Sch of Med, Shimotsuke, Tochigi, Japan; Satoshi Okuda, Dept of Neurology, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Masaki Naganuma, Kazuo Minematsu, Kazunori Toyoda, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Suita, Japan

P166
The Extent of White Matter Disease on Acute Magnetic Resonance Imaging is an Independent Predictor of Outcome in Ischemic Stroke
Mahmut E Gurol, Massachusetts General Hosp, Boston, MA; Patricia H Davis, Enrique C Leira, Scott Strader, Harold P Adams Jr, Univ of Iowa, Iowa City, IA

P167
ASPECT Score and Clinical Outcomes in Patients With Unknown Onset and Wake-up Strokes
Branko N Huisa, Rema Raman, Brett C Meyer, Karin Ernstrom, Gilda M Tafreshi, Andrew B Stemer, Thomas M Hemmen, UCSD Stroke Ctr, San Diego, CA

P168
Cerebral Blood Volume on CT Perfusion as a Parameter for Induced Hypertension Therapy in Atherosclerotic Ischemic Stroke
Ji Man Hong, Jin Soo Lee, Sung Yeon Sohn, Dong Hoon Shin, Kyoung Huh, Ajou Univ Medical Ctr, Suwon, Republic of Korea

Basic and Translational Neuroscience of Stroke Recovery Posters II P169 – P180

SECTION 3

Moderator: Gary A Rosenberg, MD, Albuquerque, NM

P169
Post-Infarct Visual Cortical Plasticity Assessment Using the Immediate-Early Gene Arc
Steven R Zeller, Johns Hopkins, Baltimore, MD; Richard J O’Brien, Johns Hopkins Bayview Medical Ctr, Baltimore, MD; Paul F Worely, Johns Hopkins Univ, Baltimore, MD

P170
Niacin Treatment of Stroke Increases Neuronal Migration and Axonal Regeneration in Rats
Xu Cui, Michael Chopp, Alex Zacharek, Cynthia Roberts, Jieli Chen, Henry Ford Health System, Detroit, MI

P171
Vermicelli Pasta Handling as a Measure of Forepaw Dexterity in Rats With Focal Ischemic Stroke
Miranda Brenneman, Roger Strong, Qingran Li, Gena Mathew, XiaoPei Xi, Sean I Savitz, Univ Texas Medical Sch Houston, Houston, TX

P172
Atorvastatin Major Metabolite Orthohydroxyatorvastatin Protects From Excitotoxic Cell Death and Reduces the Association of NMDA Receptors to Lipid Rafts
Veronica Gui Rao Salguero, Núria DeGregorio Rocosolano, Jovita Ponce, Antoni Dávalos, Teresa Gasull, Fundació Inst d’Investigació en Ciències de la Salut Germans Trias i Pujol, Badalona, Spain
P173  
Language Changes Co-occur With fMRI and Motor Changes Following Motor Therapy for Chronic Hemiparesis  
Stephen Page, Univ of Cincinnati, Cincinnati, OH; Stacy Harnish, Marcus Meinzer, Univ of Florida, Gainesville, FL; Jonathan Trinastic, Univ of Florida, Gainesville, FL; Kari Dunning, Univ of Cincinnati, Cincinnati, OH

P174  
Increase in Cerebral Perfusion After Intra-arterial or Intravenous Injection of Mononuclear Cells in a Rat Model of Ischemic Stroke  
Mallikarjunarao Kasam, Vivek Misra, Sushil Sharma, Miranda Brenneman, Xiaopei XI, James C Grotta, Sean I Savitz, Univ of Texas, Houston, Houston, TX

P175  
Intraarterial Transplantation Results in Superior Delivery of Neural Stem Cells to the Ischemic Brain in Contrast to Intravenous Infusion  
Arjun V Pendharkar, Josh Y Chua, Nancy Wang, Xavier Gaeta, Ray Choi, Robert H Andres, Raphael Guzman, Stanford Univ, Stanford, CA

P176  
The Impact of Stroke on Posturo-respiratory Coupling During Quiet Standing in Older Adults  
Brad Manor, Kun Hu, Lewis Lipsitz, Vera Novak, Beth Israel Deaconess Medical Ctr, Boston, MA

P177  
Shh and Tgf-β Signaling Pathways Activated by BMSCs Increase tPA Activity After Stroke in Mice  
Hongqi Xin, Li Hong Shen, Yi Li, Zheng Gang Zhang, Michael Chopp, Henry Ford Hosp, Detroit, MI

P178  
Combination Treatment With Niaspan and Simvastatin of Experimental Stroke, Induces Axonal Regeneration and Improves Functional Outcome  
Amjad Shehadah, Jieli Chen, Xu Cui, Cynthia Roberts, Mei Lu, Michael Chopp, Henry Ford Hosp, Detroit, MI

P179  
Characterizing Brain Reorganization After Stroke Utilizing fMRI  

P180  
The Temporal Evolution of the Count of Endothelial Progenitor Cells After Ischemic Stroke  
Joan Martí-Fàbregas, Sargi Martínez-Ramirez, Raquel Delgado-Mederos, Marc Suárez-Calvet, Luis Querol, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain; Javier Crespo, Esther Peña, Inst Catalá de Ciències Cardiovasculars, Barcelona, Spain; Rebeca Marín, Elena Jiménez-Xarrié, Aida Alejaldre, Joan Crespi, Josep-Lluís Martí-Vilalta, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain; Lina Badimon, Inst Catalá de Ciències Cardiovasculars, Barcelona, Spain
SECTION 4

Moderator: Askiel Bruno, MD, MS, FAHA, Indianapolis, IN

P181
Migraine and Thrombophilic Disorders in Ischemic Stroke
Patricia Martinez-Sanchez, Blanca Fuentes, Stroke Ctr Dept of Neurology La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain; Maria V Cuesta, Div of Analytical Haematology Dept of Haematology La Paz Univ Hosp Autonoma de Madrid Univ, Madrid, Spain; Jessica Fernandez-Dominguez, Josmarlin Medina-Baez, Luis Idrovo-Freire, Exuperio Diez-Tejedor, Stroke Ctr Dept of Neurology La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain

P182
Factor V Leiden and Ischemic Stroke Risk: The Baltimore-Washington Young Stroke Study

P183
Meta-Analysis of Factor V Leiden and Ischemic Stroke in Young Adults
Ali G Hamedani, John W Cole, Braxton D Mitchell, Steven J Kittner, Univ of Maryland Sch of Med, Baltimore, MD

P184
Hemostatic and Inflammatory Markers as Risk Factors for Hemorrhagic Stroke in the Women's Health Initiative
Hyeon Chang Kim, Yonsei Univ Coll of Med, Seoul, Republic of Korea; Philip Greenland, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Charles B Eaton, Memorial Hosp of Rhode Island, Pawtucket, RI; J David Curb, University of Hawaii, Honolulu, HI; JoAnn E Manson, Harvard Medical Sch, Boston, MA; Lisa Martin, George Washington Univ, Washington, DC; Matthew Allison, Univ of California, La Jolla, CA; Rongling Li, Univ of Tennessee, Memphis, TN; Sylvia Wassertheil-Smoller, Albert Einstein Coll of Med, Bronx, NY

P185
Vascular Cell Adhesion Molecule-1 (VCAM-1) Levels in Patients at Risk for Stroke: The Impact of Gender and Risk Factor Load
Cheryl Bushnell, Darlene Archer, Bridget Brosnihan, Wake Forest Univ Health Sciences, Winston Salem, NC

P186
Hypertension in Pregnancy is Associated With an Increased Risk of Cerebrovascular Disease
Marysia Tweet, Gautam Kumar, Sharonne Hayes, Mayo Clinic, Rochester, MN

P187
Stroke-associated Pneumonia (SAP): Risk Factors for Its Development and Affect on Stroke Outcome
Olga Finlayson, St Michael's Hosp, Toronto, ON, Canada; Moira Kapral, Univ of Toronto, Toronto, ON, Canada; Ruth Hall, Eriola Asllani, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Daniel Selchen, Gustavo Saposnik, St Michael's Hosp, Toronto, ON, Canada; On behalf of the Investigators of the Registry of the Canadian Stroke Network (RCSN); for the Stroke Outcome Research Canada (SORCan) working group
P188  
**Stroke-associated Pneumonia (SAP): Do Academic and Community Hospitals Have Similar Incident Risk and Outcomes?**  
Olga Finlayson, St Michael's Hosp, Toronto, ON, Canada; Moira Kapral, Univ of Toronto, Toronto, ON, Canada; Ruth Hall, Eriola Aslani, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Daniel Selchen, Gustavo Saposnik, St Michael's Hosp, Toronto, ON, Canada; on behalf of the Investigators of the Registry of the Canadian Stroke Network (RCSN); for the Stroke Outcome Research Canada (SORCan) working group

P189  
**HIV-Infection and Cerebrovascular Disease in the Era of Antiretroviral Therapy: Frequency and Diagnostic Correlates From a Large Nationwide Hospital Database**  
Jae H Choi, Michael T Yin, Columbia Univ Medical Ctr, New York, NY

P190  
**Unusually High Prevalence of Patent Foramen Ovale in Patients With Incompetent Varicose Veins**  
Alexander Razumovsky, Sentient Neurocare Services, Inc, Hunt Valley, MD; David Wright, BTG Ltd, London, United Kingdom; Kathleen Gibson, Lake Washington Vascular Surgeons, Bellevue, WA; Jean Barcaly, Janet Rush, BTG Intl Inc, Conshohoken, PA

P191  
**Incidence of Cerebral Venous Thrombosis in United States**  
M Fareed Suri, Zeenat Qureshi Stroke Ctr, Minneapolis, MN; Yousef M Mohammad, Rush Univ Medical Ctr, Chicago, MN; Gabriela Vazquez, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Nauman Tariq, Zeenat Qureshi Stroke Res Ctr, Minneapolis, MN; Adnan I Qureshi, Zeenat Qureshi Stroke Ctr, Univ of Minnesota, Minneapolis, MN

P192  
**Influence of Education on Risk Factors and Outcome in Patients With Ischemic Stroke: A Mexican Multicentric Stroke Registry**  
Carlos Cantu Brito, lnstio Nacional de Nutricion, Mexico, Mexico; Jose L Ruiz-Sandoval, Hosp Civil Guadalajara, Guadalajara, Mexico; Ricardo Rangel, Hosp Univirio, Monterrey, Mexico; Jorge Villarreal-Careaga, Hosp General, Culiacman, Mexico; Antonio Arauz-Gongora, lnstio Nacional de Neurologia, Mexico, Mexico; Luis M Murillo-Bonilla, lnsto Panvascular de Occidente, Guadalajara, Mexico; Fernando Barinagarrementeria, Hosp Angeles, Querétaro, Mexico; The PREMIER collaborative study group

Diagnosis Posters II

P193 – P204

**SECTION 5**

**Moderator:** Kazuo Minematsu, MD, PhD, Osaka, Japan

P193  
**Left Atrial Size as a Predictor of Paroxysmal Atrial Fibrillation in Acute Ischemic Stroke**  
Shuichi Fujii, Kagamino Hosp, Kagaminotyou, Okayama, Japan; Kensaku Shibazaki, Kawasaki Medical Sch, Kurashiki, Okayama, Japan; Kenichiro Sakai, Junya Aoki, Kazuto Kobayashi, Shinji Yamashita, Takeshi Iwanaga, Masao Watanabe, Noriko Matsumoto, Yasuyuki Iguchi, Kazumi Kimura, Kawasaki Medical Sch, Kurashiki, Okayama, Japan

P194  
**Role of Paradoxical Embolism in Patients With Cryptogenic Embolism**  
Ji Won Kim, Cindy W Yoon, Oh Young Bang, Gyeong-Moon Kim, Chin-Sang Chung, Kwang Ho Lee, Samsung Medical Ctr, Seoul, Republic of Korea
P195
Clinical Features of Cryptogenic Brain Infarction: The Fukuoka Stroke Registry (FSR)
Sohei Yoshimura, Hiroshi Sugimori, Tetsuro Ago, Masahiro Kamouchi, Takanari Kitazono, Mitsuo Iida, Dept of Med and Clinical Science, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka, Japan

P196
Higher LA Pressure May Not Be Likely to Open the Right-to-left Shunt in Acute Ischemic Stroke Patients With Atrial Fibrillation
Junya Aoki, Yasuyuki Iguchi, Kensaku Shibazaki, Yuki Sakamoto, Kimiko Fukunaga, Nobuyuki Kaneko, Kenichiro Sakai, Kazuto Kobayashi, Shinji Yamashita, Kazumi Kimura, Kawasaki Medical Sch, Kurashiki, Okayama, Japan

P197
Changes in Clinical Management With the Use of Transesophageal Echocardiography in Patients With a First Cerebrovascular Ischemic Event
Kate C Young, Curtis G Benesch, Univ of Rochester Medical Ctr, Rochester, NY

P198
Patent Foramen Ovale May Be a Cause of Retinal Ischemia
Takeshi Iwanaga, Kenichiro Sakai, Nobuyuki Kaneko, Junya Aoki, Kazuto Kobayashi, Masao Watanabe, Noriko Matsumoto, Kensaku Shibazaki, Yasuyuki Iguchi, Kazumi Kimura, Kawasaki Medical School, Kurashiki, Japan

P199
Large Aortic Plaques May Be Associated With Hypercoagulability
Noriko Matsumoto, Kimiko Fukunaga, Yuuki Sakamoto, Nobuyuki Kaneko, Kenichirou Sakai, Kazuto Kobayashi, Junya Aoki, Shinji Yamashita, Takeshi Iwanaga, Masao Watanabe, Kensaku Shibasaki, Yasuyuki Iguchi, Kazumi Kimura, Dept of Stroke Med, Okayama, Japan

P200
Brain Natriuretic Peptide Should Be a Good Biochemical Marker for Predicting Cardioembolic Stroke
Kenichiro Sakai, Kensaku Shibazaki, Yasuyuki Iguchi, Takeshi Iwanaga, Noriko Matsumoto, Junya Aoki, Masao Watanabe, Shinji Yamashita, Kazuto Kobayashi, Nobuyuki Kaneko, Kazumi Kimura, Department of Stroke Med, Kawasaki Medical Sch, Kurashiki, Japan

P201
NR2 Autoantibodies: Correlation With History of TIA and Stroke. Role of Multiple Recent Ischemic Events
Joseph D Weissman, DeKalb Medical, Decatur, GA; German A Khunteev, Emory Univ, Atlanta, GA; Roslyn Heath, DeKalb Medical, Decatur, GA; Svetlana A Dambinova, Emory Univ, Atlanta, GA

P202
Amino Acid Uptake Predicts the Vascular Remodeling in Patients With Misery Perfusion in Chronic Carotid Artery Occlusion
Katsufumi Kajimoto, Natl Cardiovascular Ctr, Suita, Japan

P203
Accuracy of Serum NSE and S-100 Protein in Predicting Outcome After Cardiac Arrest
Michael Mlynash, Anna Finley Caulfield, Irina Eyngorn, Marion S Buckwalter, Christine AC Wijman, Stanford Stroke Ctr, Palo Alto, CA

P204
Local Glucose Metabolism Before and After Motor Cortex Stimulation for Post-stroke Pain
Masaki Ito, Dept of Neurosurgery, Hokkaido Univ, Sapporo, Japan
Emergency Medicine & In-Hospital Treatment Posters II

SECTION 6

Moderator: William Meurer, MD, BA, Ann Arbor, MI

P205
Intravenous Tissue Plasminogen Activator (rt-PA) in Anticoagulated Patients With Acute Ischemic Stroke: Safety and Outcomes
Nobi Barazangi, Kristin Schmid, Jackie Phan, Ann Bedenk, Jack Rose, David Tong, CFMC, San Francisco, CA

P206
Adherence of Emergency Department Blood Pressure Management in Intracerebral Hemorrhage to the AHA Guidelines: A Population-based Study
Erin M Grise, Ope Adeoye, Christopher Lindsell, Kathleen Alwell, Charles J Moomaw, Brett M Kissela, Daniel Woo, Matthew L Flaherty, Simona Ferioli, Pooja Khatri, Joseph P Broderick, Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH

P207
Mild Sedation Protocol for Intra-Arterial Procedures in Acute Stroke Patients
Marc Ribo, Carlos Molina, Marta Rubiera, Jorge Pagola, Pilar Meler, David Rodriguez-Luna, José Alvarez-Sabin, Hosp Vall d’Hebron, Barcelona, Spain

P208
Website Development for NIH-funded Multi-site Acute Stroke Clinical Trial: The CLEAR-ER Approach
Robert Tamer, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Arthur Pancioli, Pamela Schmit, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Ronald Bryson, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Traci Doellman, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Judy Bean, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Janice Carrozzella, Matthew Flaherty, Univ of Cincinnati Medical Ctr, Cincinnati, OH; John Stullenberger, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Joseph Broderick, Univ of Cincinnati Medical Ctr, Cincinnati, OH; Jane C Khoury, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH

P209
A Comparison of Population-based Eligibility and Actual Enrollment in a Phase II Acute Stroke Clinical Trial
Opeolu Adeoye, Arthur Pancioli, Jane Khoury, Charles J Moomaw, Pamela Schmit, Kathleen Alwell, Matthew L Flaherty, Daniel Woo, Simona Ferioli, Pooja Khatri, Joseph P Broderick, Brett M Kissela, Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH

P210
Accuracy of the New ICD-9 Code for “Drip-and-ship” Thrombolytic Treatment in Patients With Acute Ischemic Stroke
Silvina B Tonarelli, Michael Tibbs, Gabriela Vazquez, M Naem Qureshi, Gustavo J Rodriguez, Kamakshi Lakshminarayan, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P211
Development and Validation of a Clinical Scale Distinguishing Hemorrhagic and Ischemic Stroke in the First Two Hours After Onset
Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Sidney Starkman, Univ of California Los Angeles, Los Angeles, CA; Scott Hamilton, Stanford Univ, Palo Alto, CA; David S Liebeskind, Latisha K Ali, Lucas Restrepo, Univ of California Los Angeles, Los Angeles, CA; Gene
Sung, Univ of Southern California, Los Angeles, CA; Robin Conwit, Natl Insts of Health, Bethesda, MD; Mark Eckstein, Univ of Southern California, Los Angeles, CA; Frank Pratt, Torrance Memorial Medical Ctr, Torrance, CA; Samuel Stratton, Jeffrey L Saver, Univ of California Los Angeles, Los Angeles, CA; FAST-MAG Investigators and Nurses

P212
How Accurate is a Stroke Alert System?
Timothy J Ingall, Maria I Aguilar, Bart M Demaerschalk, David W Dodick, Terri E Kiernan, Byron R Spencer, Bentley J Bobrow, Mayo Clinic Arizona, Phoenix, AZ

P213
Factors Associated With Neurological Complications Following Intracranial Angioplasty and/or Stent Placement: A Multicentric Study
Adnan I Qureshi, Nauman Tariq, Ameer E Hassan, Gabriela Vazquez, Halitham M Hussein, M Fareed Suri, Alexandros L Georgiadis, Ramachandra P Tummala, Robert A Taylor, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P214
Presence of Cerebral Edema Predicts Poor Outcome in Patients With Cerebral Venous Thrombosis
Chris Fanale, Kathryn Leonard, Kristin Salottolo, Christy Casper, David Bar-Or, Swedish Medical Ctr, Denver, CO

P215
Cerebral Blood Volume and Central Venous Pressure: Perfusion MRI Correlates in the Intensive Care of Stroke
David S Liebeskind, Qing Hao, Jeffrey L Saver, Paul M Vespa, Latisha K Ali, Doojin Kim, Jeffry R Alger, Xiao Hu, UCLA, Los Angeles, CA; for the UCLA Stroke Investigators

P216
Safety and Tolerability of Early Non-invasive Ventilatory Correction (NIVC) in Acute Ischemic Stroke
Yi Zhang, Georgios Tsivgoulis, Anne W Alexandrov, Limin Zhao, Mary Brethour, April Sisson, Luis Cava, Damon Patterson, Aaron Anderson, Andrei V Alexandrov, Comprehensive Stroke Ctr, Univ of Alabama Hosp, Birmingham, AL

Hemorrhage – Intraparenchymal II

P217
Serum LDL Cholesterol Level Predicts Hematoma Growth After Acute Intracerebral Hemorrhage
David Rodríguez-Luna, Marta Rubiera, Marc Ribó, Roser Ribosa, Jorge Pagola, Olga Maisterra, Raquel Delgado-Mederos, José Álvarez-Sabin, Carlos A Molina, Neurovascular Unit, Hosp Vall d’Hebron, Barcelona, Spain

P218
Diagnostic Yield of CT Angiography in Addition to MRI/MRA in Spontaneous Intracerebral Hemorrhage
Ryan W Snider, Demi Thai, Rashmi K Narayana, Michael Mlynash, Anna Finley Caulfield, Chitra Venkatasubramian, Marion Buckwalter, Stanford Univ Stroke Ctr, Palo Alto, CA; Nancy Fischbein, Stanford Hosp, Dept of Radiology, Palo Alto, CA; Christine A Wijman, Stanford Univ Stroke Ctr, Palo Alto, CA

SECTION 7

Moderator: Joshua Goldstein, MD, PhD, Boston, MA
P219
Frequency and Predictive Value of the CT Angiography Spot Sign in Secondary ICH

P220
Contrast Extravasation on CT Angiography Predicts Poor Outcome in Primary Intracerebral Hemorrhage
Yilong Wang, Na Li, Yong Zhou, Xingquan Zhao, Liping Liu, Chunxue Wang, Peiyi Gao, Yongjun Wang, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China

P221
CT Perfusion Imaging (CTP) Mean Transit Time Prolongation, NIH Stroke Scale Score, and Thrombolytic Therapy Are Independent Predictors of Hemorrhagic Transformation (HT) in Acute Ischemic Stroke
Leticia C Souza, Seyedmehdi Payabvash, Massachusetts General Hosp, Boston, MA; Yifei Wang, Schulich Sch of Med & Dentistry, Univ Of Western Ontario, London, ON, Canada; Shahmir Kamalian, R Gilberto Gonzalez, Karen L Furie, Michael H Lev, Massachusetts General Hosp, Boston, MA

P222
The CT Angiography Spot Sign Predicts Hematoma Expansion and In-hospital Mortality in Traumatic Subdural Hemorrhage
Hillary R Kelly, Massachusetts General Hosp, Boston, MA; Josser E Delgado Almandoz, Massachusetts General Hosp/Mallinckrodt Inst of Radiology, Boston/St Louis, MO; John C Passanese, Harvard Medical Sch, Boston, MA; Michael H Lev, Pamela W Schaefer, R Gilberto Gonzalez, Javier M Romero, Massachusetts General Hosp, Boston, MA

P223
Effect of Serum Glucose Concentrations During Acute Hospitalization on Hematoma Expansion, Perihematomal Edema, and Three Month Outcome Among Patients With Intracerebral Hemorrhage: Results From the Antihypertensive Treatment of Acute Cerebral Hemorrhage
Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Yuko Y Palesch, Renee Martin, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, SC; Jill Novitzke, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Salvador Cruz Flores, St Louis Univ Health Sciences Ctr, St Louis, MO; Asad Ehtisham, Neuroscience Critical Care Unit, Via Christi Regional Medical Ctr, Univ of Kansas Sch of Med, Wichita, KS; Mustapha A Ezzeddine, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Joshua N Goldstein, Dept of Emergency Med, Brigham & Women's Hosp, Boston, MA; Jawad F kirmami, Dept of Neurology and Neurosciences, Univ of Med and Dentistry of New Jersey, Newark, NJ; Haitham M Hussein, M Fareed Suri, Nauman Tariq, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Yuun Liu, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, SC; ATACH Investigators

P224
MRI Profile of Blood-Brain Barrier Injury and Perihematomal Edema Following Acute Spontaneous Intracerebral Hemorrhage
Didem Aksoy, Roland Bammer, Chitra Venkatasubramian, Rashmi Nrayana, Irina Eyngorn, Ryan W Snider, Nancy J Fischbein, Stanford Univ, Palo Alto, CA; Sandeep N Gupta, GE Medical Systems, Baltimore, MD; Michael Mlynash, Christine A Wijman, Stanford Univ, Palo Alto, CA
P225
Frequency of Adequate Contrast Opacification of the Dural Venous Sinuses With CT Angiography in the Setting of Intracerebral Hemorrhage: Comparison of 16 and 64-Slice CT Angiography Techniques
Josser E Delgado Almandoz, Massachusetts General Hosp / Mallinckrodt Inst of Radiology, Boston / Saint Louis, MA; Henry S Su, Pamela W Schaefer, Stuart R Pomerantz, Michael H Lev, R Gilberto Gonzalez, Javier M Romero, Massachusetts General Hosp, Boston, MA

P226
The Relationship Between White Matter Hyperintensities and Hematoma Volume and Growth in Patients With Intracerebral Hemorrhage
Min Lou, The 2nd Affiliated Hosp of Zhejiang Univ, Hangzhou, China; Adel Al-Hazzani, Richard Goddeau, Jr, Vera Novak, Magdy Selim, Beth Israel Deaconess Medical Ctr, Boston, MA

P227
Patients With Hematoma Expansion Following Acute Intracerebral Hemorrhage Often Present Late or With an Unknown Onset Time

P228
Factor XIII Activity is Associated to Hematoma Growth in Patients With Acute Intracerebral Cerebral Hemorrhage
Joan Martí-Fàbregas, Montserrat Borrell, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain; Yolanda Silva, Hosp Univeri Dr Josep Trueta, Girona, Spain; Raquel Delgado-Mederos, Sergi Martinez-Ramirez, Rebeca Marín, Isabel Barroeta, Maria Sáinz, Angela Vidal, Manuel De Juan-Delago, Jordi Fontcuberta, Josep-Lluis Martí-Vilalta, Hosp de la Santa Creu i Sant Pau, Barcelona, Spain

Intracranial Atherosclerotic Occlusive Disease P229 – P240

SECTION 8

Moderator: J Mocco, MD, MS, Gainesville, FL

P229
Long-term Outcome of Balloon Angioplasty Without Stenting for Symptomatic Middle Cerebral Artery Stenosis
Toshihiro Ueda, Tatsuro Takada, Shinji Nogoshi, St Marianna Unvi Toyoko Hos, Kawasaki, Japan; Shinya Fukumoto, Daisuke Shoda, Manabu Fujita, Ehime Univ, Toon, Japan

P230
Initial Experience With a Second-generation Everolimus-eluting Stent for Treatment of Intracranial Atherosclerosis
Sabareesh K Natarajan, Univ at Buffalo-SUNY, Buffalo, NY; Christopher S Ogilvy, Massachusetts General Hosp, Boston, NY; Leo N Hopkins, Adnan H Siddiqui, Elad I Levy, Univ at Buffalo-SUNY, Buffalo, NY

P231
Large Vessel Occlusion Does Not Predict Outcome in TIA
Sharon N Poisson, Mai N Nguyen-Huy, S Claiborne Johnston, UCSF, San Francisco, CA; Karen L Furie, Michael H Lev, Massachusetts General Hosp, Boston, MA; Wade S Smith, UCSF, San Francisco, CA
P232
Plaque Location of Middle Cerebral Artery Stenosis and Its Relevance to Penetrating Infarctions
Wei-Hai Xu, Ming-Li Li, Shan Gao, Jun Ni, Li-Xin Zhou, Ming Yao, Bin Peng, Li-Ying Cui, Chinese Acad of Med Science, Beijing, China

P233
Early and Late Outcomes of Stroke in Patients With Intracranial Atherosclerosis
Suk Jae Kim, Oh Young Bang, Gyeong-Moon Kim, Chin-Sang Chung, Kwang Ho Lee, Dept of Neurology, Samsung Medical Ctr, Sungkyunkwan Univ Sch of Med, Seoul, Republic of Korea

P234
Metabolic Syndrome is Associated With the Asymptomatic Phase of Intracranial Atherosclerosis
Elena Lopez-Cancio, Laura Dorado, Silvia Reverte, Ana Suñol, Amparo Galán, HUGTIP, Badalona (Barcelona), Spain; Maite Alzamora, Pere Toran, Guillem Pera, Res Unit Barcelonés Nord Maresme ICS-IDIAP Jordi Gol, Mataró (Barcelona), Spain; Monica Millán, Antoni Dávalos, HUGTIP, Badalona (Barcelona), Spain; Juan F Arenillas, Hosp Clínico Univirio, Valladolid, Spain

P235
Deep Tiny Collateral Vessels Along With Occluded Middle Cerebral Artery as an Important Source of Collateral Flow
Wei-Hai Xu, Ming-Li Li, Shan Gao, Jun Ni, Li-Xin Zhou, Ming Yao, Bin Peng, Li-Ying Cui, Chinese Acad of Med Science, Beijing, China

P236
Venous Hemodynamics and Dramatic Expansion of the Cerebral Veins Sustain Collateral Perfusion in Moyamoya
David S Liebeskind, Qing Hao, Jeffry R Alger, UCLA, Los Angeles, CA

P237
Plasma Adiponectin Was Associated With Clinical Severity and Outcome in Patients With Atherothrombotic Brain Infarction
Manabu Izumi, Ken Nagata, Daiki Takano, Akifumi Suzuki, Tatsuya Ishikawa, Junta Moroi, Tetsuya Maeda, Risako Fujiwara, Yukihiko Ono, Brain and Blood Vessels-Akita, Akita, Japan; Hiroshi Ito, Akita Univ Sch of Med, Akita, Japan

P238
Safety of Stent-supported Revascularization in the Setting of Acutely Symptomatic/Unstable Intracranial Atherovascular Disease (ICAD)
Ambooj Tiwari, Amit Kansara, Mahmoud Rayes, Paritosh Pandey, Andrew Xavier, Wayne State Univ, Detroit, MI

P239
Paradoxical Responses on Breath-holding TCD in Reversible Cerebral Vasocostriction Syndromes (RCVS)
Giselle Silva, Massachusetts General Hosp, Boston, MA; Eric E Smith, Univ of Calgary, Calgary, AB, Canada; Mehmet A Topcuoglu, Hacettepe Univ, Ankara, Turkey; Aneesh B Singhal, Massachusetts General Hosp, Boston, MA

P240
Intracranial Atherosclerosis and White Matter Changes Are Both Independent Predictors for Further Vascular Events or Death in Acute Ischemic Cerebrovascular Disease Patients
Li Ping Liu, Yue Hua Pu, Yi Long Wang, Yong Zhou, Xin Ying Zou, Xing Quan Zhao, Beijing Tiantan Hosp of Capital Medical Univ, Beijing, China; Qi-yan Yannie Soo, Ka Sing Wong, the Chinese Univ of Hong Kong, Prince of Wales Hosp, Shatin, Hong Kong, China; Yong Jun Wang, Beijing Tiantan Hosp of Capital Medical Univ, Beijing, China
Ischemic Stroke Intervention Posters II  P241 – P252

SECTION 9

Moderator:  Rishi Gupta, MD, Nashville, TN

P241
Clinical versus Baseline Imaging Variables for Prediction of Poor Outcome in Endovascular Stroke Therapies
Suman Kalanithi, Jeffrey Saver, Sidney Starkman, Lara Zimmermann, Qing Hao, UCLA Neurology, Los Angeles, CA; Reza Jahan, Gary Duckwiler, UCLA Interventional Neuroradiology, Los Angeles, CA; Fernando Vinuela, UCLA Neurology, Los Angeles, CA; Satoshi Yatteshima, Nestor Gonzalez, UCLA Interventional Neuroradiology, Los Angeles, CA; Paul Vespa, Noriko Salamon, David S Liebeskind, UCLA Neurology, Los Angeles, CA

P242
Endovascular Therapy for Posterior Circulation Acute Ischemic Stroke: A Single Center Experience
Aitziber Aleu, Ridwan Lin, UPMC Stroke Inst, Pittsburgh, PA; Nirav A Vora, Saint Louis Univ Dept of Neurology & Psychiatry, St Louis, MO; Amer M Malik, Nishant S Ranawat, UPMC Stroke Inst, Pittsburgh, PA; Brian T Jankowitz, UPMC Dept of Neurological Surgery, Pittsburgh, PA; Mouhammad Jumaa, Syed F Zaidi, Jennifer Oakley, Susan Kim, Ken Uchino, Vivek K Reddy, Maxim D Hammer, Lawrence R Wechsler, UPMC Stroke Inst, Pittsburgh, PA; Michael B Horowitz, UPMC Deparment of Neurological Surgery, Pittsburgh, PA; Tudor G Jovin, UPMC Stroke Inst, Pittsburgh, PA

P243
Safety of Stent-supported Intracranial Recanalization in the setting of Acute Cerebrovascular Occlusions
Ambooj Tiwari, Paritosh Pandey, Amit Kansara, Mahmoud Rayes, Andrew Xavier, Wayne State Univ, Detroit, MI

P244
Hyperglycemia in Endovascular Therapy for Acute Ischemic Stroke: Impact on Recanalization and Hemorrhagic Transformation
Radoslav Raychev, Jeffrey Saver, Qing Hao, Monica Sapo, Sidney Strakman, Jignesh Gadgia, Latisha Ali, Doojin Kim, Bruce Ovbiagele, Reza Jahan, Fernando Vinuela, Gary Duckwiler, Satoshi Tateshima, Nestor Gonzales, Michael Froehler, Matthew Tenser, Noriko Salamon, Farzad Buxey, Paul Vespa, David Liebeskind, UCLA Stroke Ctr, Los Angeles, CA

P245
Comparison Between Thrombolytic Bridging Therapy and Primary Endovascular Treatment in Acute Ischemic Stroke: A Multicenter Study
Jefferson T Miley, Gabriela Vazquez, Muhammad Zeeshan Memon, Haitham M Hussein, M Fareed Suri, Gustavo J Rodriguez, Ramachandra P Tummala, Robert A Taylor, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P246
Safety of High Doses of Urokinase and Reteplase in Intra-arterial Therapy for Acute Anterior Circulation Ischemic Stroke
Vivek Misra, Ramy El Khoury, Indrani Acosta, Anitha Abraham, Oleg Chernyshev, Peng R Chen, Shuichi Suzuki, Nusrat Harun, Nicole R Gonzales, Andrew D Barreto, James C Grotta, Sean I Savitz, UT Med Sch at Houston, Houston, TX
P247
A Translational Model of Procedure Related Embolic Stroke in the Cynomolgus Macaque: Results of a Blinded, Randomized, Placebo Controlled Study of the PSD-95 Inhibitor, NA-1
Douglas Cook, Lucy Teves, Melissa Madden, Michael Tymianski, Univ Health Network, Toronto, ON, Canada

P248
Research Recruitment Yield of an NIH Acute Stroke Translational Research Center
Jigneshkumar K Gadhiya, Sidney Starkman, David S Liebeskind, Latisha Ali, Bruce Ovbiagele, Doojin Kim, Paul Vespa, Neil Martin, Judy Guzy, Ileana Grunberg, Susan Yun, Michael Froehler, Matthew Tenser, Jeffrey L Saver, UCLA Stroke Ctr, David Geffen Sch of Med, Los Angeles, CA

P249
Efficacy of Intra-arterial Fibrinolysis for Acute Ischemic Stroke: A Meta-analysis of Randomized Controlled Trials
Meng Lee, Chang Gung Memorial Hosp and Univ at Chiayi, Putzu, Taiwan; Keun-Sik Hong, Ilsan Paik Hosp, Inje Univ, Goyang, Republic of Korea; Jeffrey L Saver, Geffen Sch of Med, UCLA, Los Angeles, CA

P250
Impact of MRI Selection on Triage and Outcome of Endovascular Recanalization Therapy in Acute Stroke
Dileep R Yavagal, Univ of Miami Miller Sch, Miami, FL; Tienlong N Pham, Univ of Miami, Miami, FL; Sushrut Dharmadhikari, B J Medical Coll, Pune, India; Abizer Rodriguez, Tiesong Shang, Mike Katsnelson, Elka Wiley, Mohammad A Aziz-Sultan, Gustavo Ortiz, Univ of Miami Miller Sch, Miami, FL

P251
MRI versus CT Perfusion as Selection Criteria for Endovascular Therapy in Acute Ischemic Stroke Patients With Anterior Circulation Intracranial Occlusion Treated Beyond 8 Hours of Symptom Onset
Ridwan Lin, Aitziber Aleu, Mouhammad Jumaa, Amer M Malik, Syed F Zaidi, Nishant S Ranawat, UPMC Stroke Inst, Pittsburgh, PA; Brian T Jankowitz, UPMC Dept of Neurological Surgery, Pittsburgh, PA; Maxim D Hammer, Vivek K Reddy, UPMC Stroke Inst, Pittsburgh, PA; Ken Uchino, UPMC Stroke Inst, Pittsburgh, OH; Lawrence R Wechsler, UPMC Stroke Inst, Pittsburgh, PA; Michael B Horowitz, UPMC Dept of Neurological Surgery, Pittsburgh, PA; Tudor G Jovin, UPMC Stroke Inst, Pittsburgh, PA

P252
Telemedicine Networks and Intra-Arterial Procedures: Improving Selection and Management of Acute Stroke Patients in Community Hospitals
Marc Ribo, Hosp Vall d’Hebron, Barcelona, Spain; Angels Pedragosa, Hosp Generalde Vic, Barcelona, Spain; Carlos Molina, Marta Rubiera, Olga Maisterra, Jorge Pagola, José Alvarez-Sabin, Hosp Vall d’Hebron, Barcelona, Spain
P253
Plasma Brain Natriuretic Peptide Should Be a Good Predictive Marker of Death During Hospitalization in Acute Ischemic Stroke and Transient Ischemic Attack Patients With Atrial Fibrillation
Kensaku Shibazaki, Kazumi Kimura, Kenichiro Sakai, Yasuyuki Iguchi, Junya Aoki, Kazuto Kobayashi, Takeshi Iwanaga, Masao Watanabe, Kawasaki Medical Sch, Kurashiki Okaya, Japan

P254
An Emerging Indicator of Vascular Calcification, Alkalaine Phosphatase is Related to Mortality After Acute Stroke and Cerebral Small Vessel Disease: The SNUH-PROST Study
Wi-Sun Ryu, Sang-Soon Park, Young Seo Kim, Byung-Woo Yoon, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

P255
Growth-differentiation Factor-15 in Ischemic Stroke: Relation to Long Term Outcome
Hans Worthmann, Tibor Kempf, Anita B Tryc, Annemarie Goldbecker, Milani Deb, Medical Sch Hannover, Hannover, Germany; Yue T Ma, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Argyro Toulopoulou, Juergen Lambrecht, Meike Heeren, Reinhard Dengler, Ralf Lichtinghagen, Kai C Wollert, Karin Weissenborn, Medical Sch Hannover, Hannover, Germany

P256
Indices of Kidney Function and Prediction of Long-term Mortality in Unselected Patients With Acute Stroke
David Tanne, Yvonne Schwammenthal, Rakefet Tsabari, Noa Molshatzki, Chaim Sheba Medical Ctr, Tel-Hashomer, Israel

P257
Is Chronic Hyperglycemia a Good Predictor of Stroke Outcome: Results From the GRASP Trial
Shaneela Malik, Mark R Conaway, Univ of Virginia Health System, Charlottesville, VA; Christiana E Hall, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Brett M Kissela, Univ of Cincinnati, Cincinnati, OH; Kevin M Barrett, Mayo Clinic, Jacksonville, FL; Karen C Johnston, Univ of Virginia Health System, Charlottesville, VA

P258
Cortisol Concentration is Related to Stroke Severity: Results From the GRASP Trial
Christiana E Hall, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Shaneela Malik, Mark R Conaway, Univ of Virginia, Charlottesville, VA; Thomas P Bleck, Rush Univ Medical Ctr, Chicago, IL; Brett M Kissela, Univ of Cincinnati, Cincinnati, OH; Karen C Johnston, Univ of Virginia, Charlottesville, VA

P259
Functional Outcome and Its Predictors in Young Adults After First-Ever Ischemic Stroke
Jukka Putaala, Antti J Metso, Tiina M Metso, Ville Arto, Markku Kaste, Turgut Tatlisumak, Helsinki Univ Central Hosp, Helsinki, Finland
Lower-extremity Peripheral Artery Disease is Associated With Worse Acute Functional Outcome in Different Subtypes of Ischemic Stroke
Yu-Wei Chen, Landseed Hosp, Taoyuan, Taiwan; Jiang-Shing Jeng, Natl Taiwan Univ Hosp, Taipei, Taiwan; Li-Ming Lien, Shin Kong Wu Ho-Su Memorial Hosp, Taipei, Taiwan; Sien-Tsong Chen, Chang Gung Memorial Hosp, Linkou, Taiwan; Hung-Yi Chiou, Fang-I Hsieh, Taipei Medical Univ, Taipei, Taiwan; Chuan-Fa Hsieh, Chen-Hua Li, Hui-Fen Tsai, Landseed Hosp, Taoyuan, Taiwan; Chun-Yy Hsu, China Medical Univ, Taichung, Taiwan; Mu-Chien Sun, Changhua Christian Hosp, Changhua, Taiwan; Chi-Chin Huang Taiwan Stroke Registry Investigators

Long-term Prognosis After Cryptogenic Stroke in Young Patients With and Without Patent Foramen Ovale: Stroke Recurrence Rate in a Hospital-based Series
Antonio Arauz, Insto Nacional de Neurologia, Mexico, Mexico; Luis Murillo, Hosp Angelas del Carmen, Guadalajara, Mexico; Fernando Barinagarrementeria, Hosp Angeles, Queretaro, Mexico; Carlos Cantu, Insto Nacional de Ciencias Medicas y Nutricion, Mexico, Mexico; Javier Roldan, Jesus Vargas-Barron, Insto Nacional de Cardiologia Ignacio Chávez, Mexico, Mexico

Risk of Recurrent Stroke, Myocardial Infarction or Death in Hospitalized Stroke Patients in South Carolina
Wuwei Feng, Dept of Neuroscience, Medical Univ of South Carolina, Charleston, SC; Robert M Hendry, Coll of Med, Medical Univ of South Carolina, Charleston, SC; Robert J Adams, Dept of Neuroscience, Medical Univ of South Carolina, Charleston, SC

Long-term Cardiovascular Mortality in Patients With Atrial Fibrillation
Myoung-Jin Cha, Young Dae Kim, Ji Hoe Heo, Hyo Suk Nam, Yonsei Univ Coll of Med, Seoul, Republic of Korea

Compliance With Stroke Education in the Michigan Paul Coverdell National Acute Stroke Registry
Adrienne V Nickles, Univ of Michigan, Ann Arbor, MI; Jay Fiedler, Sarah Lyon-Calio, Michigan Dept of Community Health, Lansing, MI; Mathew Reeves, Michigan State Univ, East Lansing, MI

Inhalation of Hydrogen Gas Protects Cerebrovascular Reactivity Against Moderate but Not Severe Perinatal Hypoxic Injury in Newborn Piglets
Ferenc Bari, Orsolya Olah, Istvan Nemeth, Marietta Hugyecz, Ferenc Domoki, Univ of Szeged, Szeged, Hungary

High Critical Care Utilization in Children With Stroke
Christine K Fox, S Claiborne Johnston, UCSF, San Francisco, CA; Stephen Sidney, Div of Res, Kaiser Permanente Northern California, Oakland, CA; Heather J Fullerton, UCSF, San Francisco, CA

Pediatric Stroke & Vascular Cognitive Impairment Posters II

SECTION 11

Moderators: Jose G Merino, MD, Bethesda, MD
(Vascular Cognitive Impairment)
Meredith R Golomb, MD, MS, Indianapolis, IN
(Pediatric Stroke)
P267
ABC/XYZ Estimates Intracerebral Hemorrhage Volume as a Percent of Total Brain Volume in Children

P268
Is BMI Related to Stroke in Children?
Nancy K Hills, S Claiborne Johnston, UC San Francisco, San Francisco, CA; Stephen Sidney, Kaiser Permanente, Oakland, CA; Heather J Fullerton, UC San Francisco, San Francisco, CA

P269
Development and Validation of a Novel Questionnaire for the Measurement of Quality of Life Among Survivors of Childhood Stroke
Andrea Kirou-Mauro, Univ of Toronto, Toronto, ON, Canada; Gabrielle deVeber, Hosp for Sick Children, Toronto, ON, Canada; Sharon Friefeld, Univ of Toronto, Toronto, ON, Canada

P270
ABC/2: A Bedside Method for Estimating ICH Volume and Total Brain Volume in Children
Jonathan T Kleinman, Argye E Hillis, Lori C Jordan, Johns Hopkins Univ Sch of Med, Baltimore, MD

P271
Effects of Clinical Depression on Cognitive Function in Subcortical Ischemic Vascular Dementia: Results From a Cross-sectional Study in Cadasil
Nils Peters, Dept of Neurology, Munich, Germany; Nikola Zieren, Dept of Neurology, LMU Munich, Munich, Germany; Marco Duering, Christian Opherk, Dept of Neurology, Munich, Germany; Hugues Chabrier, Dept of Neurology, Paris, France; Martin Dichgans, Dept of Neurology, Munich, Germany

P272
Increase in Cerebral Perfusion on 99mTc-HMPAO Spec in Patients Following Asymptomatic Carotid Endarterectomy Does Not Mean Better Cognitive Performance
Imma Rico, M Angels Font, Ana Carvajal, Hosp Universi de Bellvitge/IDIBELL, Barcelona, Spain; Montse Juncadella, Hosp Universi de Bellvitge, Barcelona, Spain; Jaume Mora, Hosp Universi Bellvitge, Barcelona, Spain; Marc Cairols, Hosp Universi de Bellvitge, Barcelona, Spain; Jerzy Krupinski, Hosp Universi Mútua Terrassa/Manchester Univ, Terrassa, Spain

P273
Vascular Subcortical Cognitive Impairment Added on an Alzheimer Disease Mouse Model by Chronic Cerebral Hypoperfusion
Jin Soo Lee, Doo Soon Im, Ji Man Hong, In Soo Joo, Byoung Joo Gwag, Ajou Univ, Suwon, Korea, Republic of

P274
Neglect is More Common and Severe at the Extremes of Hemoglobin Levels in Right-Hemispheric Stroke
Rebecca F Gottesman, Zainab Bahrainwala, Argye E Hillis, Johns Hopkins Univ, Baltimore, MD
P275
High Prevalence of Executive Dysfunction in TIA and Minor Ischemic Stroke Patients
Michael Harnadek, London Health Sciences Ctr, London, ON, Canada; Richard Chan, Univ of Western Ontario, London, ON, Canada; Cheryl Mayer, London Health Sciences Ctr, London, ON, Canada; Vladimir Hachinski, Univ of Western Ontario, London, ON, Canada

P276
CADASIL: A New Mutation
Sonal Mehta, Cathy A Sila, Stroke and Cerebrovascular Ctr, Univ Hosp Case Medical Ctr, Cleveland, OH

SAH Management Posters II P277 – P288

SECTION 12

Moderator: Stephen B Lewis, MD, FRACS, Gainesville, FL

P277
Preventing Cerebral Vasospasm Using Intraventricular Thrombolysis After Endovascular Aneurysm Occlusion
John H Wong, Univ of Calgary, Calgary, AB, Canada

P278
Incidence of In-hospital Complications After Aneurysmal Subarachnoid Hemorrhage
Mervyn D Vergouwen, Toronto Western Hosp, Toronto, ON, Canada; Jiming Fang, Melissa Stamplecowski, Annette Roberston, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Leanne K Casaubon, Toronto Western Hosp, Toronto, ON, Canada; Moira K Kapral, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Frank L Silver, Toronto Western Hosp, Toronto, ON, Canada

P279
Endovascular Therapy for Subarachnoid Hemorrhage Secondary to Rupture of Very Small Aneurysms
Ana L Delgado, Adam Sewell, JMH, Miami, FL; Alois Zauner, Santa Barbara Cottage Care Ctr, Santa Barbara, CA

P280
Stimulant Use is Associated With Cerebral Vasospasm After Aneurysmal Subarachnoid Hemorrhage
James K Tatum, Peter Jun, Steven Hetts, Christopher F Dowd, Nerissa U Ko, Univ of California, San Francisco, CA

P281
Red Blood Cell Transfusion May Be More Effective in Augmenting Cerebral Oxygen Delivery After Subarachnoid Hemorrhage at Lower Hemoglobin Levels
Rajat Dhar, Allyson R Zazulia, Tom O Videen, Gregory P Zipfel, Michael N Diringer, Washington Univ Sch of Med, Saint Louis, MO

P282
Endovascular and Neurosurgical Treatment of Cerebral Aneurysms Among Octogenarians: Nationwide Inpatient Sample 2002-2006
Rakesh Khatri, Gabriela Vazquez, Nauman Tariq, M Fareed Suri, Mustapha A Ezzeddine, Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

P283
Lower Incidence of Symptomatic and Asymptomatic Vasospasm in Elderly Aneurysmal Subarachnoid Hemorrhage Patients
Randall Edgell, Sushant Kale, Nirav Vora, Paisith Piriywat, Elaihu Feen, Salvador Cruz-Flores, Saint Louis Univ Hosp, Saint Louis, MO
P284
Usefulness of Intraoperative Indocyanine Green Videoangiography for Intracranial Complex Aneurysms
Dong Kyu Jang, Kyung-Sool Jang, Young-Min Han, Sang-Kyu Park, Hye-Jin Kim, Ye-Kyoung Shin, Incheon St Mary's Hosp, Incheon, Korea, Republic of

P285
No Correlation Between Atmospheric Pressure and Subarachnoid Hemorrhage
William Neill, Michael Moussouttas, Thomas Jefferson Univ Hosp, Philadelphia, PA

P286
Expression of CD163 is Upregulated in Haptoglobin-1 and Haptoglobin-2 Mice After Subarachnoid Hemorrhage
Michael Froehler, UCLA, Los Angeles, CA; Ali Kooshkabadi, Rafael Tamargo, Johns Hopkins, Baltimore, MD

P288
Comparison of the Efficacy of Intraarterial Papaverine and Nimodipine Infusion for Cerebral Vasospasm in Patients With Aneurysmal Subarachnoid Hemorrhage
Young-Je Son, Dae Hee Han, Seoul Natl Univ Boramae Medical Ctr, Seoul, Democratic People's Republic of Korea; Hyun-Seung Kang, Won-Sang Cho, Seoul Natl Univ Hosp, Seoul, Democratic People's Republic of Korea; Jae Hyo Park, Kangwon Natl Univ Hosp, Seoul, Democratic People's Republic of Korea

POSTER SESSION III
THURSDAY, FEBRUARY 25
12:45 pm – 1:45 pm

P289
Lower CHADS$^2$ Score is Associated With Favorable Clinical Outcome After Intravenous rt-PA Therapy in Stroke Patients With AF
Masatoshi Koga, Natl Cardiovascular Ctr, Suita, Japan; Kazumi Kimura, Kensaku Shibazaki, Kawasaki Medical Sch, Kurashiki, Japan; Yoshiaki Shikawa, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawa, Nakamura Memorial Hosp, Sapporo, Japan; Eisuke Furui, Kohnan Hosp, Sendai, Japan; Hiroshi Yamagami, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yusuke Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, St Marianna Univ Sch of Med, Kawasaki, Japan; Kazuomi Kario, Jichi Medical Univ Sch of Med, Shimotsuke, Japan; Satoshi Okuda, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Masaki Naganuma, Kazuo Minematsu, Kazunori Toyoda, Natl Cardiovascular Ctr, Suita, Japan

P290
Thrombolysis in the Very Old Stroke Patient: Stroke Subtypes and Patterns, Complications and Clinical Outcome
Alex Feister, Kristina Szabo, Neurologische Univsklinik, Mannheim, Germany; Stefan Kreisel, Neurozentrum, Ev Krankenhaus, Bielefeld, Germany; Yogesh P Shah, Rolf Kern, Martin Griebe, Michael G Hennerici, Neurologische Univsklinik, Mannheim, Germany
P291
Impact of Baseline Hypoperfusion Severity and Reperfusion on Delayed Recovery After Stroke: A Serial Perfusion-MRI Study
Oh Young Bang, Dept of Neurology, Samsung Medical Ctr, Seoul, Republic of Korea; David Liebeskind, Dept of Neurology, UCLA Stroke Ctr, CA, CA; Jeffrey Saver, Depts of Neurology, UCLA Stroke Ctr, LA, CA; Gyeong-Moon Kim, Chir-Sang Chung, Kwang Ho Lee, Dept of Neurology, Samsung Medical Ctr, Seoul, Republic of Korea

P292
Paradox Among Vascular Neurologists About Acute Treatment for Ischemic Stroke
Ramy El Khoury, Univ of Texas in Houston, Houston, TX; Marc Fisher, Univ of Massachusetts Medical Sch, Worcester, MA; Sean I Savitz, Univ of Texas in Houston, Houston, TX

P293
A Cohort Study Measuring Residual Disability at Discharge After a Mild Stroke
Manoj Mittal, Kansas Univ Medical Ctr, Kansas City, KS; Anne Sophia Jackson, Marilyn M Rymer, Saint Luke’s Brain and Stroke Inst, Kansas City, MO

P294
The Prediction of Clinical Outcome Was Similar With Either CT Perfusion or Clinical Evaluation in 75 Stroke Patients Treated With Intravenous Thrombolysis
Andreas Hansen, Per Meden, Mikael Boesen, Jens Kjeldberg, Derk Krieger, Bispebjerg Hosp, Copenhagen, Denmark

P295
Early Antiplatelet and Anticoagulation After Standard Alteplase Therapy for Acute Ischemic Stroke Does Not Increase Risk of Intracranial Hemorrhage
Lisa A Davis, Marie Luby, John Butman, Steven Warach, NIH, Bethesda, MD; CATALIST Investigators

P296
Ultra-early Thrombolysis for Acute Ischemic Stroke is Linked to Better Outcome and Lower Mortality
Daniel Strbian, Lauri Soinne, Tiina Sairanen, Olli Häppölä, Perttu J Lindsberg, Turgut Tatlisumak, Markku Kaste, Helsinki Univ Central Hosp, Helsinki, Finland; for the Helsinki Stroke Thrombolysis Registry

P297
Thrombolysis in Patients Without Brain Infarction (‘Stroke Mimics’) Rolf Kern, Alex Förster, Martin Griebe, Hansjörg Bäzner, Marc Wolf, Eva Hornberger, Kristina Szabo, Michael G Hennerici, Univ Medical Ctr, Mannheim, Germany

P298
Systolic Blood Pressure and Glycemic Control After Acute Ischemic Stroke: Results From the GRASP Trial
Kevin M Barrett, Mayo Clinic, Jacksonville, FL; Nojan Valadi, Columbus Regional Healthcare System, Columbus, GA; Mark R Conaway, Univ of Virginia, Charlottesville, VA; Christiana E Hall, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Karen C Johnston, Univ of Virginia, Charlottesville, VA; GRASP Investigators

P299
No Differential Effect of IPA Based on Final Stroke Etiologic Subtype: A Reanalysis of the NINDS IPA Trial
Sharyl R Martini, Sharon D Yeatts, Samir R Belagage, Pooja Khatri, Univ Cincinnati, Cincinnati, OH
Renal Function, Hydration Status, and Outcome From Stroke After Thrombolysis
Mark Gorman, Univ of Vermont, Burlington, VT; David Tanne, Sheba Medical Ctr, Tel-Hashomer, Israel; Stephanie R Shaftman, Medical Univ of South Carolina, Charleston, SC; Barbara C Tilley, UTHSC Sch of Public Health, Houston, TX; Steven R Levine, Mount Sinai Sch of Med, New York, NY

Acute Management Posters IIIB P301 – P312

SECTION 2

Moderator: Adnan I Qureshi, MD, FAHA, Minneapolis, MN

The Challenge of Persisting Arterial Occlusion in the Interventional Management of Acute Ischemic Stroke
Luis F Cava, Damon E Patterson, Marta Rubiera, Aaron Anderson, Anne Alexandrov, UAB-Comprehensive Stroke Ctr, Birmingham, AL; Mark R Harrigan, UAB-Interventional Neurosurgery, Birmingham, AL; Joseph Horton, UAB-Interventional Neuroradiology, Birmingham, AL; Edgar Underwood, UAB-Interventional Radiology, Birmingham, AL; Andrei Alexandrov, UAB-Comprehensive Stroke Ctr, Birmingham, AL

Phase IIB Trial of Tenecteplase in Acute Stroke
E Clarke Haley, UVA Health System, Charlottesville, VA; John L Thompson, Columbia Univ, New York, NY; James C Grotta, Univ of Texas at Houston, Houston, TX; Patrick D Lyden, Cedars Sinai, Los Angeles, CA; Thomas M Hemmen, Univ of California at San Diego, San Diego, CA; Devin L Brown, Univ of Michigan, Ann Arbor, MI; Christopher Fanale, Swedish Medical Ctr, Englewood, CO; Richard Libman, Long Island Jewish Hosp, New Hyde Park, NY; Thomas G Kwiatkowski, North Shore Health System, Great Neck, NY; Rafael H Llinas, Johns Hopkins – Bayview, Baltimore, MD; Steven R Levine, Mt Sinai, New York, NY; Karen C Johnston, UVA Health System, Charlottesville, VA; Richard Buchsbaum, Gilberto Levy, Bruce Levin, Columbia Univ, New York, NY; The TNK in Stroke Investigators

Recanalization and Outcome After Intravenous Thrombolysis in Acute Basilar Artery Occlusion in the Basilar Artery International Cooperation Study (BASICS): Does Location of Occlusion Matter?
Jorge Pagola, Carlos A Molina, Marc Ribo, Hosp vall d’Hebron, Barcelona, Spain; Christine A Wijman, Stanford Stroke Ctr, Palo Alto, CA; Wouter J Schonewille, 3 St Antonius Hosp, Niewegein, and the Univ Medical Ctr Utrecht, Utrecht, Netherlands; on behalf of the BASICS investigators

Residual Vessel Length <5 mm on MR Angiography Identifies Poor Responders to 0.6 mg/kg Alteplase in Patients With Acute MCA Occlusion
Teruyuki Hirano, Graduate Sch of Med Sci Kumamoto Univ, Kumamoto, Japan; Makoto Sasaki, Iwate Medical Univ, Morioka, Japan; Etsuro Mori, Tohoku Univ Graduate Sch of Med, Sendai, Japan; Kazuo Minematsu, Natl Cardiovascular Ctr, Osaka, Japan; Jyoji Nakagawara, Nakamura Memorial Hosp, Sapporo, Japan; Takenori Yamaguchi, Natl Cardiovascular Ctr, Osaka, Japan; for the Japan Alteplase Clinical Trial II (J-ACT II) Group
P306
High Diastolic Blood Pressure is Associated With Malignant Progression in Patient With Acute MCA Stroke
Valeria Caso, Maurizio Paciaroni, Andrea Alberti, Michele Venti, Antonia M Billeci, Francesco Palmerini, Giancarlo Agnelli, Silvestrini Hosp, Perugia, Italy

P307
Effects of Blood Pressure and Heart Rate on Recovery From Stroke: Analysis With Ambulatory Blood Pressure Monitoring
Yasuhiro Tomii, Kazunori Toyoda, Rieko Suzuki, Masaki Naganuma, Kazuo Minematsu, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Suita, Japan

P308
Validation of Power M Mode Transcranial Doppler Criteria for Vascular Imaging Proven Proximal Middle Cerebral Artery Occlusion
Joseph Sebastian, Univ of Alberta Hosp, Edmonton, AB, Canada; Vijay K Sharma, Natl Univ Hosp, Singapore, Singapore; Georgios Tsivgoulis, Univ of Alabama, Birmingham, AL; Carol Derksen, Univ of Alberta Hosp, Edmonton, AB, Canada; Andrew Barreto, Univ of Texas, Houston, TX; Mohammad Ibrahim, Univ of Alberta Hosp, Edmonton, AB, Canada; Carlos A Molina, Hosp Vall d’Hebron, Barcelona, Spain; Thang Nguyen Huy, Univ of Alabama, Birmingham, AL; Andrew Demchuk, Univ of Calgary, Calgary, AB, Canada; Khurshid Khan, Univ of Alberta Hosp, Edmonton, AB, Canada; Marta Rubiera, Hosp Vall d’Hebron, Barcelona, Spain; Ashfaq Shuaib, Univ of Alberta Hosp, Edmonton, AB, Canada; Andrie Alexandrov, Univ of Alabama, Birmingham, AL; Maher Saqqu, Univ of Alberta Hosp, Edmonton, AB, Canada; CLOTBUST Pro Investigators

P309
Detecting Derangements in Blood-Brain Barrier Integrity With Perfusion MRI in Stroke Patients
Richard Leigh, Argye E Hillis, Peter B Barker, Johns Hopkins University, Baltimore, MD

P310
Natural History of Untreated Strokes Due to Proximal Anterior Circulation Occlusions Detected on CT Angiography
Fabricio O Lima, Gisele S Silva, Leonardo M Batista, Erica C Camargo, Aneesh B Singhal, Hakan Ay, David M Greer, Albert J Yoo, Michael H Lev, Gordon J Harris, Massachusetts General Hosp, Boston, MA; Walter J Koroshetz, NIH/NINDS, Bethesda, MD; Wade S Smith, UCSF Medical Ctr, San Francisco, CA; Karen L Furie, Raul G Nogueira, Massachusetts General Hosp, Boston, MA

P311
Outcomes in Patients Not Receiving Thrombolysis Due to Mild Deficits or Rapidly Improving Symptoms

P312
Lesion Evolution in Stroke and Ischemia On Neuroimaging (LESION Project); MRI Defined Pathology in Acute Ischemic Stroke
Katherine D Ku, Marie Luby, Lawrence L Latour, Steven Warach, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; NINDS Natural History of Stroke Investigators
SECTION 3

P313
A Variant in the Adenosine 2B Receptor Gene is Associated With Homocysteine Levels and Stroke Severity in African American Subjects From the Vitamin Intervention for Stroke Prevention (VISP) Trial
Michele M Sale, Univ of Virginia, Charlottesville, VA; Fang-Chi Hsu, Wake Forest Univ, Winston-Salem, NC; Josyf C Mychaleckyj, Stephen S Rich, Univ of Virginia, Charlottesville, VA; Karen L Furie, Massachusetts General Hosp and Harvard Univ, Boston, MA; Bradford B Worrall, Univ of Virginia, Charlottesville, VA

P314
Genotyping Recurrence Of Stroke (GRECOS) Project: Two Genes Involved in Hypoxia Responses and Blood Brain Barrier Function Are Associated With Vascular Recurrence in a Preliminary Study
Maite Mendioroz, Israel Fernández-Cadenas, Vall d’Hebron Hosp, Barcelona, Spain; Adrià Arboix, Sagrat Cor Hosp, Barcelona, Spain; Ernest Palomeras, Mataró Hosp, Mataró, Spain; Marimar Freijojo, Basurto Hosp, Basurto, Spain; Marc Ribó, David Salat, Vall d’Hebron Hosp, Barcelona, Spain; David Cánovas, Parc Taulí Hosp, Sabadell, Spain; Marta Grau, Sagrat Cor Hosp, Barcelona, Spain; Jurek Krupinski, Mutua Terrassa Hosp, Terrassa, Spain; Maria Angels Font, Francisco Rubio, Bellvitge Hosp, Barcelona, Spain; Juan Arenillas, Clínico Hosp, Valladolid, Spain; Antonio Dávalos, Germans Trias i Pujol, Badalona, Spain; Maite Martínez-Zabaleta, Donostia Hosp, Donostia, Spain; Jaime Masjuan, Ramón y Cajal Hosp, Madrid, Spain; Carlos Piñana, Virgen de las Nieves Hosp, Granada, Spain; Pachi Moniche, Virgen del Rocío Hosp, Sevilla, Spain; Joaquín Serena, Josep Trueta Hosp, Girona, Spain; Francisco Purroy, Arnau de Vilanova Hosp, Lleida, Spain; Joan Martí, Sant Pau Hosp, Barcelona, Spain; Jaume Roquer, Mar Hosp, Barcelona, Spain; Carlos Tejero, Lozano Blesa Hosp, Zaragoza, Spain; Nuria Aymerich, Navarra Hosp, Pamplona, Spain; Jessica Fernández-Morales, Dolores Giralt, Alberto Del-Río, José Álvarez-Sabín, Joan Montaner, Sophie Domingues-Montanari, Vall d’Hebron Hosp, Barcelona, Spain

P315
Investigation of Recurrent Stroke Risk in the Vitamin Intervention for Stroke Prevention (VISP) Trial Suggests Different Genetic Influences on Prevalent and Incident Stroke
Rohan K Patel, Gustavo A Elias, Univ of Virginia, Charlottesville, VA; Fang-Chi Hsu, Wake Forest Univ, Winston-Salem, NC; Josyf C Mychaleckyj, Wei-Min Chen, Bradford B Worrall, Michele M Sale, Univ of Virginia, Charlottesville, VA

P316
Association of a Transcobalamin 2 (TCN2) Variant Located in the 3’UTR With Post-stroke Homocysteine Level in Subjects From the Vitamin Intervention for Stroke Prevention Trial
Gustavo A Elias, Rohan K Patel, Univ of Virginia Sch of Med, Charlottesville, VA; Wei-Men Chen, Josyf C Mychaleckyj, Univ of Virginia, Charlottesville, VA; Fang-Chi Hsu, Wake Forest Univ Sch of Med, Winston-Salem, NC; Bradford B Worrall, Univ of Virginia Sch of Med, Charlottesville, VA; Michele M Sale, Univ of Virginia, Charlottesville, VA

P317
Can Ancestry Help to Identify Stroke Genes in Mexican Americans?
Lynda D Lisabeth, Lewis B Morgenstern, Sharon L Kardia, David T Burke, Jeffrey Long, Univ Michigan, Ann Arbor, MI
P318
A Significant Association of a Novel SNP (rs12425791) and the Risk of Ischemic Stroke in Taiwanese
Yi-Chen Hsieh, Fang-I Hsieh, Chia-Chen Yu, Yo-Ling Li, Taipei Medical Univ, Taipei, Taiwan; Li-Ming Lien, Chyi-Huey Bai, Shin Kong Wu Ho-Su Memorial Hosp, Taipei, Taiwan; Chaur-Jong Hu, Taipei Medical Univ Hosp and Shuang Ho Hosp, Taipei, Taiwan; Jiann-Shing Jeng, Sung-Chun Tang, Natl Taiwan Univ Hosp, Taipei, Taiwan; Hui-Juan Lin, Chi-Mei Medical Ctr, Tainan, Taiwan; Hung-Ping Tseng, Lotung Poh-Ai Hosp, Ilan, Taiwan; Hung-Yi Chiu, Taipei Medical Univ, Taipei, Taiwan

P319
Ischemic Stroke and Coronary Artery Disease Share a Common Genetic Background: An Empirical Investigation of Validated Associations
Issa J Dahabreh, Georgios Kitsios, Thomas A Trikalinos, David M Kent, ICRHPS, Tufts Medical Ctr, Boston, MA

P320
Diastolic Dysfunction and Ischemic Stroke: A Case-control Comparison
Phoebe Ezidinma, John T Barron, Michael J Schneck, Loyola Univ Medical Ctr, Maywood, IL

P322
The Effects of Atrial Fibrillation on Infarct Evolution and Outcome
Hans T Tu, Bruce C Campbell, Soren Christensen, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia; Kenneth S Butcher, Univ of Alberta, Edmonton, AB, Canada; Marnie Collins, Statistical Consulting Ctr, Univ of Melbourne, Parkville, Australia; Mark W Parsons, John Hunter Hosp, University of Newcastle, Newcastle, Australia; Patricia M Desmond, Royal Melbourne Hosp, Parkville, Australia; P Alan Barber, Univ of Auckland, Auckland, New Zealand; Christopher R Levi, John Hunter Hosp, University of Newcastle, Newcastle, Australia; Christopher Bladin, Box Hill Hosp, Monash University, Box Hill, Australia; Deidre A De Silva, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia; Geoffrey A Donnan, Florey Neuroscience Inst, Univ of Melbourne, Parkville, Australia; Stephen M Davis, Royal Melbourne Hosp, Univ of Melbourne, Parkville, Australia

P323
Heart Rate Variability and Incident Atrial Fibrillation: The Atherosclerosis Risks in Communities Study
Sunil K Agarwal, Univ of NC at Chapel Hill, Chapel Hill, NC; Alvaro Alonso, Univ of Minnesota, Minneapolis, MN; Elsayed Z Soliman, Wake Forest Univ, Winston Salem, NC; Alanna Chamberlain, Univ of Minnesota, Minneapolis, MN; Marietta Ambrose, Johns Hopkins Univ, Baltimore, MD; Ross J Simpson Jr, Gerardo Heiss, Univ of NC at Chapel Hill, Chapel Hill, NC

P324
Phenotypic Characteristics by Consent Status: Comparison of Self-consent, Proxy-consent, and Waiver of Consent in the Genetics of Cerebral Hemorrhage in Anticoagulation (GOCHA) Study
Kristin M Schwab, MGH, Boston, MA; Donna T Chen, UVA Health System, Charlottesville, VA; Devin L Brown, Univ of Michigan, Ann Arbor, MI; Jennifer J Majersik, Univ of Utah, Salt Lake City, UT; Magdy H Selim, Beth Israel Deaconess Medical Ctr, Boston, MA; Scott L Silliman, Univ of Florida, Jacksonville, FL; James F Meschia, Mayo Clinic, Jacksonville, FL; Alison Ayres, Lynelle M Cortellini, Steven M Greenberg, Jonathan Rosand, MGH, Boston, MA; Bradford B Worrall, UVA Health System, Charlottesville, VA
Moderator: Mai N Nguyen-Huy nh, MD, MA, San Francisco, CA

P325
Acute Stroke Imaging: Surveying the Landscape for a Roadmap in the 2010s
David S Liebeskind, Liliana Ramirez Gomez, Qing Hao, James W Sayre, UCLA, Los Angeles, CA

P326
The Application of MRI for Depiction of Blood Brain Barrier Opening in Stroke
Yael Mardor, David Tanne, Dianne Daniels, David Last, Ran Shneor, David Guez, Yiftach Roth, Aharon Ocherashvilli, Mati Bakon, Amit Weinberg, Sheba Medical Ctr, Ramat-Gan, Israel; Talila Volk, David Israeli, Weizmann Inst, Rechovot, Israel

P327
Acute Damage to the Corticospinal Tract on Posterior Limb of Internal Capsule is Associated With a Poor Functional Motor Outcome
Josep Puig, Gerard Blasco, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Josep Daunis-i-Estadella, Dept of Informatics and Applied Mathematics, Univ of Girona, Girona, Spain; Sebastia Remolpo, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Ferran Prados, Inst of Informatics and Applications, Univ of Girona, Girona, Spain; Alberto Prats, Lab of Surgical Neuroanatomy, Human Anatomy and Embriology Unit, Faculty of Med, Univ of Barcelona, Barcelona, Spain; Imma Boada, Inst of Informatics and Applications, Univ of Girona, Girona, Spain; Javier Sanchez-Gonzalez, Philips Healthcare Iberia, Madrid, Spain; Mar Castellanos, Joaquin Serena, Joaquin Serena, Dept of Neurology, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Salvador Pedraza, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain

P328
Validation of Fractional Anisotropy as a Promising Imaging Biomarker of Motor Outcome After Stroke
Josep Puig, Gerard Blasco, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Josep Daunis-i-Estadella, Dept of Informatics and Applied Mathematics, Univ of Girona, Girona, Spain; Sebastia Remolpo, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Ferran Prados, Inst of Informatics and Applications, Univ of Girona, Girona, Spain; Alberto Prats, Lab of Surgical Neuroanatomy, Human Anatomy and Embriology Unit, Faculty of Med, Univ of Barcelona, Barcelona, Spain; Imma Boada, Inst of Informatics and Applications, Univ of Girona, Girona, Spain; Javier Sanchez-Gonzalez, Philips Healthcare Iberia, Madrid, Spain; Mar Castellanos, Joaquin Serena, Joaquin Serena, Dept of Neurology, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain; Salvador Pedraza, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univeri de Girona Dr Josep Trueta, Girona, Spain

P329
Low Cerebral Blood Volume is Not Predictive of Diffusion Restriction in Minor Stroke
Michael E Knash, Bilal Hameed, Monica Saini, Thomas Jeerakathil, Derek Emery, Ken Butcher, Univ of Alberta, Edmonton, AB, Canada

P330
Cost-effectiveness of Multi-modal CT for Evaluating Acute Stroke
Kate C Young, Curtis G Benesch, Babak S Jahromi, Univ of Rochester Medical Ctr, Rochester, NY
P331
CT Perfusion Cerebral Blood Flow Not Blood Volume Optimally Correlates With Admission Diffusion Weighting Imaging Assessment of Core Infarction Lesion Volume in Acute Stroke Patients
Shahmir Kamalian, Shervin Kamalian, Seyedmehdi Payabvash, Pamela W Schaefer, Karen L Furie, Ramon G Gonzalez, Michael H Lev, Massachussetts General Hosp, Boston, MA

P332
Is the MTT a Reliable Surrogate of the Penumbra in Ischemic Stroke?
Emmanuel Carrera, P Simon Jones, Serge Iglesias, Joseph V Guadagno, Elizabeth A Warburton, Tim D Fryer, Franklin I Aigbirhio, Jean-Claude Baron, Cambridge Univ, Cambridge, United Kingdom

P333
Thrombus Attenuation on Thin-section Noncontrast CT Predicts Early Vascular Recanalization After Thrombolysis
Josep Puig, Helena F Termes, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univri de Girona Dr Josep Trueta, Girona, Spain; Josep Daunis-i-Estadella, Dept of Informatics and Applied Mathematics, Univ of Girona, Girona, Spain; Gerard Blasco, Gemma Laguillo, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univri de Girona Dr Josep Trueta, Girona, Spain; Anton Bardera, Imma Boada, Inst of Informatics and Applications, Univ of Girona, Girona, Spain; Mar Castellanos, Joaquin Serena, Dept of Neurology, Hosp Univri de Girona Dr Josep Trueta, Girona, Spain; Salvador Pedraza, Dept of Radiology (IDI), Girona Biomedical Res Inst, Hosp Univri de Girona Dr Josep Trueta, Girona, Spain

P334
Prior Statin Use May Be Associated With Lower Blood Brain Barrier Permeability in Acute Ischemic Stroke
Tzu-Ching Wu, Mallikarjunarao Kasam, Hesna Bektas, Vivek Misra, Oleg Y Chernyshev, Nusrat Harun, Clark W Sitton, James C Grotta, Sean I Savitz, Univ of Texas, Houston, Houston, TX

P335
Comparison of Positron Emission Tomography With O15 and Magnetic Resonance Imaging-based Modalities to Assess Hemodynamic Compromise in Patients With Complete Carotid Occlusion
Rebecca Grysiwicz, Karriem Watson, Keith Thulborn, Sepideh Amin-Hanjani, Xinjian Du, Aslam Khaja, UIC, Chicago, IL; William J Powers, UNC, Chapel Hill, NC; Tom O Videen, WUSM, St Louis, MO; Fady Charbel, Sean Ruland, UIC, Chicago, IL

P336
Relationship Between Apparent Diffusion Coefficient (ADC) and Early Recanalization After t-PA Infusion
Kazuto Kobayashi, Kensaku Shibazaki, Dept of Stroke Med Kawasaki Medical Sch, Kurashiki, Japan; Toshinori Abe, Dept of Radiology Kawasaki Medical Sch, Kurashiki, Japan; Kimiko Fukunaga, Yuki Sakamoto, Nobuyuki Kaneko, Kenichiro Sakai, Junya Aoki, Shinji Yamashita, Sachiko Mitomi, Masao Watanabe, Takeshi Iwanga, Noriko Matsumoto, Kensaku Shibazaki, Yasuyuki Iguchi, Kazumi Kimura, Dept of Stroke Med Kawasaki Medical Sch, Kurashiki, Japan
SECTION 5

Moderators: Jaroslaw Aronowski, MS, PhD, Houston, TX
(Hemorrhage – Intraparenchymal)
Natalia S Rost, MD, MA, Boston, MA
(Diagnosis)

P337
TLR4 Deficient Mice Have Better Functional Outcome After Intracerebral Hemorrhage
Lauren H Sansing, Benjamin Kaufman, Puneet Agarwal, Frank Welsh, Scott Kasner, Katalin Kariko, Univ of Pennsylvania, Philadelphia, PA

P338
Lower Coated-platelet Levels Are Associated With Early Hemorrhagic Transformation of Non-lacunar Brain Infarction
Calin Prodan, George Dale, Univ of Oklahoma, Oklahoma City, OK

P339
The 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase Inhibitor Simvastatin Reduces Thrombolytic-induced Intracerebral Hemorrhage in Embolized Rabbits
Paul A Lapchak, Moon Ku Han, UCSD Neurosciences, La Jolla, CA

P340
Predictors and Impact of Hematoma Resorption in Medically Treated Patients With Intracerebral Hemorrhage
Nauman Tariq, Haitham M Hussein, Gabriela Vazquez, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Yuko Y Palesch, Renee’ Martin, Div of Biostatistics and Epidemiology, Medical Univ of South Carolina, Charleston, SC; Jill Novitzke, M Fareed Suri, Adnan I Qureshi, Mustapha A Ezzeddine, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; ATACH Investigators

P341
Spatial Association Between Cerebral Microbleeds and ß-Amyloid Deposition in Cerebral Amyloid Angiopathy
Gregory A Dierksen, Maureen E Skehan, Muhammad A Khan, Massachusetts Gerneral Hosp, Dept of Neurology, Boston, MA; John A Becker, Massachusetts Gerneral Hosp, Dept of Radiology, Boston, MA; Rebecca A Betensky, Harvard Sch of Public Health, Dept of Biostatistics, Boston, MA; Matthew P Frosch, Massachusetts Gerneral Hosp, Dept of Neuropathology, Boston, MA; Jonathan Rosand, Anand Viswanathan, Massachusetts Gerneral Hosp, Dept of Neurology, Boston, MA; Keith Johnson, David H Salat, Massachusetts Gerneral Hosp, Dept of Radiology, Boston, MA; Steven M Greenberg, Massachusetts Gerneral Hosp, Dept of Neurology, Boston, MA

P342
Blood-Brain Barrier Permeability Assessed by Perfusion-CT Predicts Symptomatic Hemorrhagic Transformation in Acute Ischemic Stroke
Jason Hom, Jan W Dankbaar, Thomas Schneider, Su-Chun Cheng, Joerg Bredno, Max Wintermark, Univ California San Francisco, San Francisco, CA

P343
Initial Large Infarct Size Should Be Associated With Hemorrhagic Transformation in Acute Cerebellar Stroke
Yuki Sakamoto, Junya Aoki, Yasuyuki Iguchi, Noriko Matsumoto, Kensaku Shibazaki, Masao Watanabe, Takeshi Iwanaga, Kazumi Kimura, Dept of Stroke Med, Kawasaki Medical Sch, Kurashiki Okayama, Japan
P344 MRI Profile of the Perihematomal Region in Acute Intracerebral Hemorrhage
J-m Olivot, Michael Mlynash, Jonathan T Kleinman, Stanford Stroke Ctr, Palo Alto, CA; Matus Straka, Dept of Radiology and the Stanford Stroke Ctr, Palo Alto, CA; Chitra Venkatasubramanian, Stanford Stroke Ctr, Palo Alto, CA; Roland Bammer, Michael Moseley, Dept of Radiology and the Stanford Stroke Ctr, Palo Alto, CA; Gregory W Albers, Christine A Wijman, Stanford Stroke Ctr, Palo Alto, CA; DASH Investigators

P345 Multiparametric MRI ISODATA Analysis in the Assessment of Acute Ischemic Stroke
Panayiotis Mitsias, Mei Lu, Hassan Bagher-Ebadian, James R Ewing, Hamid Soltantan-Zadeh, Alissa Kapke, Michael Chopp, Henry Ford Hosp, Detroit, MI

P346 MRI Criteria for Salvageable Tissue in Diffusion Lesions and Perfusion-diffusion Mismatch Regions: Effects of Mean Transit Time and Early Reperfusion
Kristjana Y Jonsdottir, Kim Mouridsen, Niels Hjort, Leif Østergaard, Aarhus Univ Hosp – CFIN, Aarhus, Denmark

P347 Infarct Core Size Greater Than 58 cc on Thresholded CT Cerebral Blood Flow Maps is Highly Correlated With Poor Outcome
Pamela Schaefir, Shahmir Kamalian, Mohammed S Kamalian, Bing Wang, Albert Yoo, Ramon G Gonzalez, Michael H Lev, Massachusetts General Hosp, Boston, MA

P348 IV tPA Prevents Progressive Hypoperfusion During Acute Cerebral Ischemia
Hongyu An, Univ of North Carolina Chapel, Chapel Hill, NC; Andria L Ford, Katie D Vo, Washington Univ in St Louis, St Louis, MO; William J Powers, Univ of North Carolina Chapel, Chapel Hill, NC; Jin-Moo Lee, Washington Univ in St Louis, St Louis, MO; Weili Lin, Univ of North Carolina Chapel, Chapel Hill, NC

Emergency Medicine Posters III P349 – P360

SECTION 6

Moderator: Robert Silbergleit, MD, FAHA, Ann Arbor, MI

P349 Emergency Department Arrival Times After Transient Ischemic Attack
Shannon Kohake, Univ of Cincinnati Dept of Neurology, Cincinnati, OH; Jane Khoury, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Kathleen A Alwell, Univ of Cincinnati Dept of Neurology, Cincinnati, OH; Charles J Moomaw, Cincinnati Children’s Hosp Medical Ctr, Cincinnati, OH; Brett M Kissela, Daniel Woo, Univ of Cincinnati Dept of Neurology, Cincinnati, OH; Opeolu Adeoye, Univ of Cincinnati Dept of Emergency Med, Cincinnati, OH; Matthew L Flaherty, Pooja Khatri, Simona Feriali, Joseph P Broderick, Dawn Kleindorfer, Univ of Cincinnati Dept of Neurology, Cincinnati, OH

P350 Temporal Trends in the Incidence of Transient Ischemic Attack Presenting to Emergency Departments in a Population-Based Study
Laura Heitsch, Jane Khoury, Kathleen A Alwell, Charles J Moomaw, Opeolu Adeoye, Daniel Woo, Matthew L Flaherty, Pooja Khatri, S Feriali, B M Kissela, Joseph P Broderick, Dawn Kleindorfer, Univ of Cincinnati, Cincinnati, OH
P351
Stratified, Urgent Care for TIA Results in Low Stroke Rates
Jason Wasserman, Jeff Perry, Dar Dowlatsahai, Grant Stotts, Ian Stiell, Jane Sutherland, Cheryl Symington, Mikul Sharma, The Ottawa Hosp, Ottawa, ON, Canada

P352
Modifications of the ABCD2 Score Do Not Improve Risk Stratification of TIA Patients Compared to the Standard Score
Jonathan M Raser, Scott E Kasner, Brett L Cucchiara, Univ of Pennsylvania Medical Ctr, Philadelphia, PA

P353
Variables Associated With Discordance Between Emergency Physician and Neurologist Diagnoses of Transient Ischemic Attacks in Patients With Acute Neurological Complaints
Jon W Schrock, Michael Glasenapp, Aaron Victor, Theodore Losey, Rita K Cydulka, MetroHealth Medical Ctr, Cleveland, OH

P354
A Telestroke Network Enhances Recruitment Into Acute Stroke Clinical Trials
Jeffrey A Switzer, Medical Coll of Georgia, Augusta, GA

P355
Introduction of the Portable CT Scanner in the Treatment of Acute Stroke Patients via Telemedicine in Remote Communities
Ashfaq Shuaib, Khurshed Khan, Tammy Whittaker, Patrick Crumbley, Univ of Alberta, edmonton, AB, Canada

P356
A “Non-commercial” Telemedicine System is Feasible and Cost-effective: The Experience of the StrokeCareNow Network
Nils Mueller-Kronast, Fort Wayne Neurological Ctr, Fort Wayne, IN; StrokeCareNow Group

P357
Neurologists Opinions Regarding Telestroke
Julie Tsao, Medical Coll of Georgia, Augusta, GA; Christiana Hall, UT Southerwestern, Dallas, TX; Askiel Bruno, Hartmut Gross, Fenwick T Nichols, David C Hess, Jeffrey Switzer, Medical Coll of Georgia, Augusta, GA

P358
Approaching Optimization for the Location of Primary Stroke Centers at a State Level
Philip M Polgreen, Monica A Severson, Univ of Iowa Hosp and Clinics, Iowa City, IA; Geoffrey Fairchild, Univ of Iowa, Iowa City, IA; Alberto M Segre, Univ of Iowa Hosp and Clinics, Iowa City, IA; Gerard Rushton, Univ of Iowa, Iowa City, IA; Enrique C Leira, Univ of Iowa Hosp and Clinics, Iowa City, IA

P359
Transport Times Did Not Change Between 2004 and 2009, but Thrombolysis Rates Increased From 10 to 18%: Results From the National Acute Stroke-Unit Registry in Austria
Michael Brainin, Claudia Tatschli, Yvonne Teuschl, Leonhard Seyfang, Karl Matz, Raoul Eckhardt, Dpt Neurology, Danube Clinic and Danube Univ, Tullin, Austria

P360
Factors Causing Delay in Arrival of Acute Stroke to the Emergency in a Tertiary Care Hospital in North India
Dheeraj Khurana, Vishal Jaura, J S Thakur, Sudesh Prabhakar, PGIMER, Chandigarh, India
SECTION 7

Moderator: Marilyn Cipolla, PhD, MS, FAHA, Burlington, VT

P362
Tumor Necrosis Factor Alpha Primes Cerebral Endothelial Cells for Erythropoietin-induced Angiogenesis
Lei Wang, Michael Chopp, Hua Teng, Marianne Bolz, Xin Li Wang, Rui Lan Zhang, Lucille Zhang, Zheng Gang Zhang, Henry Ford Health System, Detroit, MI

P363
Sonic Hedgehog Mediates Cerebral Angiogenesis Through Activation of Tissue Plasminogen Activator
Hua Teng, Henry Ford Hosp, Dept of Neurology, Detroit, MI; Michael Chopp, Henry Ford Hosp, Dept of Neurology; Oakland Univ, Physics Dept, Detroit; Rochester, MI; Ann Hozeska-Solgot, Lihong Shen, Bingjie Qiu, Renjay Liu, Zheng Gang Zhang, Henry Ford Hosp, Dept of Neurology, Detroit, MI

P364
MRI of Retinal Ischemia at 12 Tesla
Guang Li, Bryan H DeLaGarza, Fang Du, Eric R Muir, Peter T Fox, Timothy Q Duong, UT Health Science Ctr, RIC, San Antonio, TX

P365
Deletion of Angiotensin II Type 2 Receptor in Hematopoietic Cells Enhanced Brain Damage After Ischemia-Reperfusion Injured Mice
Jun Iwanami, Masaki Mogi, Li-Juan Min, Kana Tsukuda, Akiko Sakata, Jing Fei, Masaru Iwai, Masatsugu Horiuchi, Ehime Univ Graduate Sch of Med, Tohon, Ehime, Japan

P366
Oligodendrocyte Induces Angiogenesis: Possible Role of Oligovascular Niche Under Pathologic Conditions
Ken Arai, Kazuhide Hayakawa, Brian J Lee, Eng H Lo, MGH-Harvard, Charlestown, MA

P367
The Return of Caffeinol to the Bench: Neuroprotection in Old Animals With Acute Ischemic Stroke
Miranda Brenneman, Roger Strong, James Grotta, Jarek Aronowski, Sean I Savitz, Univ Texas Medical Sch Houston, Houston, TX

P368
tPA Expression in Single Astrocytes Captured With Laser Microdissection is Increased After Treatment of Stroke in Mice With Bone Marrow Stromal Cells
Xian Shuang Liu, Yi Li, Xin Li Wang, Hong Qi Xin, Li Hong Shen, Zheng Gang Zhang, Michael Chopp, Dept of Neurology, Henry Ford Health System, Detroit, MI

P369
Inhibition of Mitochondrial Permeability Transition With NIM811 is Neuroprotective in Focal Cerebral Ischemia
Luther C Pettigrew, VA Medical Ctr, Univ of Kentucky, Lexington, KY; William F. Maragos, Univ of Kentucky, Lexington, KY

P370
Impaired Reperfusion and Worse Neurological Outcomes in a Focal Embolic Stroke Model of Diabetic Rats After tPA Thrombolytic Therapy
Xiang Fan, Zhanyang Yu, Haibin Dai, Josephine M. Lok, Anesh B. Singhal, Elizabeth M. Van Cott, Eng H. Lo, Xiaoying Wang, Massachusetts General Hosp, Charlestown, MA
Delayed Treatment With Arimoclomol, a Co-inducer of Heat Shock Proteins, Improves Neurological Outcome After Embolic Stroke in the Rat
Chunling Zhang, Henry Ford Hosp, Detroit, MI; Michael Chopp, Henry Ford Hosp, Detroit; Oakland Univ, Rochester, MI; Yisheng Cui, Mei Lu, Alissa Kapke, Henry Ford Hosp, Detroit, MI; Jack R. Barber, Shi Chung Ng, CytRx Corp, San Diego, CA; Zheng Gang Zhang, Henry Ford Hosp, Detroit, MI

Loss of Long-term Potentiation in the Hippocampus After Experimental Subarachnoid Hemorrhage in Rats
Asma Tariq, Jinglu Ai, Mohamed Sabri, Esther Jeon, Robert Loch Macdonald, St Michaels Hosp Univ Toronto, Toronto, ON, Canada

Comparison of Bone Marrow Stromal Cells Derived From Stroke Rats and Normal Rats for the Treatment of Stroke
Amjad Shehadah, Jieli Chen, Alex Zacharek, Xu Cui, Cynthia Roberts, Mei Lu, Michael Chopp, Henry Ford Hosp, Detroit, MI

Alterations in Cyclin-dependent Kinase 5 Activator p35 Signaling Are Associated With Angiogenesis, in Brain Endothelial Cells
Alessandra Bosutti, Manchester Metropolitan Univ, Manchester, United Kingdom; Roberta Pennucci, Dibit-Istituto Scientifico San Raffaele, Milano, Italy; Sabine Matou, John Gaffney, Manchester Metropolitan Univ, Manchester, United Kingdom; Seth Love, Univ of Bristol, Bristol, United Kingdom; Li-Huei Tsai, Howard Hughes Medical Inst, MIT

Functional and Structural Reorganization After Corticospinal Tract Infarction
Yohei Takenobu, Kyoto Univ HBRC, Kyoto, Japan; Takuya Hayashi, RIKEN Ctr for Molecular Imaging Science, Kobe, Japan; Hiroshi Moriwaki, Akihide Yamamoto, Hiroaki Naritomi, Natl Cardiovascular Ctr, Osaka, Japan; Hidenao Fukuyama, Kyoto Univ HBRC, Kyoto, Japan
P377  
Serotonergic Genes and Post-stroke Emotional Dysfunction  
Smi Choi-Kwon, C of Nursing Seoul Natl U, Seoul, Korea, Democratic People's Republic of; Jong S Kim, Asan Medical Ctr, Seoul, Korea, Democratic People's Republic of; Kyung Hee Cho, Kyemyung Univ, DaeGu, Korea, Democratic People's Republic of; Min Hee Suh, Sun Young Choi, C of Nursing Seoul Natl U, Seoul, Korea, Democratic People's Republic of; Hyun W Na, Asan Medical Ctr, Seoul, Korea, Democratic People's Republic of  

P378  
Inflammatory Mechanisms in Small Vessel Cerebrovascular Disease in a Novel Porcine Model  
John E Jones, Tithra R Koirala, Univ of Virginia Sch of Med, Charlottesville, VA; Jerry Nadler, Eastern Virginia Medical Sch, Norfolk, VA; Ross Gerrity, Medical Coll of George, Augusta, GA; Bradford B Worrall, Univ of Virginia Sch of Med, Charlottesville, VA  

P379  
Thrombin Augments Vascular Disruption via Protease-Activated Receptor-1 After Stroke  
Bo Chen, Qun Cheng, Kai Yang, UCSD, La Jolla, CA; Patrick D Lyden, Cedars-Sinai Medical Ctr, Los Angeles, CA  

P380  
Prognostic Value of Endothelial Progenitor Cells Count After Ischemic Stroke  
Sergi Martinez-Ramirez, Marc Suárez-Calvet, Luís Querol, Hosp de Sant Pau, Barcelona, Spain; Javier Crespo, Ctr de Investigación Cardiovascular ICCC-CSIC, Barcelona, Spain; Raquel Delgado-Mederos, Hosp de Sant Pau, Barcelona, Spain; Esther Peña, Ctr de Investigación Cardiovascular ICCC-CSIC, Barcelona, Spain; Rebeca Marin, Aida Alejandrè, Joan Crespi, Elena Jiménez-Xarrié, Josep Lluís Martí-Vilalta, Joan Martí-Fàbregas, Hosp de Sant Pau, Barcelona, Spain  

P381  
FMRI-guided Development of aProposed Stroke Rehabilitation Device  
Veena A Nair, Leo M Walton, Joseph C Wildenberg, Lin Naing, Dorothy Farrar-Edwards, Justin Sattin, Michelle R Tyler, Mary E Meyerand, Justin Williams, Vivek Prabhakaran, Univ of Wisconsin-Madison, Madison, WI  

P382  
Effects of Granulocyte-colony Stimulating Factor After Stroke in Aged Rats  
Aurel Popa-Wagner, Clinic of Neurology, Greifswald, Germany; Kai Stoeker, Clinic of Neurology, Muenster, Germany; Adrian Tudor Balseanu, Univ of Med and Pharmacy, Craiova, Romania; A Rogalewski, Kai Diederich, Jens Minnerup, Clinic of Neurology, Muenster, Germany; Claudia Margaritescu, Univ of Med and Pharmacy, Craiova, Romania; Wolf Schabitz, Clinic of Neurology, Muenster, Germany  

P383  
Inhibition of Soluble Epoxide Hydrolase Reduces NF-κB Activation in Stimulated Microglia  
Jianming Wang, Ines P Koerner, Anesthesiology & Perioperative Med, Oregon Health&Science Univ, Portland, OR  

P384  
Transcriptome Profiling of Human Multipotent Adult Progenitor Cells Transplanted Into Rat Models of Ischemic Injury in the Central Nervous System  
Jason A Hamilton, Anthony E Ting, Athersys Inc, Cleveland, OH; Sean I Savitz, Univ of Texas-Houston, Houston, TX; James E Carroll, Medical Coll of Georgia, Augusta, GA; Robert J Deans, Robert W Mays, Athersys Inc, Cleveland, OH
Ischemic Stroke Intervention Posters III  P385 – P396

SECTION 9

Moderator:  Rishi Gupta, MD, Nashville, TN

P385
Safety of Stenting in Acutely Symptomatic Basilar Artery Occlusive Disease
Amit Kansara, Ambooj Tiwari, Mahmoud Rayes, Paritosh Pandey, Andrew Xavier, Wayne State Univ, Detroit, MI

P386
Intracranial Hemorrhage and Its Relationship to Reperfusion and Clinical Outcome: An Exploratory Analysis of the PROACT II Trial
Pooja Khatri, Janice A Carrozzella, Univ Cincinnati, Cincinnati, OH; Renee’ H Martin, Sharon D Yeatts, Medical Univ of South Carolina, Charleston, SC; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Anthony J Furlan, Case Western Reserve, Cleveland, OH; Randall Higashida, William P Dillon, UCSF, San Francisco, CA; Joseph P Broderick, Univ Cincinnati, Cincinnati, OH; Yuan Lu, Medical Univ of South Carolina, Charleston, SC; Thomas A Tomsick, Univ Cincinnati, Cincinnati, OH

P387
Withdrawn

P388
Purinergic Receptor Stimulated IP3-Mediated Ca2+ Release Reduces Brain Lesions Induced by Photothrombosis by Increasing Astrocyte Mitochondrial Metabolism
Wei Zheng, Lora Talley Watts, PhD, Deborah Holstein, Eileen Grass, Charles Keller, Chris Walter, James Lechleiter, UTHSCSA, San Antonio, TX

P389
Risk-Benefit Ratio of Intra-arterial Thrombolytic Therapy in Acute Ischemic Stroke Patients With a Matched Defect
Gurpreet S Sandhu, Radiology, Case Western Reserve Univ, Cleveland, OH; Pankit Parikh, Case Western Reserve Univ, Cleveland, OH; Robert Tarr, Kristine Blackham, Daniel Hsu, Jeffrey Sunshine, Radiology, Case Western Reserve Univ, Cleveland, OH

P390
Progesterone and Its Active Metabolite Allopregnanolone Attenuate Blood Brain Barrier Dysfunction Following Permanent Focal Ischemia by Regulating the Expression of Matrix Metalloproteinases
Tauheed Ishrat, Iqbal Sayeed, Fahim Atif, Fang Hua, Jun Wang, Donald G Stein, Emory Univ, Atlanta, GA

P391
Role of Plasma Kallikrein on Ischemic Stroke in Diabetic Rats
Gongxiong Wu, Joslin Diabetes Ctr & Harvard Medical Sch, Boston, MA; Tamie J Chilcote, Sukanto Sinha, ActiveSite Pharmaceuticals Inc, San Francisco, CA; Edward P Feener, Joslin Diabetes Ctr & Harvard Medical Sch, Boston, MA

P392
Does Concurrent Treatment With IV tPA Increase Recanalization Rate for Endovascular Management of Acute Ischemic Stroke?
Bijoy K Menon, Muneer Eesa, Rohit Bhatia, Michael D Hill, Andrew M Demchuk, Mayank Goyal, Univ of Calgary, Calgary, AB, Canada
P393
Intraarterial Neural Stem Cell Delivery Does Not Result in Reduction of CBF and Micro Strokes
Josh Y Chua, Raphael Guzman, Stanford Univ, Stanford, CA

P394
Balloon Angioplasty for Intracranial Atherosclerotic Disease Using New Generation Angioplasty Balloon Catheters: Periprocedural Risks and Short Term Outcomes in a Multicenter Study
Thanh N Nguyen, Boston Univ Sch of Med, Boston, MA; Osama O Zaidat, Medical Coll of Wisconsin, Milwaukee, WI; Rishi Gupta, Cerebrovascular Ctr, Cleveland Clinic, Cleveland, OH; Raul G Nogueira, Massachusetts General Hosp, Boston, MA; Nauman Tariq, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Junaid S Kalia, Medical Coll of Wisconsin, Boston, MA; Alexander M Norbash, Boston Univ Sch of Med, Boston, MA; Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MA

P395
Endovascular Therapy for Acute Ischemic Stroke in a Real-world Setting: Results of the University at Buffalo Endovascular Stroke Registry
Sabareesh K Natarajan, Yuval Karmon, Kenneth V Snyder, Hajime Ohta, Erik Hauck, Leo N Hopkins, Adnan H Siddiqui, Elad I Levy, Univ at Buffalo-SUNY, Buffalo, NY

P396
Angioplasty and Stenting for the Internal Carotid or Middle Cerebral Artery Occlusion in a Subacute Stroke Stage in Deteriorating Patients With Internal Border Zone Infarcts
Tomonori Iwata, Takahisa Mori, Hiroyuki Tajiri, Tsuyoshi Uesugi, Masahito Nakazaki, Dept of Stroke Treatment, Shonan Kamakura General Hosp, Kamakura, Japan

P397
What Aspects of the Social Environment Are Associated With Physical Activity Post-stroke?
Janet A Prvu Bettger, Univ of Pennsylvania, Philadelphia, PA

P398
Recovery of Actual Functional Tasks in Response to Motor Learning, Robotics, and Functional Electrical Stimulation
Janis J Daly, Dept of Neurology, CWRU SOM and LSCDVAMC, Cleveland, OH; Jean Rogers, Jessica McCabe, Michelle Monkiewicz, Richard Burdsall, LSCDVAMC Medical Ctr, Cleveland, OH; Svetlana Pandik, Dept of Neurology, CWRU SOM and LSCDVAMC, Cleveland, OH

P399
Combination Treatment of Low-frequency rTMS and Intensive Occupational Therapy for Poststroke Patients With Upper Limb Hemiparesis
Wataru Kakuda, Masahiro Abo, Kazushige Kobayashi, Ryo Momsaki, Aki Yokoi, Akiko Fukuda, Jikei Univ Sch of Med, Tokyo, Japan
P400  Navigated Transcranial Magnetic Stimulation is More Sensitive Than Non-navigated in Obtaining Upper Extremity Motor Evoked Potentials for Low Functioning Stroke Patients
Kari Dunning, Susan Israel, Samir Belagaje, Jun Ying, Lynn Sprafka, Peter Levine, Univ of Cincinnati, Cincinnati, OH; Jarmo Laine, Nextrstim Ltd, Helsinki, Finland; Jari Karhu, Univ of Kuopio, Kuopio, Finland; Stephen Page, Brett Kissela, Univ of Cincinnati, Cincinnati, OH

P401  Balance, Confidence in Balance and Quality of Life in Persons With Chronic Stroke After Body Weight Supported Treadmill Training
Stephanie Combs, Univ of Indianapolis, Indianapolis, IN; Eric Dugan, Boise State Univ, Boise, ID; Dana Howard, Miranda Passmore, Cara Riesner, Elizabeth Yingling, Univ of Indianapolis, Indianapolis, IN; Amy Curtis, Western Michigan Univ, Kalamazoo, MI

P402  Depressive Symptoms in Stroke Patients Affect Functional Gains in the Subacute but Not in the Acute Phase of Rehabilitation
Taehwan Chung, Johns Hopkins Physical Med and Rehabilitation, Baltimore, MD; Sohyun Park, Johns Hopkins Sch of Public Health, Baltimore, MD; Nkiruka Arene, Johns Hopkins Physical Med and Rehabilitation, Baltimore, MD

P403  Preliminary Efficacy of a Stroke Caregiver Intervention Program for Reducing Depressive Symptoms
Tamilyn Bakas, Joan K Austin, Janice M Buelow, Barbara Habermann, Indiana Univ Sch of Nursing, Indianapolis, IN; Yong Li, Indiana Univ Sch of Public and Environmental Affairs, Indianapolis, IN; Susan M McLennon, Michael T Weaver, Indiana Univ Sch of Nursing, Indianapolis, IN; Linda S Williams, Richard L Roudebusch Veterans Admin Medical Ctr and Indiana Univ Sch of Med, Indianapolis, IN

P404  Videoconference Delivery of a Stroke Self-Management Program: A Mixed Methods Waiting List Randomized Controlled Trial
Maria P Huijbregts, Baycrest, Toronto, ON, Canada; Jill Cameron, Univ of Toronto, Toronto, ON, Canada; Denise Taylor, St Joseph’s Care Group, Thunder Bay, ON, Canada; Sara E McEwen, Baycrest, Toronto, ON, Canada; Aura Kagan, The Aphasia Inst, Toronto, ON, Canada; David Streiner, Baycrest, Toronto, ON, Canada

P405  Positive Emotion and Social Engagement After Stroke
Ivonne-Marie Berges, Glenn V Ostir, Univ of Texas Medical Branch, Galveston, TX

P406  Urinary Incontinence Among Elderly With History of Stroke: Health and Retirement Study Survey 2002-2006
Afshin A Divani, Gabriela Vazquez, Univ Minn, Minneapolis, MN; Anna M Barrett, Kessler Fndn Res Ctr, West Orange, NJ; Trevor Baybutt, Univ Minn, Minneapolis, MN; Anreas R Luft, Univ of Zurich, Zurich, Switzerland

Kari Dunning, Susan Israel, Samir Belagaje, Jun Ying, Lynn Sprafka, Peter Levine, Univ of Cincinnati, Cincinnati, OH; Jarmo Laine, Nextrstim Ltd, Helsinki, Finland; Jari Karhu, Univ of Kuopio, Kuopio, Finland; Stephen Page, Brett Kissela, Univ of Cincinnati, Cincinnati, OH
P408
Clinical Outcome After Intensive Rehabilitation Following Acute Treatment and Management in Stroke Centers and Significant Variables for Returning to Previous Home Life
Takahisa Mori, Shonan Kamakura General Hospit, Kamakura, Japan; Takashi Imanishi, Jun Sawataishi, Satoshi Yanagihara, Kohei Sugawara, Itaru Kimura, Syunji Nakanishi, Tsurumaki Onsen Hosp, Hadano, Japan; Hiroyuki Tajiri, Tomonori Iwata, Tsuyosi Uesugi, Masahito Nakazaki, Shonan Kamakura General Hospit, Kamakura, Japan

Outcomes, Quality and Health Services Research Posters III

Moderator: Gustavo Saposnik, MD, PhD, Toronto, ON, Canada

P409
Balance Ability, Not Muscle Strength and Exercise Endurance, Determines Performance of Five-Times-Sit-to-Stand (FTSTS) Test in Chronic Hemiparetic Subjects
Shamay S M Ng, The Hong Kong Polytechnic Univ, Hong Kong, Hong Kong

P410
Subjective Balance Confidence Determines Functional Mobility in People With Chronic Stroke
Shamay S M Ng, The Hong Kong Polytechnic Univ, Hong Kong, Hong Kong

P411
Physical Therapists’ Use of Outcome Measures to Evaluate Walking Capacity Post-stroke
Nancy M Salbach, Susan B Jaglal, Univ of Toronto, Toronto, ON, Canada

P412
Risk of Post-stroke Fractures in a Bi-ethnic Community
Lynda Lisabeth, Lewis B Morgenstern, Jeffrey J Wing, Darin B Zahuranec, Leslie E Skolarus, James F Burke, Brisa N Sanchez, Devin L Brown, Univ Michigan, Ann Arbor, MI

P413
Withdrawn

P414
Health Care Professionals’ Perspectives on Using the Weekend Pass to Facilitate Stroke Survivors Transition Home
Jill Cameron, Amanda Marsella, Leslie Smale, Judith Friedland, Denyse Richardson, Gary Naglie, Monique Gignac, Univ of Toronto, Toronto, ON, Canada

P415
Examining the Changing Needs of Stoke Family Caregivers
Jill I Cameron, Gary Naglie, Monique Gignac, Univ of Toronto, Toronto, ON, Canada

P416
Long-term Stroke Related Health Outcomes for Stroke Survivors and Their Spousal Caregivers
Kyler M Godwin, Stanley G Cron, Sharon K Ostwald, UTHSC-H, Houston, TX
P417
Presentation and Outcomes of Women and Men With Transient Ischemic Attack: Results From the Registry of the Canadian Stroke Network
Rebecca S Wengle, Univ of Western Ontario, London, ON, Canada; Jiming Fang, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Frank L Silver, Moira K Kapral, Univ of Toronto, Toronto, ON, Canada

P418
Women and Stroke Treatment
Gilda M Tafreshi, Rema Raman, Karin Ernstrom, Thomas M Hemmen, Univ of California, San Diego, San Diego, CA

P419
Impact of Blood Pressure Status in Subacute Stage of Ischemic Stroke on Clinical Outcome: Is Variability More Important Than Value Status?

POSTER SESSION IV
THURSDAY, FEBRUARY 25
5:30 pm – 6:30 pm

Acute Management Posters IV

P421
High Baseline NIH Stroke Scale is the Best Predictor of Resistance to Intravenous Thrombolysis
Victor Obach, Xabier Urra, Sergi Amaro, Manuel Gomez-Choco, Alvaro Cervera, Jordi Blasco, Luis San Roman, Sebastian Capurro, Mattia Squarcia, Laura Oleaga, Juan Macho, Angel Chamorro, Hosp Clinic Barcelona, Barcelona, Spain

P423
Clot Burden Score Derived From CT Angiography is a Predictor of Symptomatic Hemorrhagic Transformation Independent of ASPECTS
Ke Lin, Alexander Gavlin, NYU Langone Medical Ctr, New York, NY; Apostolos J Tsiouris, Walter E Zink III, New York Presbyterian Hosp Weill Cornell Medical Coll, New York, NY; Bidyut K Pramanik, NYU Langone Medical Ctr, New York, NY; Pina C Sanelli, New York Presbyterian Hosp Weill Cornell Medical Coll, New York, NY
P424
Impact of Antiplatelet Pre-treatment on Intracranial Hemorrhage and Stroke Outcome After Intravenous Thrombolysis: The Stroke Acute Management With Urgent Risk-factor Assessment and Improvement (SAMURAI) Study
Hiroshi Yamagami, Kobe City Medical Ctr General Hosp, Kobe, Japan; Masatoshi Koga, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Saitama, Japan; Yoshiaki Shiokawa, Dept of Neurosurgery and Stroke Ctr, Kyorin Univ Sch of Med, Mitaka, Japan; Jooyi Nakagawara, Dept of Neurosurgery and Stroke Ctr, Nakamura Memorial Hosp, Sapporo, Japan; Eisuke Furui, Dept of Stroke Neurology, Kohnan Hosp, Sendai, Japan; Kazumi Kimura, Dept of Stroke Med, Kawasaki Medical Sch, Kurashiki, Japan; Yasushi Okada, Dept of Cerebrovascular Disease, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, Dept of Neurology, St Marianna Univ Sch of Med, Kawasaki, Japan; Kazuomi Kario, Div of Cardiovascular Med, Dept of Med, Jichi Medical Univ Sch of Med, Shimotsuke, Tochigi, Japan; Satoshi Okuda, Dept of Neurology, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Masaki Naganuma, Kazunori Toyoda, Cerebrovascular Div, Dept of Med, Natl Cardiovascular Ctr, Saitama, Japan; SAMURAI Investigators

P425
US Rates of Mechanical Embolectomy for Acute Ischemic Stroke Treatment Are Increasing
Pooja Khatri, Opeolu Adeoye, Dawn O Kleindorfer, Univ of Cincinnati, Cincinnati, OH

P426
Can Ultra-early Initiation of Thrombolytic Treatment Counteract the Disadvantage of Advanced Age on Outcome? Observational Study on Helsinki Centre Data in the International Stroke Thrombolysis Registry (SITS-ISTR)
Lauri Soinne, Olli Häppölä, Daniel Strbian, Tiina Sairanen, Jukka Puitala, Atte Meretoja, Turgut Tatlisumak, Kirsi Rantanen, Sami Curtze, Perttu Lindsberg, Markku Kaste, Dept of Neurology, Helsinki, Finland

P427
Stroke Thrombolysis Against Official Contraindications: Does It Worsen the Outcome of Patients?
Atte Meretoja, Jukka Puitala, Sari Atula, Turgut Tatlisumak, Ville Artto, Sami Curtze, Olli Häppölä, Perttu Lindsberg, Satu Mustanoja, Katja Piironen, Kirsi Rantanen, Tiina Sairanen, Lauri Soinne, Daniel Strbian, Marjanna Tainel, Markku Kaste, Helsinki Univ Central Hosp, Dept of Neurology, Helsinki, Finland

P428
Higher Systolic Blood Pressure Has a Negative Effect on Thrombolysis Response in Stroke Patients, but Only in Women
Patricia Martinez-Sanchez, Blanca Fuentes, Stroke Ctr Dept of Neurology La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain; Jaime Masjuan, Maria Alonso de Leciñana, Stroke Ctr Dept of Neurology, Ramon y Cajal Univ Hosp Alcala of Henares Univ, Madrid, Spain; Patricia Simal, Stroke Ctr Dept of Neurology, Clinico San Carlos Univ Hosp Complutense of Madrid Univ, Madrid, Spain; Gemma Reig, Stroke Ctr Dept of Neurology, La Princesa Univ Hosp Autonoma of Madrid Univ, Madrid, Spain; Fernando Diaz-Otero, Stroke Ctr Dept of Neurology, Gregorio Marañon Univ Hosp Complutense of Madrid Univ, Madrid, Spain; Jose A Egido, Stroke Ctr Dept of Neurology, Clinico San Carlos Univ Hosp Complutense of Madrid Univ, Madrid, Spain; Antonio Gil Nuñez, Stroke Ctr Dept of Neurology, Gregorio Marañon Univ Hosp Complutense of Madrid Univ, Madrid, Spain; Jose Vivancos, Stroke Ctr Dept of Neurology, La Princesa Univ Hosp Autonoma of Madrid Univ, Madrid, Spain; Juan Garcia-Caldentey, Stroke Ctr Dept of Neurology, Ramon y Cajal Univ Hosp Alcala of Henares Univ, Madrid, Spain;
Exuperio Diez-Tejedor, Stroke Ctr Dept of Neurology. La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain

P429
David C Tong, Nobl Barazangi, Jack Rose, Daniel McDermott, Jeffrey Thomas, Jackie Phan, Ann Bedenk, California Pacific Med Ctr, San Francisco, CA

P430
Thrombolysis in the 3-6 Hour Window Using Perfusion Computed Tomography for Patient Selection is Safe and Effective
Laszlo Sztriha, Duika Manawadu, Jozef Jarosz, Lalit Kalra, King's Coll Hosp, London, United Kingdom

P431
Symptomatic Intracranial Hemorrhage Rates With IV tPA Treatment by Stroke Subtype
Deidre A De Silva, Natl Neuroscience Inst, Singapore General Hosp Campus, Singapore, Singapore; Goetz Thomalla, Univklinik Eppendorf, Hamburg, Germany; Catherine Oppenheim, Sainte-Anne Hosp, Univ Paris Descartes, Paris, France; Gregory W Albers, Maarten G Lansberg, Stanford Univ, Stanford, CA; Dong-Wha Kang, Asan Medical Ctr, Seoul, Republic of Korea; Niels Hjort, Århus Univ Hosp, Århus C, Denmark; David S Liebeskind, Qing Hao, UCLA, Los Angeles, CA; Tobias Neumann-Haefelin, Oliver C Singer, Goethe Univ, Frankfurt, Germany; Norbert Nighoghossian, Laurent Derex, Univ Lyon, Lyon, France; Nawar Shara, Medstar Res Inst, Washington, DC; Geoffrey A Donnan, Florey Neuroscience Insts, Melbourne, Australia; Stephen M Davis, Univ of Melbourne, Melbourne, Australia; Chelsea S Kidwell, Georgetown Univ, Washington, DC; MR Stroke Collaborative Group

P432
Low-dose Intravenous rt-PA Therapy for Stroke Patients Out of the Indications by the European Licence: The SAMURAI Study
Masatoshi Koga, Masaki Naganuma, Natl Cardiovascular Ctr, Suita, Japan; Yoshiaki Shikokawa, Kyorin Univ Sch of Med, Mitaka, Japan; Jyoji Nakagawara, Nakamura Memorial Hosp, Sapporo, Japan; Etsuke Furui, Kohnan Hosp, Sendai, Japan; Kazumi Kimura, Kawasaki Medical Sch, Kurashiki, Japan; Hiroshi Yamagami, Kobe City Medical Ctr General Hosp, Kobe, Japan; Yasushi Okada, Natl Hosp Organization Kyushu Medical Ctr, Fukuoka, Japan; Yasuhiro Hasegawa, Shiga Medical Sch, Jichi Medical Univ Sch of Med, Shimotsuke, Japan; Satoshi Okuda, Natl Hosp Organization Nagoya Medical Ctr, Nagoya, Japan; Kazutoshi Nishiyama, Kyorin Univ Sch of Med, Mitaka, Japan; Kazuo Minematsu, Kazunori Toyoda, Natl Cardiovascular Ctr, Suita, Japan

Community/Risk Factors Posters IV

P433 – P444

SECTION 2

Moderator: Philip B Gorelick, MD, MPH, FAHA, Lincolnwood, IL

P433
Age-Adjusted Stroke Outcomes Are Significantly Worse in Women Than Men: A Latin America Cohort Study
María C Zurrú, Claudia B Alonzo, Laura E Brescacin, Marina Romano, Silvina Brienza, Fabiana Ortaga, María B Piaggio, Maia Gomez Schneider, Luis A Cámara, Gabriel D Waisman, Edgardo Cristiano, Hosp Italiano de Buenos Aires, Buenos Aires, Argentina; Bruce Ovbiagele, UCLA Stroke Ctr, Los Angeles, CA
P434
Gender Differences of Case-fatality Rates in a Brazilian Stroke Registry
Alessandra C Goulart, Isabela Bensenor, Airlane P Alencar, Iara R Bustos,
Paulo A Lotufo, Hosp Univirio USP, Sao Paulo, Brazil

P435
Update: Persistent and Growing Sex Disparity in Midlife Stroke
Prevalence Rates in the United States
Amytis Towfighi, Univ of Southern California, Los Angeles, CA; Bruce
Ovbiagele, Univ of California, Los Angeles, Los Angeles, CA

P436
Sex and Age Differences in Stroke Features and Outcomes in 33,953
Patients: The Japan Standard Stroke Registry Study
Kouichirou Maeda, Kazunori Toyoda, Kazuo Minematsu, Natl
Cardiovascular Ctr, Osaka, Japan; Shotai Kobayashi, Shimane Univ Hosp,
Izumo, Japan; the Japan Standard Stroke Registry Study Group, the
Japan Stroke Association

P437
Risk and Predictors of Recurrent Ischemic Stroke in a Large,
Community-based Cohort
Babak B Navi, Hooman Kamel, UCSF Medical Ctr, San Francisco, CA;
Stephen Sidney, Kaiser Permanente Medical Care Program, Oakland, CA;
Nancy K Hills, Mai N Nguyen-Huy, S Claiborne Johnston, UCSF
Medical Ctr, San Francisco, CA

P438
Characteristics of Small Areas With a Higher Stroke Mortality
Iara R Bustos, Isabela M Bensenor, Rafael Monteiro, Alessandra C
Goulart, Paulo A Lotufo, Hosp Univirio USP, Sao Paulo, Brazil

P439
Alaska Native Stroke Registry Initial Findings
Brian Trimble, Alaskan Native Medical Ctr, Anchorage, AK; Ronnie
Horner, Dept of Public Health Sciences, Univ of Cincinnati Academic
Health Ctr, Cincinnati, OH; Lisa Bulkow, Alaskan Native Medical Ctr,
Anchorage, AK

P441
Can Framingham Calculators Identify Persons at High-Risk for Stroke in
a Large Healthcare Organization?
Eric Cheng, UCLA/VA Los Angeles, Los Angeles, CA; Linda Williams,
Richard Roudebush VA Medical Ctr, Indianapolis, IN; Stefanie Vassar,
UCLA/VA Los Angeles, Los Angeles, CA; James Ekundayo, UCLA, Los
Angeles, CA; Dawn Bravata, Richard Roudebush VA Medical Ctr,
Indianapolis, IN

P442
Patients With Ischemic Stroke or TIA at Awakening Have a Worse
Outcome Than Other Patients With Ischemic Stroke or TIA
Jean-Martin Boulanger, Nancy Leblanc, Johanne Pontbriand, Martine
Mainville, Léo Berger, Charles-Lemoyne Res Ctr, Sherbrooke Univ,
Greenfield Park, QC, Canada

P443
Identification of Symptom Clusters in Ischemic Stroke and Transient
Ischemic Attack
Mathew J Reeves, Hsiu-Ching Chang, Hwan Chung, Michigan State Univ,
East Lansing, MI; Lynda Lisabeth, Univ of Michigan, Ann Arbor, MI

P444
Wake-Up Strokes: Incidence and Clinical Characteristics in a Population
Jason S Mackey, Univ of Cincinnati Coll of Med, Cincinnati, OH; Richard
Hornung, Cincinnati Children’s Hosp, Cincinnati, OH; Charles J Moomaw,
P445
Association Between Cerebral Artery Calcification and White Matter Hyperintensities in Patients With Acute Ischemic Stroke
Kwang-Yeol Park, Chung-Ang Univ Hosp, Seoul, Korea, Republic of; Pil-Wook Chung, Kangbuk Samsung Hosp, Seoul, Korea, Republic of; Oh-Sang Kwon, Chung-Ang Univ Hosp, Seoul, Korea, Republic of

P446
Tea, Coffee and Caffeinated Drink Consumption and Risk of Subclinical Brain Abnormalities on MRI
Lenore Arab, David Geffen Sch of Med at UCLA, Los Angeles, CA; Ellen S O'Meara, Dept of Biostatistics, U Washington, Seattle, WA; Will Longstreth, Dept of Neurology, U Washington, Seattle, WA; David S Liebeskind, David Geffen Sch of Med at UCLA, Los Angeles, CA; Kenneth J Mukamal, Beth Israel Deaconess Medical Ctr, Boston, MA

P447
Smoking is an Independent Predictor of Impaired Cerebral Vasomotor Reactivity After Acute Symptomatic Carotid Occlusive Disease
Jae H Choi, Sotirios Giannopoulos, Adrian Marchidann, Randolph S Marshall, Columbia Univ Medical Ctr, New York, NY

P448
Diffusion-weighted Imaging Abnormalities Are Not Correlated With Clinical Risk Scores for TIA
Rajesh K Gupta, Sayona John, Richard E Temes, Yousef Mohammad, Vivien H Lee, Shyam Prabhakaran, Rush Univ Medl Ctr, Chicago, IL

P449
Retinal Arteriovenous Nicking is an Independent Predictor of Recurrent Stroke
Deidre A De Silva, Natl Neuroscience Inst, Singapore, Singapore; Fung Peng Woon, Natl Heart Ctr, Singapore, Singapore; Wan Xin Wong, Singapore Eye Res Inst, Singapore, Singapore; Erica Liu, Singapore Eye Res Instute, Singapore, Singapore; Hui Meng Chang, Natl Neuroscience Inst, Singapore, Singapore; Christopher Chen, Natl Univ Hosp, Singapore, Singapore; Richard Lindley, Western Clinical Sch, Sydney, Australia; Tien Yin Wong, Singapore Eye Res Inst, Singapore, Singapore; Meng Cheong Wong, Natl Medical Res Council, Singapore, Singapore; on behalf of the Multi-Centre Retinal Stroke studygroup

P450
Prevalence and Determinants of Abnormal Ankle-brachial Index in Patients With Ischemic Stroke: A Mexican Multicentric Stroke Registry
Carlos Cantu Brito, Insto Nacional de Nutricio, Mexico, Mexico; Jose L Ruiz-Sandoval, Erwin Chiquete, Hosp Civil Guadalajara, Guadalajara, Mexico; Carolina Leon-Jimenez, Hosp Valentin Gomez Farias, Guadalajara, Mexico; Luis M Murillo-Bonilla, Insto Panvascular de Occidente, Guadalajara, Mexico; INDAGA-NEURO Collaborative study group
P451
Association of Decreased Kidney Function With Silent Brain Lesions in Healthy Elderly
Shuhei Yamaguchi, Shimane Univ, Izumo, Japan; Hirokazu Bokura, Shimane Prefectural Central Hosp, Izumo, Japan; Atsushi Nagai, Hiroaki Oguro, Keiichi Onoda, Shotai Kobayashi, Shimane Univ, Izumo, Japan

P452
Methods to Correct for Proxy Use in Stroke Outcome Studies
Brisa N Sanchez, Lesli E Skolarus, Lewis B Morgenstern, Nelda M Garcia, Melinda A Smith, Devin L Brown, Lynda D Lisabeth, Univ of Michigan, Ann Arbor, MI

P453
Recanalization and Its Correlation to Outcome After Cerebral Venous Thrombosis
Jukka Putaala, Sini Hiltunen, Helsinki Univ Central Hosp, Helsinki, Finland; Olli Salonen, Helsinki Medical Imaging Ctr, Helsinki, Finland; Markku Kaste, Turgut Tatlisumak, Helsinki Univ Central Hosp, Helsinki, Finland

P454
Acutely Symptomatic Internal Carotid Artery Occlusion: An Ominous Clinical Scenario
Matthew J Burke, Univ of Toronto, Toronto, ON, Canada; Jiming Fang, Melissa Stamplecoski, Inst for Clinical Evaluative Sciences, Toronto, ON, Canada; Leanne K Casaubon, Richard Swartz, Frank L Silver, Univ of Toronto, Toronto, ON, Canada

P455
Extra- or Intra-cranial Dissection Involving Multiple Arteries: A Distinct Clinical and Angiographic Syndrome?
Yousef M Mohammad, Rush Univ, Chicago, IL; Ameer E Hassan, Univ of Minnesota, Minneapolis, MN; Marc A Lazzaro, Rush Univ, Chicago, IL; Rehan Zahid, Univ of Minnesota, Minneapolis, MN; Sudeepa Dandapat, Univ of Minneapolis, Minnesota, MN; Gabriela Vazquez, Univ of Minnesota, Minneapolis, MN; Gustavo J Rodriguez, Mustafa A Ezzedine, Fareed K Suri, Ramachandra P Tummula, Robert A Taylor, Adnan I Qureshi, Univ of Minnesota, Minneapolis, MN

P456
Validity of Proxies for Evaluating Social Determinants of Health in Stroke Patients
Lesli E Skolarus, Brisa N Sanchez, Lewis B Morgenstern, Nelda M Garcia, Melinda A Smith, Devin L Brown, Lynda D Lisabeth, Univ of Michigan, Ann Arbor, MI

Diagnosis Posters IV P457 – P468

SECTION 4

Moderator: Ting Tim Lee, PhD, FCCPM, London, ON, Canada

P457
Hyperintense Vessel Sign on Fluid Attenuated Inversion Recovery Magnetic Resonance Imaging is Reduced by Gadolinium
Krishna A Dani, Lawrence Latour, Steven Warach, NINDS, Section on Stroke Diagnostics and Therapeutics, Natl Insts of Health, Bethesda, MD; NINDS Natural History of Stroke Investigators

P458
Cerebral White Matter Hyperintensities on MRI Are Associated With Functional Outcome After First-Ever Lacunar Stroke
Huey-Juan Lin, Poh-Shiow Yeh, Chi Mei Medical Ctr, Tainan, Taiwan; Wei-Lun Chang, Chi Mei Medical Ctr, Liouying, Tainan, Taiwan; Yu-Wei Chen, Landseed Hosp, Taoyuan, Taiwan
P459
White Matter Hyperintensity Volume Correlates With Levels of Matrix Metalloproteinase-2
Zachary A Corbin, Natalia S Rost, Massachusetts General Hosp, Boston, MA; Michael K Parides, Mount Sinai Sch of Med, New York, NY; Jeffrey B Blumberg, Paul E Milbury, Tufts Univ, Boston, MA; Ken Arai, Sophia N Hartdegen, Eng H Lo, Massachusetts General Hosp, Charlestown, MA; Steven K Feske, Brigham and Women’s Hosp, Boston, MA; Karen L Furie, Massachusetts General Hosp, Boston, MA

P460
BOLD Response Stability is Altered Patients With Chronic Ischemic Stroke
Kelley C Mazzetto-Betti, Octávio M Pontes-Neto, Renata F Leoni, Antônio D Santos, Alfonso C Silva, João P Leite, FMRP – Univ of Sao Paulo, Ribeirão Preto, Brazil; Draulio B Araújo, Univ Federal do Rio Grande do Norte, Natal, Brazil

P461
Anterior Temporal Artery Sign in CT Angiography Predicts Reduced Fatal Brain Oedema and Mortality in Acute M1 MCA Occlusions
Bijoy K Menon, Timothy W Watson, Mayank Goyal, Michael D Hill, Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada

P462
Comparison of the North American Symptomatic Carotid Endarterectomy Trial Measurement on Duplex Ultrasonography by Using Micro-convex Array Probe With Cerebral Angiography
Yohei Tateishi, Akira Tsujino, Atsuko Nagatani, Hideki Nakajima, Minoru Morikawa, Kiyoyuki Eishi, Izumi Nagata, Katsumi Eguchi, Nagasaki Univ Hosp, Nagasaki, Japan

P463
Robust Automated Carotid Arterial Wall Thickness Measurements in a Clinical Setting Using Magnetic Resonance Imaging
Peter Bruno, Univ of California San Diego, San Diego, CA; Alexander Lin, Brigham and Women’s Hosp, Boston, MA; Thao Tran, Anna Nguyen, Huntington Medical Res Insts, Pasadena, CA; Arbi Ohanian, Huntington Memorial Hosp, Pasadena, CA; Brian Ross, Huntington Medical Res Insts, Pasadena, CA

P464
Can Lumen Morphology Predict the Risk for Ischemic Stroke in Mild to Moderate Internal Carotid Artery Stenosis?
Masaaki Hokari, Satoshi Kuroda, Hokkaido Univ, Sapporo, Japan; Hiroshi Yasuda, Saturo Abe, Hisatoshii Saitoh, Sapporo Azabu Neurosurgical Hosp, Sapporo, Japan

P465
Inflammatory Regulation as a Biomarker of Ischemic Stroke Diagnosis: Evidence From Gene Expression Profiling
Taura L Barr, Natl Institute of Nursing Res/NIH, Bethesda, MD; Yvette Conley, Univ of Pittsburgh Sch of Nursing, Pittsburgh, PA; Allissa Dillman, Jinhui Ding, Natl Inst on Aging/NIH, Bethesda, MD; Steven Warach, Natl Inst of Neurological Disorders and Stroke/NIH, Bethesda, MD; Andrew Singleton, Natl Inst on Aging/NIH, Bethesda, MD; Mar Matarin, Univ Coll London, London, United Kingdom

P466
Role of Coagulopathy in Ischemic Stroke Patients With Cancer: MRI and TCD Study
Jin Myoung Seok, Oh Young Bang, Gyeong-Moon Kim, Chin-Sang Chung, Kwang Ho Lee, Dept of Neurology, Samsung Medical Ctr, Seoul, Republic of Korea
P467
CT Perfusion or Transcranial Doppler Ultrasound: Which is Better to Detect Symptomatic Vasospasm?

P468
Differences Between Posterior and Anterior Acute Ischaemic Circulation Strokes in 1449 Consecutive Patients
Elodie Rouge, Neurology Service, CHUV, Lausanne, Switzerland; Mohamed Faouzi, Inst of Social and Preventive Med, CHUV, Lausanne, Switzerland; Patrik Michel, Neurology Service, CHUV, Lausanne, Switzerland

Experimental Mechanisms and Models Posters IV P469 – P480

SECTION 5
Moderator: Yuchuan Ding, MD, PhD, Detroit, MI

P469
Expression of the Na-K-Cl Cotransporter Differs in Young and Aging Mice After Stroke
Fudong Liu, Padmastuti Akella, Sharon E Benashski, Yan Xu, Louise D McCullough, Univ Conn Health Ctr, Farmington, CT

P470
Brain Thoroughfare Channel Shunt Flow Occurs During Reduction of Cerebral Perfusion Pressure by Increased Intracranial Pressure but Not Decreased Arterial Pressure
Denis E Bragin, Wolfgang S Mueller, Edwin M Nemoto, Dept of Neurosurgery Univ of New Mexico Sch of Med, Albuquerque, NM

P471
Effects of Deferoxamine on Brain Injury After Transient Focal Cerebral Ischemia in Rats With Hyperglycemia
Yingqi Xing, Ya Hua, Richard Keep, Guohua Xi, Univ of Michigan, Ann Arbor, MI

P472
BMSCs Increase tPA Activity in Astrocytes Which Facilitates Neurite Outgrowth After Stroke
Hongqi Xin, Yi Li, Li Hong Shen, Xinli Wang, Jing Zhang, Zheng Gang Zhang, Michael Chopp, Henry Ford Hosp, Detroit, MI

P473
Brain and Systemic Temperature Changes During Selective Endovascular Brain Cooling With Cold Saline: A Translational Research Project
Jae H Choi, Matthew A Neimark, Columbia Univ Medical Ctr, New York, NY; Angelos A Konstas, Massachusetts General Hosp, Boston, MA; Leslie K Lee, Yi T Chiang, Randolph S Marshall, John Pile-Spellman, Columbia Univ Medical Ctr, New York, NY
P474
Artificial Neural-Network Prediction of Ischemic Tissue Fate: Multimodal MRI of Acute Stroke
Shiliang Huang, Qiang Shen, Peter T Fox, Timothy Q Duong, Res Imaging Ctr & Depts of Ophthalmology/Radiology/Physiology, Univ of Texas Health Science Ctr, San Antonio, TX

P475
Prolonged Post-ischemic Hyperperfusion: A Systematic Multimodal MRI Study
Qiang Shen, Fang Du, Hanh Nguyen, Hsiao-Ying Wey, Sung-Hong Park, Peter T Fox, Timothy Q Duong, Res Imaging Ctr & Dept of Ophthalmology, Univ of Texas Health Science Ctr, San Antonio, TX

P476
Deletion of TIMP-3 Impaired Special Learning but Does Not Affect Ischemic Brain Damage After Stroke
Jun Iwanami, Masaki Mogi, Li-Juan Min, Kana Tsukuda, Akiko Sakata, Jing Fei, Masaru Iwai, Ehime Univ Graduate Sch of Medic, Tohon, Ehime, Japan; Osamu Yasuda, Kumamoto Univ Hosp, Honjiyo, Kumamoto, Japan; Masatsugu Horiuchi, Ehime Univ Graduate Sch of Medic, Tohon, Ehime, Japan

P477
Transcranial Near Infrared Laser Treatment Stimulates Cortical Adenosine-5’-triphosphate (ATP) Content Following Embolic Strokes in Rabbits
Paul A Lapchak, UCSD Neurosciences, MTF316, La Jolla, CA

P478
Improving CBF Measurement Accuracy in Ischemic Stroke
Qiang Shen, Fang Du, Peter T Fox, Timothy Q Duong, Res Imaging Ctr & Depts of Ophthalmology/Radiology/Physiology, Univ of Texas Health Science Ctr, San Antonio, TX

P479
Deferoxamine Induces a Prolonged Neuroprotective State, a Potential Treatment for Recurrent Stroke
Yanxin Zhao, David Rempe, Univ of Rochester, Rochester, NY

P480
Correlating in-vivo Imaging to Histology to Validate BBB Permeability Measurements
Angelika Hoffmann, Joerg Bredno, Michael Wendland, Nikita Derugin, Hua Su, Peter Ohara, William L Young, Max Wintermark, Univ California San Francisco, San Francisco, CA

Hemorrhage – Intraparenchymal IV P481 – P492

SECTION 6

Moderator: Guohua Xi, MD, Ann Arbor, MI

P481
High Prevalence of Silent Ischemic Lesions in Patients With Primary Intracerebral Hemorrhage
P483  
Peripheral Inflammatory Response in Acute Intracerebral Hemorrhage May Predict Poor Outcome  
Lauren H Sansing, James S McKinney III, Lauren Beslow, Linda Wendell, Yuejie Gu, Michael T Mullen, Larami MacKenzie, Brett Cucchiara, Steven R Messe, Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA

P484  
Serum Ferritin Level in Patients With Acute Ischemic Stroke is an Important Predictor of Hemorrhagic Transformation  

P485  
Modeling the Growth of Microbleeds Into Macrobleeds  
Charles H Greenberg, Univ of California, San Francisco, San Francisco, CA; Matthew P Frosch, Steven M Greenberg, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA

P486  
Activated Plasma Kallikrein Impairs Hemostasis and Contributes to Cerebral Hemorrhage in Hyperglycemia  
Jia Liu, Ben-Bo Gao, Allen Clermont, Joslin Diabetes Ctr, Boston, MA; Tamie Chilcote, Sukanto Sinha, ActiveSite Pharmaceuticals Inc, San Francisco, CA; Edward Feener, Joslin Diabetes Ctr, Boston, MA

P487  
Cerebral Microbleeds in the Elderly: A Pathological Analysis  
Mark Fisher, Univ CA Irvine, Irvine, CA; Samuel French, Ping Ji, Harbor-UCLA Medical Ctr, Torrance, CA; Ronald C Kim, Univ CA Irvine, Irvine, CA

P488  
Iron Enhances Neurotoxicity of Amyloid  
Lin Wang, Guohua Xi, Richard Keep, Ya Hua, Univ of Michigan, Ann Arbor, MI

P489  
Prior Use of Statins is Not Associated With an Increased Risk of Hemorrhagic Transformation of Acute Cerebral Infarction  
Jason S Day, Enrique C Leira, Patricia H Davis, James Torner, Sherman Chen, Harold P Adams Jr, Univ of Iowa Hosp and Clinics, Iowa City, IA

P490  
Antiplatelet Agents, Cerebral Amyloid Angiopathy and Recurrent Intracerebral Hemorrhage  
Alessandro Biffi, Amy Halpin, Massachusetts General Hosp, Boston, MA; Amytis Towfighi, Univ of Southern California, Los Angeles, CA; Aaron Gilson, Katharina Busl, Natalia S Rost, Massachusetts General Hosp, Boston, MA; Eric E Smith, Univ of Calgary, Calgary, AB, Canada; Steven M Greenberg, Jonathan Rosand, Anand Viswanathan, Massachusetts General Hosp, Boston, MA

P491  
Changes in Cerebral Microbleed Numbers of Stroke Patients and Their Prognostic Factors  
Soon-Tae Lee, Seung-Hoon Lee, Jae-Kyu Roh, Seoul Natl Univ Hosp, Seoul, Korea, Republic of

P492  
Inflammatory Response to Intraventricular Hemorrhage: Time Course, Magnitude and Effect of Intraventricular t-PA  
Hen Hallevi, Tel Aviv Medical Ctr, Tel Aviv, Israel; Kyle C Walker, Univ of Texas at Houston Medical Sch, Houston, TX; Natan M Bornstein, Tel Aviv Medical Ctr, Tel Aviv, Israel; James C Grotta, Sean I Savitz, Univ of Texas at Houston Health Science Ctr, Houston, TX
SECTION 7

Moderator: Magdy Selim, MD, PhD, FAHA, Newton, MA

P493
Mayo Acute Stroke Trial to Enhance Recovery: 30 Day Clinical Outcomes From Stage I

P494
Predictors of Index Stroke Severity and Discharge Outcomes Among Hospitalized Patients With Stroke Secondary to Cervical Arterial Dissection
Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Jeffrey L Saver, David S Liebeskind, Sidney Starkman, Doojin Kim, Latisha K Ali, Bruce Ovbiagele, Univ of California Los Angeles, Los Angeles, CA

P495
Intensive versus Conventional Insulin Therapy in Critically Ill Stroke Patients
Deborah M Green, Boston Univ Sch of Med/ Boston Medical Ctr, Boston, MA; Kristine H O’Phelan, Univ of Miami Sch of Med, Miami, FL; Sarice L Bassin, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Cheryllee Chang, Tracy Stern, Susan Asai, The Queen’s Medical Ctr, Honolulu, HI

P496
Non-convulsive Status Epilepticus After Acute Ischemic Stroke: Not So Unusual, Nor So Unpredictable if Systematically Investigated
Patricia M Riccio, Darío Scocco, Analía Calle, Francisco Klein, Agustín Jáuregui, Stroke Ctr at the Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina; Alfredo Thomson, Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina; Luciano A Sposato, Stroke Ctr at the Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina

P497
Changes in Carotid Plaque Echogenicity With Time Since the Stroke Onset: The UNPACK Study
Patricia Martinez-Sanchez, Jessica Fernandez-Dominguez, Gerardo Ruiz-Ares, Stroke Ctr Dept of Neurology, La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain; Blanca Fuentes, Stroke Ctr La Paz Univ Hosp. Autonoma de Madrid Univ, Madrid, Spain; Andrei V Alexandrov, Comprehensive Stroke Ctr, Dept of Neurology, Univ of, Birmingham, AL; Exuperio Diez-Tejedor, Stroke Ctr Dept of Neurology, La Paz Univ Hosp Autonoma of Madrid Univ, Madrid, Spain

P498
Occurrence of Subacute Recanalization and Collateral Formation in Patients With Cerebral Venous Thrombosis. A Serial Venographic Study
Abeer Farrag, Muna Irfan, Gaurav K Guliani, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN; Yousef M Mohammad, Dept of Neurological Sciences at Rush Univ Medical Ctr, Chicago, IL; Jay Joshi, Dept of Neurological Sciences at Rush Univ Medical Ctr, chicago, IL; Robert A Taylor, M Fareed Suri, Adrian I Qureshi, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN
P499
Homocysteine as a Predictor of Early Neurological Deterioration in Acute Ischemic Stroke: Secondary Analysis From the CAIST Trial
Hyung-Min Kwon, Yong-Seok Lee, Seoul Natl Univ Borame Hosp, Seoul, Korea, Republic of; for the CAIST Investigators

P500
Higher Admission Red Blood Cell Distribution Width is Linked to Outcome in Elderly Patients Hospitalized With Ischemic Stroke
Nerses Sanossian, Univ of Southern California, Los Angeles, CA; Jeffrey L Saver, David S Liebeskind, Doojin Kim, Latisha K Ali, Sidney Starkman, Bruce Ovbiagele, Univ of California Los Angeles, Los Angeles, CA

P501
Hospital Acquired Pneumonia is Linked to Peri-Insular Right Hemispheric and Infratentorial Acute Stroke
Andre Kemmling, Univ of Muenster, Muenster, Germany; Muhammad A Pervez, Michael H Lev, Shibab Masrur, Seyyedmehdi Payabvash, Lee H Schwamm, Massachusetts General Hosp, Boston, MA

P502
Characterization of Ischemic Strokes and Transient Ischemic Attacks After Cardiovascular Procedures in a High-volume Center
Patricia M Riccio, Francisco Klein, Marisol Ferruá, Noelia Pontello, Luciano A Sposato, Stroke Ctr at the Inst of Neurosciences, Univ Hosp, Favaloro Fndn, Buenos Aires, Argentina

P503
Insulin Dose Related to Admission Adiponectin Level: Results From the GRASP Trial
Christiana E Hall, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Mark R Conaway, Univ of Virginia, Charlottesville, VA; Brett M Kissela, Univ of Cincinnati, Cincinnati, OH; Adviye Ergul, Medical Coll of Georgia, Augusta, GA; Karen C Johnston, Univ of Virginia, Charlottesville, VA

P504
Interventional Stroke Therapies in the Elderly: Are We Helping?
Neer Zeevi, Univ of Connecticut Health Ctr, Farmington, CT; Ilene Staff, Nora S Lee, Hartford Hosp, Hartford, CT; Louise D McCullough, Univ of Connecticut Health Ctr, Farmington, CT

Ischemic Stroke Intervention Posters IV

P505 – P516

SECTION 8

Moderator: Tudor G Jovin, MD, Pittsburgh, PA

P505
Predicting Long-term Outcome After Endovascular Stroke Treatment: The THRIVE Score
Alexander C Flint, Sean P Cullen, Bonnie S Faigeles, Vivek A Rao, Kaiser Permanente, Redwood City, CA

P506
Neuroprotective Effect of PGD2 DP1 Receptor Against Acute Brain Damage in Young and in Aged Mice
Abdullah S Ahmad, Muzamil Ahmad, Johns Hopkins Univ, Baltimore, MD; Takayuki Maruyama, Ono Pharmaceutical Co Ltd, Osaka, Japan; Shuh Narumiya, Kyoto Univ, Kyoto, Japan; Sylvain Dore, Johns Hopkins Univ, Baltimore, MD
P507
Insights Into the Mechanism of Action of Flow Augmentation by Partial Aortic Occlusion in Acute Ischemic Stroke From Serial Angiography and Perfusion Imaging
David S Liebeskind, Qing Hao, Radoslav Raychev, Sidney Starkman, Jeffry R Alger, Fernando Vifiuela, Gary R Duckwiler, Satoshi Tateshima, Nestor R Gonzalez, Reza Jahan, Noriko Salamon, Pablo Villablanca, Latisha K Ali, Doojin Kim, Bruce Ovbiagele, Paul M Vespa, Michael Froehlier, Matthew Tenser, Jeffrey L Saver, UCLA, Los Angeles, CA; for the UCLA Collateral Investigators

P508
Higher Degrees of Recanalization After Mechanical Thrombectomy for Acute Stroke Are Associated With Improved Outcome and Decreased Mortality
Jeremy D Fields, Helmi L Lutsep, Oregon Health & Sciences Univ, Portland, OR; for the MERCI and Multi MERCI Investigators

P509
Reperfusion is a More Accurate Predictor of Follow-up Infarct Volume Than Recanalization: A Proof of Concept Using CT in Acute Ischemic Stroke Patients
Bruno P Soares, Elizabeth Tong, Jason Hom, Su-Chun Cheng, Joerg Bredno, Loic Boussel, Wade S Smith, Univ California San Francisco, San Francisco, CA; Max Wintermark, Univ of Virginia, San Francisco, CA

P510
Cerebral Blush Grade as a Predictor of Outcome After Endovascular Recanalization Therapy for Ischemic Stroke
Matthew S Tenser, Univ of Southern California, Los Angeles, CA; Jeffrey Saver, Latisha Ali, Doojin Kim, Bruce Ovbiagele, Sidney Starkman, Univ of California, Los Angeles, Los Angeles, CA; Jaseong Koo, Eulji Univ Coll of Med, Daejeon, Republic of Korea; Fernando Vinuela, Gary Duckwiler, Reza Jahan, Satoshi Tateshima, Nestor Gonzalez, David S Liebeskind, Univ of California, Los Angeles, Los Angeles, CA

P511
Cord Blood Administration Induces Oligodendrocyte Survival Through Alterations in Gene Expression
Derrick Rowe, Christopher Leonardo, Aaron Hall, Md Shahaduzzaman, Lisa Collier, Allison Willing, Keith Pennypacker, Univ of South Florida, Tampa, FL

P512
Baseline Hyperemia and the Biphasic Response of Cerebral Blood Volume Promote Early Dramatic Improvement After Mechanical Thrombectomy
David S Liebeskind, Qing Hao, Alex Skokan, Paul Smithedajkul, Antonio Moya, Meng Lee, Jignesh Gadhia, Jeffry R Alger, Nestor R Gonzalez, Reza Jahan, Satoshi Tateshima, Fernando Vifiuela, Gary R Duckwiler, Sidney Starkman, Jeffrey L Saver, UCLA, Los Angeles, CA; for the UCLA Collateral Investigators

P513
Spectrum and Efficacy of Antishivering Treatments: A Metaanalysis of Published Data
P514
Implementation of Korean Vascular Cognitive Impairment
Harmonization Standards in Post-Stroke Survivors

P515
Lesion Patterns and Stroke Mechanism in Middle Cerebral Artery Branch Atherosclerosis
Kyung-Hee Cho, Dongsan Medical Ctr, Daegu, Republic of Korea; Dong-Wha Kang, Asan Medical Ctr, Seoul, Republic of Korea; Sung-Il Sohn, Dongsan Medical Ctr, Daegu, Republic of Korea

P516
Effect of Dedicated Vascular Neurologist on Door to Needle Time in Community Hospital
Lise Labiche, Debbie Estes, Megan Sozio, Medical City Dallas, Dallas, TX

Neurovascular Unit in Ischemia: Basic Science & Basic and Translational Neuroscience of Stroke Recovery Posters IV

SECTION 9

Moderator: Steven M Greenberg, MD, PhD, Boston, MA

P517
Modulation of Autophagy Attenuates Ischemic Brain Injury
Daniel L Hess, Univ of Georgia, Athens, GA; Samuel A Herberg, Nasrul Hoda, William H Jackson, Medical Coll of Georgia, Augusta, GA; Prateek Kumar, Georgia Inst of Technology, Atlanta, GA; Patricia V Schoenlein, Medical Coll of Georgia, Augusta, GA; William D Hill, Charlie Norwood VAMC / Medical Coll of Georgia, Augusta, GA

P518
Cerebral Antigens Are Present in Secondary Lymphoid Organs of Acute Stroke Patients
Manuel Jesus Gomez-Choco Cuesta, Xabier Urra, Comprehensive Stroke Ctr Hosp Clinic, Barcelona, Spain; Antonio Martinez, Pathology Service Hosp Clinic, Barcelona, Spain; Miguel Caballero, Dept of Otorhinolaryngology, Hosp Clinic, Barcelona, Spain; Victor Obach, Comprehensive Stroke Ctr. Hosp Clinic, Barcelona, Spain; Anna Planas, Inst for Biomedical Res (IIBB)-Spanish Res Council (CSIC) IDIBAPS, Barcelona, Spain; Angel Chamorro, Comprehensive Stroke Ctr. Hosp Clinic, Barcelona, Spain

P519
Changes in Inflammatory Biomarkers and Neurological Deterioration in Patients With Acute Brain Infarction
Satoshi Takaishi, Bunta Katou, Kenzo Sakurai, Kenji Isahaya, Kanako Shimizu, Kana Shimomura, Yoshiaki Tokuyama, Yasuhiro Hasegawa, Dept of Neurology, St Marianna Univ Sch of Med, Kawasaki, Japan
P520  
Endothelial Progenitor Cells Correlate With Acute Lesion Volume, Lesion Growth Volume and Final Infarct Volume  
Tanya Bogoslovsky, NIH/NINDS, Bethesda, MD; Aneeka Chaudhry, NIH/CC/ORIS/LDRR, Bethesda, MD; Marie Luby, Dragan Maric, Lawrence Latour, Maria Spatz, NIH/NINDS, Bethesda, MD; Joseph Frank, NIH/CC/LDRR, Bethesda, MD; Steven Warach, NIH/NINDS, Bethesda, MD; for the NINDS Natural History of Stroke Investigators

P521  
Blood Brain Barrier Disruption Remote From the Infarct in Alteplase-Treated Stroke Patients  
Steven Warach, Lawrence Latour, NIH NINDS, Bethesda, MD; NINDS Natural History of Stroke Investigators

P522  
Pilot Results of in vivo Brain Glutathione Measurements in Stroke Patients Using Magnetic Resonance Spectroscopy  
Li An, Krishna A Dani, NINDS, Section on Stroke Diagnostics and Therapeutics, Natl Insts of Health, Bethesda, MD; Jun Shen, Natl Inst of Mental Health, Natl Insts of Health, Bethesda, MD; Steven Warach, NINDS, Section on Stroke Diagnostics and Therapeutics, Natl Insts of Health, Bethesda, MD; NINDS Natural History of Stroke Investigators

P523  
Profound REM Suppression After Experimental Stroke  
He Meng, Samreen Ahmed, Tiecheng Liu, Jimo Borjigin, Michael M Wang, Univ of Michigan, Ann Arbor, MI

P524  
Endogenous Tissue Plasminogen Activator is Essential for the Functional Benefit of Bone Marrow Stromal Cell Treatment of Stroke in Mice  
Lihong Shen, Hongqi Xin, Yi Li, Yisheng Cui, Li Zhang, Michael Chopp, Henry Ford Health System, Detroit, MI

P525  
Matrix Metalloproteinase Inhibition Reduces the Injury Caused by Ischemia / Reperfusion Injury but Not the Injury Caused by Permanent Focal Ischemia  
Paulo W Pires, Jonathon L McClain, Anne M Dorrance, Michigan State Univ, East Lansing, MI

P526  
Age-dependent Effects of Acute Unilateral Stroke on Working Memory  
Timothy B Meier, Lin Naing, Univ of Wisconsin-Madison, Madison, WI; Lisa E Philipose, Johns Hopkins Univ Sch of Med, Baltimore, MD; Veena A Nair, Univ of Wisconsin-Madison, Madison, WI; Argye E Hillis, Johns Hopkins Univ Sch of Med, Baltimore, MD; Vivek Prabakaran, Univ of Wisconsin-Madison, Madison, WI

P527  
Safety of Repetitive Transcranial Magnetic Stimulation of the Unaffected Hemisphere in Subacute Stroke Patients  
Adriana B Conforto, Eduardo Melo, Erina Nagaya, Felipe Reis, Camilla Tomasi, Milberto Scaff, Hosp das Clinicas Paulo Univ, Sao Paulo, Brazil; Leonardo G Cohen, Human Cortical Physiology Section, NINDS, NIH, Bethesda, MD
P528
Cerebral Flow Velocities During Daily Activities Depend on Blood
Pressure in Patients With Chronic Ischemic Infarctions
Vera Novak, Kun Hu, Laura Desrochers, Beth Israel Deaconess Med Ctr,
Boston, MA; Peter Novak, Univ of Massachusetts, Worcester, MA; Louis
Caplan, Beth Israel Deaconess Med Ctr, Boston, MA; Lewis Lipsitz, Inst
for Aging Res, Hebrew SeniorLife, Boston, MA; Magdy Selim, Beth Israel
Deaconess Med Ctr, Boston, MA

Outcomes, Quality and Health Services
Research Posters IV
P529 – P540

SECTION 10

Moderator: Daniel T Lackland, BA, DPH, FAHA, Mt Pleasant, SC

P529
National Declines in Ischemic Stroke Hospitalizations by Hospital
Judith H Lichtman, Sara B Jones, Yun Wang, Emi Watanabe, Yale Sch of
Med, New Haven, CT; Larry B Goldstein, Duke Univ and Durham VAMC,
Durham, NC

P530
The Use and Timing of Care Limiting Orders Predict Stroke Mortality: An
Explanation of Oregon’s High Stroke Mortality Rate?
Ted Lowenkopf, Allen Brown, Nicholas Okon, Susie K Fisher, Nancy
Rynex, Tamela L Stuchiner, Providence Stroke Ctr, Portland, OR

P531
Is Access to Care Associated With Mortality in US Stroke Survivors?
Deborah A Levine, Kenneth M Langa, Univ of Michigan, Ann Arbor, MI;
Kristine A Mulhorn, Drexel Univ, Philadelphia, PA

P532
Premature Risk of Stroke in Recent Immigrants (PRESARIO):
Population-based Matched Cohort Study
Gustavo Saposnik, Donald A Redelmeier, Univ of Toronto, Toronto, ON,
Canada; Hong Lu, Inst of Clinical Evaluative Sciences, Toronto, ON,
Canada; Esme Fuller-Thompson, Univ of Toronto, Toronto, ON, Canada;
Eva Lonn, Mc Master Univ, Hamilton, ON, Canada; Joel Ray, Univ of
Toronto, Toronto, ON, Canada; on behalf of the Stroke Outcome
Research Canada (SORCan) working group

P533
Off Hours Admission for Acute Stroke is Not Associated With Worse
Outcome: A Nationwide Israeli Survey
Jonathan Y Streiffler, Rabin Medical Ctr, Petach Tikva, Israel; Michal
Benderly, Sheba Medical Ctr, Ramat Gan, Israel; Natan Bornstein, Tel
Aviv Medical Ctr, Tel Aviv, Israel; David Tanne, Sheba Medical Ctr, Ramat
Gan, Israel; National Acute Stroke Israeli Survey Investigators

P534
Racial Disparity in tPA Treatment for Stroke in a Predominantly Black
Urban Population
Amie W Hsia, Washington Hosp Ctr – Stroke Ctr, Washington, DC; Brisa
N Sanchez, Univ of Michigan, Ann Arbor, MI; Dorothy F Edwards, Univ of
Wisconsin, Madison, WI; M Chris Gibbons, Johns Hopkins Univ,
Baltimore, MD; Nina C Brown, Regina Coles, Sarah Loftin, Andrea Wein,
Sara S Koslosky, Georgetown Univ, Washington, DC; Sabila Fatima,
Howard Univ Hosp, Washington, DC; Ali Fokar, Medstar Res Inst,
Washington, DC; Jeffrey Wing, Univ of Michigan, Ann Arbor, MI;
Annapurni Jayam Trouth, Howard Univ Hosp, Washington, DC; Lewis B.
Morgenstern, Univ of Michigan, Ann Arbor, MI; Chelsea S. Kidwell,
Georgetown Univ, Washington, DC; ASPIRE Investigators
P535
Characteristics of Trauma in Patients With Prior Stroke: An Analysis of 20257 Trauma Patients in Japan
Atsushi Shiraishi, Masahito Kaji, Hidehiro Mizusawa, Yasuhiro Otomo, Tokyo Medical and Dental Univ, Tokyo, Japan

P536
Effect of IV-IA Thrombolysis on Hospital Costs (Recanalise Study): A Prospective Cohort Study
Florence Bianic, Mikael Mazighi, Jean François Spieler, Julien Labreuche, Pierre Amarenco, Bichat Claude Bernard Hosp, Paris, France

P537
Years of Disability-Adjusted Life Gained as a Result of Thrombolytic Therapy for Acute Ischemic Stroke
Keun-Sik Hong, Ilsen Paik Hosp Inje Univ, Goyang, Korea, Republic of; Jeffrey L. Saver, UCLA Stroke Ctr, Univ of California, Los Angeles, Los Angeles, CA

P538
Impact of Disability Status on Ischemic Stroke Costs
Nicole Mittmann, Soo Jin Seung, HOPE Res Ctr, Toronto, ON, Canada; Mukul Sharma, Univ of Ottawa, Ottawa, ON, Canada; The BURST Study Investigators

P540
National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Common Data Element (CDE) Project: Stroke CDE Update
Stacie Trollinger, Katherine McDowell, Kristy Miller, Alexandra Stout, Selma Kunitz, KAI Res, Inc., Rockville, MD; Jeffrey Saver, Geffen Sch of Med at UCLA, Los Angeles, CA; Scott Janis, Joanne Odenkirchen, Steven Warach, NINDS, NIH, Bethesda, MD

Preventive Strategies and Basic Science P541 – P552

SECTION 11

Moderator: Cheryl Bushnell, MD, MHSc, FAHA, Winston Salem, NC

P541
Effects of Pre-stroke Antihypertensive Agents on Early Prognosis of Acute Brain Ischemia: The Fukuoka Stroke Registry
Jiro Kitayama, Hiroshi Nakane, Yasuhiro Kumai, Saho Higashi, Fukuoka Higashi Medical Ctr, Koga City, Fukuoka, Japan; Mitsuo Iida, Takanari Kitazono, Dept of Med and Clinical Science, Graduate Sch of Medical Sciences, Kyushu Univ, Fukuoka City, Fukuoka, Japan

P543
Impact of Blood Pressure Category on Carotid Artery Intima-media Thickness With and Without Higher C-reactive Protein in a General Urban Japanese Population: The Suita Study
Yoshihiro Kokubo, Kazunori Toyoda, Tonomori Okamura, Makoto Watanabe, Aya Higashiyama, Yuu Ono, Haruko Yamamoto, Kazuyuki Nagatsu, Nati Cardiovascular Ctr, Suita Osaka, Japan

P544
Fasting Blood Glucose Alone is Insufficient to identify Diabetes and Impaired Glucose Tolerance in Subjects With Stroke and TIA
Philip Kieran, St James’s Hosp, Dublin, Ireland; Agnieska Paderska, St James’s Hosp, Dublin, Ireland; Suzanne Walsh, St James’s Hosp, Dublin, Ireland; Marie Louise Healy, St James’s Hosp, Dublin, Dublin, Ireland; Joseph Harbison, Trinity Coll Dublin, Dublin, Ireland
P545
Sleep Apnea is Associated With Silent Ischemic Brain Lesions in Stroke
Wahid Rashidzada, Headache and Pain Ctr, Leawood, KS; Ann Romaker,
St. Luke’s Hosp, Kansas City, MO; Mohammed Al-Amoodi, Univ of
Missouri, Kansas City, MO

P546
Appropriateness of Antithrombotics Use in Stroke Patients With Atrial
Fibrillation in Korea: Report of a Multicenter Observational Study
Moon-Ku Han, Wook-Joo Kim, Seoul Natl Univ Bundang Hosp.,
Seongnam-si, Republic of Korea; Jong-Moo Park, Eulji General Hosp,
Eulji Univ, Seoul, Republic of Korea; Yong-Jin Cho, Ilsan Paik Hosp, Inje
Univ, Ilsan, Republic of Korea; Soo Joo Lee, Eulji Univ Hosp, Eulji Univ,
Daejeon, Republic of Korea; Kyung Bok Lee, Soonchunhyang Univ Coll of
Med, Seoul, Republic of Korea; Tai Hwan Park, Seoul Medical Ctr, Seoul,
Republic of Korea; Jun Lee, Yeungnam Univ Coll of Med, Daegu,
Republic of Korea; Jae-Kwan Cha, Coll of Med, Dong-A University, Busan,
Republic of Korea; Kyung-Ho Yu, Byung-Chul Lee, Mi-Sun Oh, Hallym
Univ Coll of Med, Chuncheon, Republic of Korea; Myung Suk Jang,
SangYun Kim, Seong Ho Park, HEE-Joon Bae, Seoul Natl Univ. Bundang
Hosp., Seongnam-si, Republic of Korea

P547
Oral Pioglitazone at Clinically Used Doses is Neuroprotective in Rats
D’Arbra Blankenship, Jon Niemi, Elizabeth Hilow, Molly Karl, Sophia
Sundararajan, Case Western Reserve Univ, Cleveland, OH

P548
Venous-injected 50 Micron Microspheres Bypass the Lung Filter,
Embolize the Rat Brain, and Cause Perfusion Abnormalities
Melissa Bates, Alyssa Drezdon, Emily Farrell, Marlowe Eldridge, The Univ
of Wisconsin, Madison, WI

P549
AAV-mediated Co-expression of Angiopoietin-1 and VEGF in the
Ischemic Brain Results in Reduced Vessel Leakage and Infarct Size
Than VEGF Expression Alone
Fanxia Shen, Qi Hao, Espen Walker, Baoliang Sun, Fransiscas Heriyanto,
William L Young, Hua Su, Univ of California, San Francisco, San
Francisco, CA

P550
Combination Therapy of VELCADE and Low Dose tPA at 2h Provides
Potent Neuroprotection in Aged Rats After Focal Cerebral Ischemia
Li Zhang, Michael Chopp, Yuji Ueno, Yisheng Cui, Min Wei, Zheng Gang
Zhang, Henry Ford Hosp, Detroit, MI

P551
Resource Utilization for Acute Stroke in Eastern Asian Countries: The
STROKOP-Asia Study
Wen-Chuin Hsu, Sien-Tsong Chen, Chang Gung Memorial Hosp, Taipei,
Taiwan; S Hanchaiphibookul, Prasat Neurological Inst, Bangkok,
Thailand; H Rafia, Hosp Kuala Lumpur, Kuala Lumpur, Malaysia; A Jr
Roxas, The Medical City Hosp, Pasig, Philippines; J Misbach, Med Univ
of Indonesia, Jakarta, Indonesia; PW Ng, United Christian Hosp, Hong
Kong, Hong Kong; Van Thinh Le, Mai Hosp, Hanoi City, Viet Nam

P552
Gadolinium Based Contrast Perfusion Compared to Continuous Arterial
Spin Labeling for Perfusion Lesion Determination
Bernt Tore Bratane, Ronn Walvick, Univ of Massachusetts Medical,
Worcester, MA; Claire Corot, Eric Lancelot, Guerbet, Roissy Charles-de-
Gaulle Cedex, France; Marc Fisher, Univ of Massachusetts Medical,
Worcester, MA
CT P1
The Interventional Management of Stroke (IMS) III Trial: An Ongoing Phase III Trial
Joseph P Broderick, Thomas A Tomsick, Univ of Cincinnati, Cincinnati, OH; for the IMS III Investigators

CT P2
Update on Warfarin versus Aspirin in Reduced Cardiac Ejection Fraction (WARCEF) Trial
Shunichi Homma, Columbia Univ, New York, NY; Shun Kohsaka, Keio Univ, Tokyo, Japan; Patrick Pullicino, Univ of Kent, Kent, United Kingdom; Seamus Thompson, Columbia Univ, New York, NY

CT P3
Randomized Evaluation of Recurrent Stroke Comparing PFO Closure to Established Current Standard of Care Treatment (RESPECT) Trial
David Thaler, Tufts Medical Ctr, Boston, MA; John Carroll, Univ of Colorado, Aurora, MA; Richard Smalling, Univ of Texas, Houston, MA; Jeffrey Saver, UCLA, Los Angeles, MA; Brian Van Dorn, Kristine Veltum, AGA Medical Corp, Plymouth, MN

CT P4
Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH)-II Trial
Adnan I Qureshi, Zeenat Qureshi Stroke Res Ctr, Minneapolis, MN; ATACH Investigators, Zeenat Qureshi Stroke Res Ctr, Univ of Minnesota, Minneapolis, MN

CT P5
Desmoteplase 3-9 Hours After Acute Ischemic Stroke: An Update On The DIAS Clinical Trial Program
Gregory W Albers, Stanford Univ Stroke Ctr, Palo Alto, CA; Rüdiger von Kummer, Univ of Technology, Dresden, Germany

CT P6
Secondary Prevention of Small Subcortical Strokes
Ana M Roldan, Univ of Texas Health Science Ctr, San antonio, TX; Oscar R Benavente, Univ of British Columbia, Vancouver, BC, Canada; Robert G Hart, Carole White, Pablo Pergola, Univ of Texas Health Science Ctr, San Antonio, TX; Leslie McClure, Univ of Alabama at Birmingham, Birmingham, AL; Christopher Coffey, Univ of Iowa, Iowa City, IA
CT P7
ALIAS-Part 2 Phase III Multicenter Clinical Trial of Albumin Therapy for Neuroprotection in Acute Ischemic Stroke
Myron Ginsberg, Univ of Miami Sch Med, Miami, FL; Michael D Hill, Univ of Calgary, Calgary, AB, Canada; Yuko Y Palesch, Medical Univ of South Carolina, Charleston, SC; Claudia S Moy, Natl Inst of Neurological Disorders and Stroke, Rockville, MD; Renee H Martin, Sharon Yeatts, Medical Univ of South Carolina, Charleston, SC; Diego Tamariz, Univ of Miami Sch Med, Miami, FL; Karla J Ryckborst, Univ of Calgary, Calgary, AB, Canada

CT P8
Safety and Tolerability of Deferoxamine in Acute Cerebral Hemorrhage: DFO in ICH Study
Magdy Selim, Beth Israel Deaconess Medical Ctr – Harvard Medical Sch, Boston, MA; On behalf of the DFO in ICH Study Investigators

CT P9
The Familial Intracranial Aneurysm (FIA) Study II
Laura Sauerbeck, Univ of Cincinnati, Cincinnati, OH; Familial Intracranial Aneurysm Investigators

CT P10
Mechanical Retrieval and Recanalization of Stroke Clots Using Embolectomy
Chelsea S Kidwell, Georgetown Univ, Washington, DC; Reza Jahan, Sidney Starkman, Jeffry R Alger, Judy Guzy, UCLA Stroke Ctr, Los Angeles, CA; Gina Ramirez, Georgetown Univ, Washington, DC; Timothy Schaewe, Jeffrey L Saver, UCLA Stroke Ctr, Los Angeles, CA; MR RESCUE Investigators

CT P11
The Insulin Resistance Intervention after Stroke (IRIS) Trial
Walter N Kernan, Lawrence M Brass, Yale Sch of Med, New Haven, CT; Robin Conwit, Natl Insts of Neurological Disorders and Stroke, Bethesda, MD; Karen L Furie, Massachusetts General Hosp, Boston, MA; Mark Gorman, Univ of Vermont, Burlington, VT; Anne M Lovejoy, Silvio E Inzucchi, Catherine M Viscoli, Lawrence M Young, Yale Sch of Med, New Haven, CT; Ralph I Horwitz, Stanford Univ, Stanford, CA; On Behalf of the IRIS Trial Investigators

CT P12
Gore HELEX™ Septal Occluder and Antiplatelet Medical Management for Reduction of Recurrent Stroke or Imaging-Confirmed TIA in Patients with Patent Foramen Ovale (PFO) – The Gore REDUCE Study
Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; The Gore REDUCE Study Investigators

CT P13
Surgical Trial in Lobar Intracerebral Haemorrhage (STICH II)
Barbara Gregson, A David Mendelow, Newcastle Univ, Newcastle Upon Tyne, United Kingdom

CT P14
The Spot Sign for Predicting and Treating ICH Growth (STOP-IT) Study
Matthew L Flaherty, Univ of Cincinnati, Cincinnati, OH; STOP-IT Study Investigators

CT P15
ICTUS Study: International Citicoline Trial on acUte Stroke (update 2010)
Antoni Dávalos, Hosp Germans Trias i Pujol, Badalona, Spain; José Alvarez-Sabin, Hosp de la Vall d’Hebron, Barcelona, Spain; José Castillo, Hosp Clínico Univirio, Santiago de Compostela, Spain; Erik Cobo, Univ Politècnica de Catalunya, Barcelona, Spain; Exuperio Díez-Tejedor, Hosp
CT P16
Triple Antiplatelets for Reducing Dependency after Ischaemic Stroke (TARDIS). Safety And Tolerability Of Clopidogrel When Added To Aspirin And Dipyridamole In High Risk Patients With Recent Ischaemic Stroke: A Randomised Controlled Trial
Timothy J England, Margaret J Adrian, Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom; TARDIS investigators

CT P17
MR WITNESS – Multi-Center Safety Trial of IV rt-PA in Patients With Unwitnessed Stroke Onset
Lee Schwamm, A Gregory Sorensen, Ona Wu, Massachusetts General Hosp, Boston, MA; Shlee S Song, Steven Warach, Natl Inst of Neurological Diseases and Stroke, Natl Ins of Health, Bethesda, MD; MR WITNESS investigators

CT P18
Third International Stroke Trial (IST-3)
Peter A Sandercock, Joanna Wardlaw, Richard Lindley, Univ of Edinburgh, Edinburgh, United Kingdom; The IST-3 Collaborative Group

CT P19
Efficacy of Nitric Oxide in Stroke (ENOS) Trial - A Prospective Randomised Controlled Trial in Acute Stroke
Sandeep Ankolekar, Timothy England, Chamila Geeganage, Sally Utton, Philip M Bath, Univ of Nottingham, Nottingham, United Kingdom

CT P20
Clarification of Optimal Anticoagulation through Genetics (COAG) Trial
Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; The COAG Trial Group

CT P21
The Field Administration of Stroke Therapy – Magnesium (FAST-MAG) Phase 3 Clinical Trial
Jeffrey L Saver, UCLA, Los Angeles, CA; Marc Eckstein, LAFD EMS, Los Angeles, CA; Sam Stratton, LA EMS Agency, Los Angeles, CA; Frank Pratt, LA County FD EMS, Los Angeles, CA; Scott Hamilton, Stanford, Palo Alto, CA; Robin Conwit, NIH-NINDS, Bethesda, MD; David Liebeskind, UCLA, Los Angeles, CA; Chelsea Kidwell, Georgetown Univ Med Sch, Washington, DC; Gene Sung, Univ of Southern California, Los Angeles, CA; Sidney Starkman, UCLA, Los Angeles, CA; for the FAST-MAG Investigators and Coordinators

CT P22
The Second, Main Phase, of the Intensive Blood Pressure Reduction in Acute Cerebral Haemorrhage Trial (INTERACT2): Progress Update
Craig Anderson, George Inst Intl Hlth, Sydney Nsw, Australia; Yining Huang, Peking Univ First Hosp, Beijing, China; Jiguang Wang, Ctr for Epidemiological Studies and Clinical Trials, Rui Jin Hosp, Shanghai, China; Emma Heeley, Candice Delcourt, George Inst Intl Hlth, Sydney Nsw, Australia; Richard Lindley, Sydney Medical Sch, Sydney Nsw, Australia; Christian Stapf, Dept of Neurology, Lariboisiere Hosp, Paris, France; Christophe Tzourio, INSERM Unit, Paris, France; Hisatomi Arima, George Inst Intl Hlth, Sydney Nsw, Australia; Mark Parsons, John Hunter Hosp and Hunter Medical Res Unit, Newcastle, NSW, Australia; Bruce Neal, John Chalmers, George Inst Intl Hlth, Sydney Nsw, Australia; The INTERACT2 Investigators
CT P23
Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) Trial
Colin Derdeyn, Washington Univ Sch of Med, Saint Louis, MO; Marc Chimowitz, Medical Univ of South Carolina, Charleston, SC; David Fiorella, State Univ of New York, Stoney Brook, New York, NY; Tanya Turan, Medical Univ of South Carolina, Charleston, SC; Michael Lynn, Bethany Lane, Emory Univ, Atlanta, GA; Scott Janis, Natl Inst for Neurological Disorders and Stroke, Bethesda, MD

CT P24
A Pivotal Study Evaluating The Ischemic Stroke System (iss*) For Treatment Of Acute Ischemic Stroke Up To 24 Hours From Stroke Onset
Thomas Devlin, Chattanooga Ctr for Neurology Res, Chattanooga, TN

CT P25
SENTIS: A Multi-center Randomized Trial Evaluating Cerebral Perfusion Augmentation Via Partial Aortic Occlusion In Acute Ischemic Stroke
Ashfaq Shuaib, Univ of Alberta Hosp, Edmonton, AB, Canada; Peter Schellingger, Univ Erlangen, Erlangen, Germany; Harish Shownkeen, Central DuPage Hosp, Winfield, IL; Neal Rutledge, Brackenridge Medical Ctr, Austin, TX; Carlos Molina, Hosp Univ I Vail D’Hebron, Barcelona, Spain; Mauricio Concha, Sarasota Memorial Hosp, Sarasota, FL; Gary L Bernardini, Albany Medical Ctr, Albany, NY

CT P26
A Phase II RCT of Stroke Navigators to Improve Compliance with Secondary Stroke Prevention: PROTECT DC
Alexander W Dromerick, Georgetown Univ/Natl Rehabilitation Hosp, Washington, DC; M Christopher Gibbons, Johns Hopkins Sch of Med, Baltimore, MD; Dorothy F Edwards, Univ of Wisconsin, Madison, WI; Deonna Farr, Natl Rehabilitation Hosp, Washington, DC; Annapurni Jayam-Trouth, Howard Univ Sch of Med, Washington, DC; Nawar M Shara, Georgetown Univ/Medstar Res Inst, Washington, DC; Brisa N Sanchez, Univ of Michigan, Ann Arbor, MI; Ali Fokar, Medstar Res Inst, Washington, DC; Regina Coles, Georgetown Univ, Washington, DC; Judson D Richardson, Natl Rehabilitation Hosp, Washington, DC; Bruce Ovbiagele, UCLA Sch of Med, Los Angeles, CA; Chelsea S Kidwell, Georgetown Univ, Washington, DC

CT P27
Treatment of Subarachnoid Hemorrhage with Human Albumin Trial (ALISAH)
Jose I Suarez, Baylor Coll of Med, Houston, TX; The ALISAH Study Investigators

CT P28
A Phase Ib/II Prospective, Randomized, Double-blind, Placebo Controlled Study Of Ntx®-265: Human Chorionic Gonadotropin (HCG) And Epoetin Alfa (EPO) In Acute Ischemic Stroke Patients* (REGENESIS-LED Study)
Steven C Cramer, Depts of Neurology and Anatomy & Neurobiology, Univ of California, Irvine, Orange, CA; Michael D Hill, Dept of Clinical Neurosciences, Univ of Calgary, Calgary, AB, Canada; REGENESIS-LED Study Investigators

CT P29
Safety of Pioglitazone for Hematoma Resolution In Intracerebral Hemorrhage (SHRINC)
Nicole R Gonzales, Indrani Acosta, Lenis Sosa, Loren Shen, Nusrat Harun, G Ross Malik, Mallikarjunarao Kasam, M Rick Sline, Jharna Shah, Vivek Misra, Anitha Abraham, Tzu-Ching Wu, Andrew D Barreto, Sean I Savitz, Nneka L Ifejika, Monir Hossain, Mohammad H Rahbar, Jarek Aronowski, Xiurong Zhao, James C Grotta, Univ of Texas, Houston, TX
CT P30
The Vertebrobasilar Flow Evaluation and Risk for Transient Ischemic Attack and Stroke (VERiTAS) Study
Sepideh Amin Hanjani, Keith R Thulborn, Sean Ruland, Dilip K Pandey, DeJuran Richardson, Univ of Illinois at Chicago, Chicago, IL; David S Liebeskind, UCLA Stroke Ctr, Los Angeles, CA; Gregory J Zipfel, Washington Univ Sch of Med, St Louis, MO; Mitchell S Elkind, Columbia Univ, New York, NY; Jeffrey Kramer, Mercy Hosp and Medical Ctr, Chicago, IL; Frank Silver, Univ of Toronto, Toronto, ON, Canada; Scott E Kasner, Univ of Pennsylvania, Philadelphia, PA; Colin P Derdeyn, Washington Univ Sch of Med, St Louis, MO; Philip B Gorelick, Fady T Charbel, Univ of Illinois at Chicago, Chicago, IL; for the VERiTAS Study Group

CT P31
Inr Normalization In Patients With Coumarin-related Intracranial Hemorrhage – The Inch Trial: A Randomized Controlled Trial To Compare Safety And Preliminary Efficacy Of Fresh-frozen Plasma And Prothrombin Complex
Thorsten Steiner, Dept of Neurology, Univ of Heidelberg, Heidelberg, Germany; Martin Griebe, Dept of Neurology, Univ of Heidelberg, Mannheim, Germany; Boris Iandric, Dept of Internal Med, Univ of Heidelberg, Heidelberg, Germany; Rainer Kollmar, Dept of Neurology, Univ of Erlangen, Erlangen, Germany; Thomas Pfefferkorn, Dept of Neurology, Univ Clinic Grosshadern Munich, Munich, Germany; Katja Wartenberg, Dept of Neurology, Univ of Halle, Halle, Germany; Christian Weimar, Dept of Neurology, Univ of Essen, Essen, Germany; Michael Hennerici, Dept of Neurology, Univ of Heidelberg, Mannheim, Germany; Sven Poli, Dept of Neurology, Univ of Heidelberg, Heidelberg, Germany

CT P32
Tandem-1: Thrombolysis And Deteroxamine In Middle Cerebral Artery Occlusion
Monica Millán, Natalia Pérez de la Ossa, Hosp Germans Trias i Pujol, Badalona, Spain; Joaquín Serena, Hosp Dr Josep Trueta, Girona, Spain; José Vivancos, Hosp La Princesa, Madrid, Spain; José Castillo, Hosp Clinico Univrio, Santiago de Compostela, Spain; Silvia Reverté, Pilar Giner, Joan Costa, Antoni Dávalos, Hosp Germans Trias i Pujol, Badalona, Spain

CT P33
Scandinavian Candesartan Acute Stroke Trial (SCAST)
Else C Sandset, Oslo Univ Hosp, Ullevaal, Oslo, Norway; Gudrun Boysen, Bispebjerg Hosp, Copenhagen, Denmark; Daluis Jatuzis, Vilninus Univ Santariskiu Klinikos Hosp, Vilninus, Lithuania; Janika Körv, Univ Clinics of Tartu, Tartu, Estonia; Stephan Lueders, St Josefs Hosp, Cloppenburg, Germany; Przemyslaw Richter, Inst of Psychiatry and Neurology, Warsaw, Poland; Risto O Roine, Turku Univ Central Hosp, Turku, Finland; Andreas Terent, Uppsala Univ Hosp, Uppsala, Sweden; Vincent Thjis, Univ Hosp Leuven, Leuven, Belgium; Eivind Berge, Oslo Univ Hosp, Ullevaal, Oslo, Norway

CT P34
The Role of Cerebral Hemodynamics in Moyamoya Disease
Colin Derdeyn, Washington Univ Sch of Med, Saint Louis, MO; Patricia Davis, Univ of Iowa, Iowa City, IA; Allyson Zazulia, Tom Videen, Nancy Hantler, John Lee, Gregory Zipfel, Phillip Miller, Washington Univ Sch of Med, Saint Louis, MO; Venkatesh Aiyagari, Univ of Illinois-Chicago, Chicago, IL; Shyam Prabhakaran, Rush Univ Medical Ctr, Chicago, IL
CT P35
Transcranial Direct Current Stimulation (tDCS) Enhanced Stroke Recovery and Cortical Reorganization
Timea Hodics, Univ Texas SW, Dallas, TX; Joseph Hidler, Natl Rehabilitation Hosp, Washington, DC; Benjamin Xu, Natl Inst of Health, Bethesda, MD; Karen Kowalske, John Hart, Richard Briggs, Univ Texas SW, Dallas, TX; Alexander Dromerick, Natl Rehabilitation Hosp, Washington, DC; John Pezzullo, Georgetown Univ, Washington, DC; Leonardo Cohen, Natl Inst of Health, Bethesda, MD

CT P36
AHAS1: A Pilot Trial To Determine Whether Reduced Dose Intravenous Abciximab Achieves Optimal Platelet Inhibition In Acute Ischemic Stroke
Pitchaiah Mandava, Jane Anderson, William Dalmeida, VAMC & Baylor Coll of Med, Houston, TX; Thomas A Kent, Baylor Coll of Med, Houston, TX

CT P37
The Combined approach to Lysis utilizing Eptifibatide And rt-PA in acute ischemic stroke-Enhanced Regimen (CLEAR-ER) Trial: An Ongoing Phase IIb Trial
Arthur M Pancioli, Univ of Cincinnati Academic Health Ctr, Cincinnati, OH; for the CLEAR-ER Investigators

CT P38
Valsartan Efficacy on Modest Blood Pressure Reduction in Acute Ischemic Stroke (VENTURE)
Kyung-Ho Yu, Mi-Sun Oh, Hallym Univ Sacred Heart Hosp, Anyang, Korea, Republic of; Dong-wha Kang, Asan Medical Ctr, Seoul, Korea, Republic of; Jong-Moo Park, Ja-sung Koo, Eulji Univ, Nowon Eulji Hosp, Seoul, Korea, Republic of; Hee-Jun Bae, Seoul Natl Univ Bundang Hosp, Bundang, Korea, Republic of; Geun-Sik Hong, Inje Univ Ilsan Bae Hosp, Ilsan, Korea, Republic of; Young-Su Chu, Byung-Chul Lee, Hallym Univ Sacred Heart Hosp, Anyang, Korea, Republic of; VENTURE investigators

CT P39
Safety of IntraVenous Mononuclear cells for Acute Stroke (SIVMAS) Trial
Sean I Savitz, Debora East, James Grotta, Imoigele Aisiku, Harrinder Juneja, Preeti Sahota, Vivek Misra, Mallikarjunarao Kasam, Univ Texas Medical Sch Houston, Houston, TX

CT P40
A Single-Blind Study of the Safety, Pharmacokinetics and Pharmacodynamics of Escalating Repeat Doses of GSK249320 in Patients With Ischemic Stroke
Steven C Cramer, Univ of California, Irvine, Irvine, CA; on behalf of the Study Investigators

CT P41
Secondary Prevention and Observational Study Data within the Virtual International Stroke Trials Archive (VISTA-Prevention & VISTA-Plus)
Myzoon Ali, Caledonian Univ, Glasgow, United Kingdom; Hans-Christophe Diener, Univ Duisburg-Essen, Essen, Germany; Stephen Davis, Univ of Melbourne, Melbourne, Australia; Heikki Numminen, Tampere Univ Hosp, Tampere, Finland; Kennedy Lees, Univ of Glasgow, Glasgow, United Kingdom

CT P42
The START Trial: Clinical Outcome in Acute Stroke Treatment After Image Guided Patient Selection for Interventional Revascularization Therapy
Albert J Yoo, Massachusetts General Hosp, Boston, MA; The START Trial Investigators
CT P43
Feasibility And Safety Of Neuroflo In Stroke Patients Receiving IV tPA (FASTFlo tPA)
Ashfaq Shuaib, Derek Emery, Univ of Alberta Hosp, Edmonton, AB, Canada; Peter Schellinger, Univ Erlangen, Erlangen, Germany; Andre Douen, Trillium Health System, Mississauga, ON, Canada; Richard Chan, London Health Services Ctr, London, ON, Canada; Daniel Selchen, Trillium Health Ctr, Mississauga, ON, Canada

CT P44
The INSTINCT Trial: Increasing Stroke Treatment through Interventional behavior Change Tactics
Phillip A Scott, Robert Silbergleit, Lewis B Morgenstern, John D Kalbfleisch, Univ of Michigan, Ann Arbor, MI; Michael D Cabana, Univ of California San Francisco, San Francisco, CA; Shirley M Frederiksen, Univ of Michigan, Ann Arbor, MI; Peter Panagos, Washington Univ, St Louis, MO; Roger Humphries, L Creed Pettigrew, Univ of Kentucky, Lexington, KY; Steven R Levine, Mount Sinai Sch of Med, New York, NY; and the INSTINCT Investigators

CT P45
Standard Medical Management in Secondary Prevention of Ischemic Stroke in China
Liying Cui, Bin Peng, Yicheng Zhu, Jun Ni, Weihai Xu, Lixin Zhou, Ming Yao, Lin Chen, Peking Union Medical Coll Hospit, Beijing, China; Chuanqiang Pu, China PLA Geral Hospital, Beijing, China; Jiang Wu, Jilin Univ, Changchun, China; Yongjun Wang, Beijing Tiantan Hosp, Beijing, China; SMART Investigators

CT P46
VISTA-Rehab: A Resource for Stroke Rehabilitation Trials
Myzoon Ali, Caledonian Univ, Glasgow, United Kingdom; Ann Ashburn, Univ of Southampton, Southampton, United Kingdom; Audrey Bowen, Univ of Manchester, Manchester, United Kingdom; Eric Brodie, Caledonian Univ, Glasgow, United Kingdom; Susan Corr, Univ of Northampton, Northampton, United Kingdom; Avril Drummond, Judi Edmans, John Gladman, Univ of Nottingham, Nottingham, United Kingdom; Lalit Kalra, King’s Coll London, London, United Kingdom; Peter Langhorne, Glasgow Royal Infirmary and Faculty of Med, Univ of Glasgow, Glasgow, United Kingdom; Kennedy Lees, Univ of Glasgow, Glasgow, United Kingdom; Nadina Lincoln, Univ of Nottingham, Nottingham, United Kingdom; Gillian Mead, Univ of Edinburgh, Edinburgh, United Kingdom; Emma Patchick, Univ of Manchester, Manchester, United Kingdom; Alex Pollock, Caledonian Univ, Glasgow, United Kingdom; Valerie Pomeroy, Univ of East Anglia, Norwich, United Kingdom; Catherine Sackley, Univ of Birmingham, Birmingham, United Kingdom; Katharina Sunnerhagen, Univ of Gothenburg, Gothenburg, Sweden; Paulette van Vliet, Univ of Nottingham, Nottingham, United Kingdom; Marion Walker, Univ of Nottingham, Nottingham, United Kingdom; Marian Brady, Caledonian Univ, Glasgow, United Kingdom
CT P47
The NIHR Stroke Research Network Clinical Trials Portfolio
Gary Ford, NIHR Stroke Res Network, Newcastle upon Tyne, United Kingdom; Philip Bath, Div of Stroke Med, Univ of Nottingham, Nottingham, United Kingdom; Martin Brown, The Natl Hosp for Neurology & Neurosurgery, London, United Kingdom; Ian Ford, Robertson Ctr for Biostatistics, Glasgow, United Kingdom; Anne Forster, Bradford Inst for Health Res, Bradford, United Kingdom; Martin James, Dept of Med for the Elderly, Exeter, United Kingdom; Kennedy Lees, Univ Dept Of Med & Therapeutics, Glasgow, United Kingdom; Peter Langhorne, Academic Section of Geriatric Med, Glasgow, United Kingdom; Sine Littlewood, NIHR Stroke Res Network, Newcastle upon Tyne, United Kingdom; Jonathan Mant, General Practice and Primary Care Res Unit, Cambridge, United Kingdom; Hugh S Markus, Ctr for Clinical Neuroscience, St George’s Univ of London, London, United Kingdom; Bogdan Milojkovic, NIHR Stroke Res Network, Newcastle upon Tyne, United Kingdom; Michael Power, Dept of Elderly Medm, Ulster Hosp, Belfast, United Kingdom; Christopher Price, Dept of Med, Wansbeck General Hosp, Ashington, United Kingdom; Tom Robinson, Ageing and Stroke Med Group, UHL NHS Trust, Leicester, United Kingdom; Helen Rodgers, Sch of Population and Health Sciences, The Medical Sch, Univ of Newcastle upon Tyne, Newcastle upon Tyne, United Kingdom; Christine Roiffe, North Staffordshire Combined Healthcare NHS Trust, Stoke-on-Trent, United Kingdom; Hamsaraj Shetty, Univ Hosp of Wales, Cardiff, United Kingdom; Pippa Tyrrell, Salford Royal NHS Fndn Trust, Salford, United Kingdom; Marion Walker, Div of Rehabilitation and Ageing, Univ of Nottingham, Nottingham, United Kingdom

CT P48
Asymptomatic Carotid Trial 1 (ACT 1)
Seemant Chaturvedi, Wayne State Univ, Detroit, MI; Lawrence Wechsler, Univ of Pittsburgh, Pittsburgh, PA; for the ACT I Executive Committee

CT P49
Stroke Telemedicine for Arizona Rural Residents Trial
Bart M Demaerschalk, Mayo Clinic Arizona, Phoenix, AZ; Bentley J Bobrow, Arizona Dept of Health Services, Phoenix, AZ; Terri-Ellen J Kiernan, Dwight D Channer, Brie N Noble, Kerry A Brennan, Mayo Clinic Arizona, Phoenix, AZ; STARR Trial Coordinators and Investigators

CT P50
Argatroban T-PA Stroke Study – ARTSS
Andrew D Barreto, Loren Shen, Univ of Texas-Houston, Houston, TX; Andrei V Alexandrov, Univ of Alabama-Birmingham, Birmingham, AL; Jessica Lee, Univ of Texas-Southwestern, Dallas, TX; Sheryl Martin-Schild, Tulane Univ, New Orleans, LA; Anitha T Abraham, Nicole R Gonzales, Sean I Savitz, Teddy Wu, James C Grotta, Univ of Texas-Houston, Houston, TX

CT P51
TNK for Ischemic Lacunar Syndrome – the TNKilas Trial, Outcome of Four Patients Enrolled
David Z Wang, Arun V Talkad, Maureen Mathews, Judith Beck, Nicole Peterson, Jan Jahnel, OSF/INI Stroke Network, Peoria, IL
LATE-BREAKING SCIENCE ABSTRACTS

POSTER SESSION IV

THURSDAY, FEBRUARY 25
5:30 PM – 6:30 PM
Exhibit Hall A

LB P2 – LB P6

LATE-BREAKING SCIENCE SECTION

LB P2
Failure to Validate Association between Variants on 12p13 and Ischemic Stroke
Jonathan Rosand, Massachusetts General Hosp, Boston, MA; James F Meschia, Dept of Neurology, Mayo Clinic Jacksonville, Jacksonville, FL; Andrew B Singleton, Lab of Neurogenetics, NIA, Bethesda, MD; International Stroke Genetics Consortium; Wellcome Trust Case-Control Consortium 2

LB P3
Untangling The Mystery Of Poor Clinical Outcomes Despite Excellent Recanalization: Analysis Of Data From The Penumbra Pivotal Stroke Trial
Mayank Goyal, Bijoy K Menon, Michael D Hill, Andrew M Demchuk, Univ of Calgary, Calgary, AB, Canada

LB P4
Effectiveness Of Virtual Reality Using Wii Gaming Technology In Stroke Rehabilitation (EVREST): Results From A Randomized Clinical Trial
Gustavo Saposnik, Mark Bayley, Muhammad Mamdani, Donna Cheung, Kevin Thorpe, Univ of Toronto, Toronto, ON, Canada; Judith Hall, Applied Health Research Ctr, Toronto, ON, Canada; William McIlroy, Univ of Waterloo, Waterloo, ON, Canada; Jackeline Willems, Stroke Program, Toronto, ON, Canada; Robert Teasell, Univ of Western Ontario, London, ON, Canada; Leonardo G Cohen, Human Cortical Physiology and Stroke Neurorehabilitation Section, Natl Inst of Health, Bethesda, WA; Stroke Outcome Research Canada (SORCan) Working Group

LB P5
Coffee Consumption and Risk of Stroke in Men and Women: the European Prospective Investigation into Cancer-Norfolk Prospective Population Study
Yangmei Li, Robert N Luben, Dept of Public Health and Primary Care, Inst of Public Health, Sch of Clinical Med, Univ of Cambridge, Cambridge, United Kingdom; Amanda I Adler, Wolfson Diabetes and Endocrine Clinic, Inst of Metabolic Science, Addenbrooke’s Hosp, Cambridge, United Kingdom; Nicholas J Wareham, Medical Res Council Epidemiology Unit, Inst of Metabolic Science, Addenbrooke’s Hosp, Cambridge, United Kingdom; Kay-Tee Khaw, Dept of Public Health and Primary Care, Inst of Public Health, Sch of Clinical Med, Univ of Cambridge, Cambridge, United Kingdom

LB P6
Perlecan Domain V Is a Novel Stroke Treatment
Boyeon Lee, Douglas Clarke, Gregory Bix, Texas A&M Coll of Med, College Station, TX
FACULTY

The list of faculty includes invited speakers and moderators for the International Stroke Conference and the State-of-the-Art Stroke Nursing Symposium

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### ABSTRACT AUTHOR INDEX

The following index lists all abstract authors alphabetically by last name and provides the publishing number (listed to the right of each abstract title) of the associated abstract. If an abstract number is in bold, the author is presenting that abstract.

<table>
<thead>
<tr>
<th>Name</th>
<th>Publishing Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abe, Saturo</td>
<td>P464</td>
</tr>
<tr>
<td>Abe, Takato</td>
<td>107</td>
</tr>
<tr>
<td>Abe, Toshinori</td>
<td>P336</td>
</tr>
<tr>
<td>Abo, Masahiro</td>
<td>P399</td>
</tr>
<tr>
<td>Abou-Chebl, Alex</td>
<td>95, 96</td>
</tr>
<tr>
<td>Abraham, Anitha</td>
<td>CT P29, CT P50, CT P19, CT P246</td>
</tr>
<tr>
<td>Acosta, Indrani</td>
<td>102, CT P29, CT P19, CT P246</td>
</tr>
<tr>
<td>Adams, Harold P</td>
<td>P166, P489</td>
</tr>
<tr>
<td>Adams, Robert J</td>
<td>P262</td>
</tr>
<tr>
<td>Adams Jr, Harold P</td>
<td>5, 63, 83, 147, 173, P209, P349, P350, P425, P444</td>
</tr>
<tr>
<td>Adeoye, Opeolu</td>
<td>Ali, Latisha 1, CT P41, CT P46, P211, P215, P494, P500, P507, P79</td>
</tr>
<tr>
<td>Adeoye, Ope</td>
<td>6, P206</td>
</tr>
<tr>
<td>Adler, Amanda I</td>
<td>LB P5</td>
</tr>
<tr>
<td>Adler, John R</td>
<td>70</td>
</tr>
<tr>
<td>Adrian, Margaret J</td>
<td>CT P16</td>
</tr>
<tr>
<td>Agarwal, Puneet</td>
<td>P337</td>
</tr>
<tr>
<td>Agarwal, Sunil K</td>
<td>P323</td>
</tr>
<tr>
<td>Agnelli, Giancarlo</td>
<td>P306</td>
</tr>
<tr>
<td>Ago, Tetsuro</td>
<td>P195</td>
</tr>
<tr>
<td>Aguilar, Maria I</td>
<td>P212</td>
</tr>
<tr>
<td>Aguirre, Jesus</td>
<td>P67</td>
</tr>
<tr>
<td>Ahmad, Aftab</td>
<td>118, P59</td>
</tr>
<tr>
<td>Ahmad, Abdullah S</td>
<td>P506</td>
</tr>
<tr>
<td>Ahmad, Muzamil</td>
<td>P506</td>
</tr>
<tr>
<td>Ahmed, Samreen</td>
<td>P523</td>
</tr>
<tr>
<td>Ahn, Tae-Beam</td>
<td>P51</td>
</tr>
<tr>
<td>Al, Jinglu</td>
<td>P372</td>
</tr>
<tr>
<td>Aigbirio, Franklin I</td>
<td>P332</td>
</tr>
<tr>
<td>Aisiku, Imoigele</td>
<td>CT P39</td>
</tr>
<tr>
<td>Aiyagari, Venkatesh</td>
<td>131, CT P34</td>
</tr>
<tr>
<td>Ajani, Zahra</td>
<td>P126</td>
</tr>
<tr>
<td>Akella, Padmastuti</td>
<td>P469</td>
</tr>
<tr>
<td>Akhavan, Omid</td>
<td>80</td>
</tr>
<tr>
<td>Akhtar, Naveed</td>
<td>27, 92, P97</td>
</tr>
<tr>
<td>Aksoy, Didem</td>
<td>P224</td>
</tr>
<tr>
<td>Al-Amoodi, Mohammed</td>
<td>P545</td>
</tr>
<tr>
<td>Al-Hazzani, Adel</td>
<td>P226</td>
</tr>
<tr>
<td>Alam, Nazia</td>
<td>34</td>
</tr>
<tr>
<td>Albers, Gregory A</td>
<td>26</td>
</tr>
<tr>
<td>Albers, Gregory W</td>
<td>14, 162, 168, 22, 25, 36, CT P5, P15, P36, P74, P76, P157, P159, P164, P344, P431</td>
</tr>
<tr>
<td>Alberti, Andrea</td>
<td>P306</td>
</tr>
<tr>
<td>Albright, Karen C</td>
<td>4, P84</td>
</tr>
<tr>
<td>Alderman, Susan E</td>
<td>P146</td>
</tr>
<tr>
<td>Alegakis, Athanasios</td>
<td>39</td>
</tr>
<tr>
<td>Alejaldre,aida</td>
<td>P180, P380</td>
</tr>
<tr>
<td>Alencar, Ailane P</td>
<td>P434</td>
</tr>
<tr>
<td>Alee, Aitziber</td>
<td>P105, P108, P242, P251</td>
</tr>
<tr>
<td>Alexandrov, Andrei V</td>
<td>117, CT P50, P16, P216, P301</td>
</tr>
<tr>
<td>Alexandrov, Anne W</td>
<td>P16, P216, P301</td>
</tr>
<tr>
<td>Alfke, Karsten</td>
<td>P104</td>
</tr>
<tr>
<td>Alger, Jeffry</td>
<td>136, P77</td>
</tr>
<tr>
<td>Alger, Jeffry R</td>
<td>9, CT P10, P215, P236, P507, P512, P79</td>
</tr>
<tr>
<td>Ali, Latisha K</td>
<td>1, P244, P248, P510</td>
</tr>
<tr>
<td>Ali, Latisha K</td>
<td>114, 136, 9</td>
</tr>
<tr>
<td>Ali, Myzoon</td>
<td>CT P41, CT P46, P211, P215, P494, P500, P507, P79</td>
</tr>
<tr>
<td>Allen, Baxter</td>
<td>66</td>
</tr>
<tr>
<td>Allison, Matthew</td>
<td>P184</td>
</tr>
<tr>
<td>Almonte, Rosemarie</td>
<td>16</td>
</tr>
<tr>
<td>Alonso, Alvaro</td>
<td>P323</td>
</tr>
<tr>
<td>Alonso de Leichani, Maria</td>
<td>P428</td>
</tr>
<tr>
<td>Alonzon, Claudia</td>
<td>52, P433</td>
</tr>
<tr>
<td>Alsp, David</td>
<td>121</td>
</tr>
<tr>
<td>Alvarez-Sabin, José</td>
<td>12, CT P15, P18, P23, P207, P217, P252, P314</td>
</tr>
<tr>
<td>Alzamora, Maite</td>
<td>P234</td>
</tr>
<tr>
<td>Amarencio, Pierre</td>
<td>P536</td>
</tr>
<tr>
<td>Amaro, Sergi</td>
<td>P421</td>
</tr>
<tr>
<td>Ambrose, Marietta</td>
<td>P323</td>
</tr>
<tr>
<td>Amin Hanjani, Sepideh</td>
<td>CT P30, P349, P350, P444</td>
</tr>
<tr>
<td>An, Hongyu</td>
<td>11, 13, P348</td>
</tr>
<tr>
<td>An, Li</td>
<td>P522</td>
</tr>
<tr>
<td>Ander, Bradley P</td>
<td>49</td>
</tr>
<tr>
<td>Anderson, Aaron</td>
<td>P216, P301</td>
</tr>
<tr>
<td>Anderson, Craig</td>
<td>152, 156, CT P22</td>
</tr>
<tr>
<td>Anderson, David C</td>
<td>186</td>
</tr>
<tr>
<td>Anderson, Jane</td>
<td>CT P36</td>
</tr>
<tr>
<td>Andres, Robert H</td>
<td>29, P175</td>
</tr>
<tr>
<td>Andrikopoulos, Athina</td>
<td>P54</td>
</tr>
<tr>
<td>Ankolekar, Sandeep</td>
<td>47, CT P19</td>
</tr>
<tr>
<td>Annex, Brian H</td>
<td>109</td>
</tr>
<tr>
<td>Anrather, Josef</td>
<td>155</td>
</tr>
</tbody>
</table>
Aoki, Junya P193, P196, P198, P199, P200, P253, P336, P343
Arab, Lenore P446
Arai, Ken 90, P366, P459
Araújo, Draulio B P460
Arauz, Antonio P261
Arauz-Gongora, Antonio P192
Arling, Gregory W 77
Armstrong, Edward 182
Arnar, David 141
Aramesh, Mohammad AP43, P250
Aziz, Natasha 67
Aziz-Sultan, Mohammad AP43, P250
Azoulay, Laurent 54
Badimon, Lina P180
Badjatia, Neeraj P513
Baee, Hee-Joon 46, P132, P34, P69, P419, P514, P546
Bagher-Ebadian, Hassan P345
Baghaiwala, Zainab P274
Bai, Chyi-Huey P318
Bakas, Tamlyn P403
Bakon, Mati P326
Balk, Michael P07
Balfe, Neil P298
Balint, Erika P298
Balseaneau, Adrian T P382
Bamber, Roland 14, 162, 22, 25, P192, P261
Banchek, Beth P147
Bang, Oh Young P194, P233
Bao, Yi 34
Bar–Or, David P214
Barazangi, Nobil P205, P429
Barbe, Brent 140
Barclay, Jean P190
Barbosa, Anton P333
Barco, Alan P8
Baringagarrementeria, Fernando P192, P261
Barker, Peter B P309
Baron, Jean-Claude P332
Barr, Tamilyn P190
Barreto, Andrew P465
Barreto, Anna M P124, P406
Barrett, Kevin M P160, P257
Barrett, Anna M P124, P406
Barrett, Kevin M P160, P257
Barrett, John T P320
Barth, Aaron C M P155
Barth, Helen P326
Bates, Melissa P548
Batista, Leonardo M P137, P150, P21, P310
Batra, Ayush 87
Baumann, Peter P29
Baxter, Blaise 93, 94
Baybutt, Trevor 124, P406
Baykaner, Tuna P78
Bayley, Mark LB P4, P131
Bazan, Nicolas N G P86
Bäzner, Hansjörg P297
Bean, Judy P208
Becker, John A P341
Becker, Kyra J 103, 104, P125
Bedeck, Ann P205, P429
Beisier, Alexa S 143
Bektas, Hesna 102, P334
Belagage, Samir R P299, P400
Bellon, Richard P104
Belayev, Ludmila P86
Bell, Jessica P10
Bell-Stephens, Teresa 65, P38
Bembry, Joliet Y 106
Ben Assayag, Einar 126
Bena, James 116
Benashski, Sharon E P469
Benavente, Oscar R 142, CT P6, P135
Benderly, Michal P533
Benedict, Susan L 57
Benesch, Curtis G P197, P330
Benjamin, Emelia J 143
Bensenor, Isabela M 53, P138, P434, P438
Berenstein, Alejandro P107
Berge, Eivind CT P33
Berger, Léo P442
Berges, Ivonne-Marie P405
Bernard, Timothy J 62
Bernardini, Gary L CT P25
Bernstein, Allan P130
Bertram-Arnette, Patricia P155
Beslow, Lauren A 59, 61, P267, P483
Betensky, Rebecca A P341
Betzler, Felix 35
Bever, Christopher T 196
Beverly, Branning 18
Bhat, Viveca 142, P135
Bhatia, Rita 138
Bhatia, Rohit P392
Bhatt, Archit 101, 7, P142, P373, P413
Bhattacharya, Pratik P47
Bhosle, Sangram 34
Bianic, Florence P536
Biffi, Alessandro P490
Billeci, Antonia M R P306
Bishop, Kyle 7
Birard, Andrew 134
Bix, Gregory LB P6
Blaber, Brigid P4
Blackham, Kristine P389
Bladin, Christopher 8, P322
Blankenship, D’Arbra P547
Blasco, Gerard P327, P328, P333
Blasco, Jordi P421
Bleck, Thomas P 3, P258
Bliss, Tonya M 29, 31
Bluhmki, Eric 168
Blumberg, Jeffrey B P459
Blumbergs, Peter C 42
Boada, Imma P327, P328, P333
Bobrow, Bentley J CT P49, P212
Bodner, Bernardette P311, P35
Boehner, Nancy 18
Boesen, Mikael P294
Bogoslovsky, Tanya P520
Bokkers, Renoud P H P73
Bokura, Hirokazu P451
Boltja, Margaret P155
Boitz, Marianne P362
Bonvin, Christophe P104
Book, Diane S 126
Borjigin, Jim P116
Bornstein, Natan M126, P492, P533
Borrell, Montserrat P228
Boscutti, Alessandra P375
Boulanger, Jean-Martin P442
Boulos, Alan 133
Boussel, Loic P509
Bova, Irena 126
Bowen, Audrey CT P46
Boyko, Matthew P66
Bradry, Marian CT P46
Bragin, Denis E P470
Brani, Michael P359
Bras, Charles C 4
Brass, Lawrence M CT P11
Bratane, Bernt Tore P552
Bravata, Dawn 73, 77, 196.
P129, P441
Bredno, Joerg P342, P480, P509
Brennan, Kerry A CT P49
Brenneman, Miranda P171, P174, P367
Bresacain, Laura E 52, P433
Brethour, Mary P216
Brienza, Silvina 52, P433
Briggs, Richard CT P35
Brinjikji, Waleed 169
Brinker, Gerrit 91
Brion, Bridget 20
Broderick, Joseph P 76, 147, 152,
156, 173, 6, 63.
P208, P209, P349,
P350, P386, P444
Broocks, William 197
Broshin, Bridget P185
Brott, Thomas G 168, 197, P493
Brouwers, H Bart P219
Brown, April 16
Brown, Allen P530
Brown, Devin L 189, P302, P324,
P412, P452, P456
Brown, Michael 7
Brown, Martin M CT P47
Brown, Nina C P534
Brown, Robert 149, 152, 156
Brown, W M P62
Brown, Jr, Robert D P493
Bruno, Askel P103, P357
Bruno, Peter P463
Bryson, Ronald P208
Buchsbaum, Richard P302
Buckwalter, Marion 36, P203, P218
Buelow, Janice M P403
Bulkow, Lisa P439
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burdsall, Richard</td>
<td>P398</td>
<td>Cha, Myoung-Jin</td>
<td>P100, P263</td>
</tr>
<tr>
<td>Burgess, Richard E</td>
<td>P481</td>
<td>Chabriat, Hugues</td>
<td>P271</td>
</tr>
<tr>
<td>Burke, David T</td>
<td>P317</td>
<td>Chacon, Marcus</td>
<td>P179</td>
</tr>
<tr>
<td>Burke, James F</td>
<td>189, P412</td>
<td>Chacón, Pilar</td>
<td>145</td>
</tr>
<tr>
<td>Burke, Matthew J</td>
<td>P454</td>
<td>Chalissery, George</td>
<td>187</td>
</tr>
<tr>
<td>Burton, Kirsteen R</td>
<td>P160</td>
<td>Chalmers, John</td>
<td>CT P22</td>
</tr>
<tr>
<td>Bushnell, Cheryl</td>
<td>P185</td>
<td>Chaloupka, John C</td>
<td>113, 115, P99</td>
</tr>
<tr>
<td>Busl, Katharina</td>
<td>P490</td>
<td>Chamasemani, Ali reza</td>
<td>P61</td>
</tr>
<tr>
<td>Bustos, lara R</td>
<td>P434, P438</td>
<td>Chamberlain, Alanna</td>
<td>P323</td>
</tr>
<tr>
<td>Butcher, Kenneth S</td>
<td>8, 10, 40,</td>
<td>Chamorro, Angel</td>
<td>P421, P518</td>
</tr>
<tr>
<td></td>
<td>162, P322, P329</td>
<td>Chan, Bernard P L</td>
<td>117, 118, P59</td>
</tr>
<tr>
<td>Butman, John</td>
<td>P295</td>
<td>Chan, Richard</td>
<td>CT P43, P275</td>
</tr>
<tr>
<td>Buxey, Farzad</td>
<td>P244</td>
<td>Chang, Cherylee</td>
<td>P495</td>
</tr>
<tr>
<td>Buzaitis, Ann</td>
<td>125</td>
<td>Chang, Dae-II</td>
<td>P51</td>
</tr>
<tr>
<td>Byeong-Chae, Kim</td>
<td>P484</td>
<td>Chang, Hsiu-Ching</td>
<td>P443</td>
</tr>
<tr>
<td>Caballero, Miguel</td>
<td>P518</td>
<td>Chang, Hui M</td>
<td>P449</td>
</tr>
<tr>
<td>Cabana, Michael D</td>
<td>CT P44</td>
<td>Chang, Shen-Chih</td>
<td>P140</td>
</tr>
<tr>
<td>Cain, Kevin</td>
<td>103, 104, 125</td>
<td>Chang, Steven D</td>
<td>70, P45</td>
</tr>
<tr>
<td>Cairós, Marc</td>
<td>P272</td>
<td>Chang, Wenhan</td>
<td>P120</td>
</tr>
<tr>
<td>Cakmak, Serkan</td>
<td>23</td>
<td>Chang, Wei-Lun</td>
<td>P458</td>
</tr>
<tr>
<td>Calabrese, Leonard H</td>
<td>116</td>
<td>Channer, Dwight D</td>
<td>CT P49</td>
</tr>
<tr>
<td>Calle, Analia</td>
<td>P496</td>
<td>Charbel, Fady</td>
<td>CT P30, P110, P335</td>
</tr>
<tr>
<td>Callison, R C</td>
<td>115, P99</td>
<td>Chatmon, Rhonda</td>
<td>P12</td>
</tr>
<tr>
<td>Camargo, Erica C</td>
<td>P310</td>
<td>Chaturvedi, Seemant</td>
<td>CT P48, P127, P47</td>
</tr>
<tr>
<td>Cámara, Luis</td>
<td>52, P433</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cameron, Jill</td>
<td>P404, P414, P415</td>
<td>Chaudhry, Aneeka</td>
<td>P520</td>
</tr>
<tr>
<td>Camp, Terri</td>
<td>P10</td>
<td>Chelune, Gordon J</td>
<td>48</td>
</tr>
<tr>
<td>Campbell, Bruce C V</td>
<td>162, 22, 25,</td>
<td>Chen, Bo</td>
<td>P379</td>
</tr>
<tr>
<td></td>
<td>26, P157, P157</td>
<td>Chen, Charles</td>
<td>108</td>
</tr>
<tr>
<td></td>
<td>P164, P159, P322</td>
<td>Chen, Christopher</td>
<td>P449</td>
</tr>
<tr>
<td>Campbell, Mitra</td>
<td>7</td>
<td>Chen, Donna T</td>
<td>P324</td>
</tr>
<tr>
<td>Campen, Cynthia J</td>
<td>59</td>
<td>Chen, Jelli</td>
<td>P170, P178, P374</td>
</tr>
<tr>
<td>Cánovas, David</td>
<td>P314</td>
<td>Chen, Lin</td>
<td>CT P45</td>
</tr>
<tr>
<td>Cantú, Carlos</td>
<td>P261</td>
<td>Chen, Michael</td>
<td>3, 95, 96</td>
</tr>
<tr>
<td>Cantú Brito, Carlos</td>
<td>P67, P192, P450</td>
<td>Chen, P Roc</td>
<td>P22, P19, P246</td>
</tr>
<tr>
<td>Caplan, Louis</td>
<td>P528</td>
<td>Chen, Sien-Tsong</td>
<td>P260, P551</td>
</tr>
<tr>
<td>Capone, Carmen</td>
<td>155</td>
<td>Chen, Sherman</td>
<td>P489</td>
</tr>
<tr>
<td>Capurro, Sebastian</td>
<td>P421</td>
<td>Chen, Wei-Min</td>
<td>P315, P316</td>
</tr>
<tr>
<td>Carr, Brendan G</td>
<td>4</td>
<td>Chen, Yu-Wei</td>
<td>P260, P458</td>
</tr>
<tr>
<td>Carrera, Emmanuel</td>
<td>P332</td>
<td>Cheng, Eric</td>
<td>P441</td>
</tr>
<tr>
<td>Carroll, John D</td>
<td>CT P3, P141</td>
<td>Cheng, Hao</td>
<td>118, P59</td>
</tr>
<tr>
<td>Carroll, James E</td>
<td>P384</td>
<td>Cheng, Qun</td>
<td>P379</td>
</tr>
<tr>
<td>Carrozzella, Janice</td>
<td>P208, P386</td>
<td>Cheng, Su-Chun</td>
<td>P342, P509</td>
</tr>
<tr>
<td>Carswell, Hilary</td>
<td>85</td>
<td>Cheng, Yuching</td>
<td>P182</td>
</tr>
<tr>
<td>Carter, Kelly</td>
<td>103, 104</td>
<td>Cheng, Zhiquan</td>
<td>P120</td>
</tr>
<tr>
<td>Carty, Cara L</td>
<td>82</td>
<td>Cheng-Ching, Esteban</td>
<td>95</td>
</tr>
<tr>
<td>Carvajal, Ana</td>
<td>P272</td>
<td>Chernyshev, Oleg</td>
<td>P19, P246, P334</td>
</tr>
<tr>
<td>Casaubon, Leanne K</td>
<td>P278, P454</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caso, Valeria</td>
<td>P306</td>
<td>Cheung, Donna</td>
<td>LB P4</td>
</tr>
<tr>
<td>Casper, Christy</td>
<td>P214</td>
<td>Chi-Chin Huang Taiwan</td>
<td>P260</td>
</tr>
<tr>
<td>Castellanos, Mar</td>
<td>100, P327, P328, P333</td>
<td>Stroke Registry Investigators</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P285</td>
<td>Chiang, Yi T</td>
<td>P473</td>
</tr>
<tr>
<td>Castillo, José</td>
<td>CT P15, CT P32</td>
<td>Chiba, Yasuhiro</td>
<td>111</td>
</tr>
<tr>
<td>Castle, James</td>
<td>P36, P74</td>
<td>Chilcote, Tamie</td>
<td>P391, P486</td>
</tr>
<tr>
<td>Castriota, F</td>
<td>P50</td>
<td>Chimowitz, Marc</td>
<td>CT P23</td>
</tr>
<tr>
<td>CATALIST Investigators</td>
<td>P295</td>
<td>Ching, Marilou</td>
<td>P63</td>
</tr>
<tr>
<td>Cava, Luis</td>
<td>117, P216, P301</td>
<td>Chiou, Hung-Yi</td>
<td>P260, P318</td>
</tr>
<tr>
<td>Cayuela, Aurelio</td>
<td>P58, P60</td>
<td>Chiquette, Erwin</td>
<td>P450</td>
</tr>
<tr>
<td>Cervera, Alvaro</td>
<td>P421</td>
<td>Chittiboina, Prashant</td>
<td>177</td>
</tr>
<tr>
<td>Cha, Jae-Kwan</td>
<td>P46, P514, P546</td>
<td>Chlapoutaki, Chryssanthi</td>
<td>39</td>
</tr>
</tbody>
</table>
Cho, A-Hyun P34  Conley, Vyette P465
Cho, Chang-Hoon P51  Connolly, E Sander 152, 156
Cho, Kyung Hee P46, P377, P515  Connolly, Stuart 195
Cho, K-Hyun P514  Connolly, Sarah 68
Cho, Sunghee 34  Conroy, Susan S 196
Cho, Soo-Jin P514  Conwit, Robin CT P11, CT P21,
Cho, Won-Sang P288  P211
Cho, Yong-Jin P34, P546, P69  Cook, Douglas P247
Choi, Jae H P189, P447, P473  Cook, Naomi 42
Choi, Ray P175  Copen, William A P75
Choi, Su Yeon 154, P56  Corbin, Zachary A P459
Choi, Sun Young P377  Cordina, Steve M 50
Choi-Kwon, Smi P377  Corn, Barbara H 196
Chong, Vincent F 118, P59  Corot, Claire P552
Chopp, Michael 108, 120, 179, 30, P170, P171, P178, P345, P362, P363, P368, P371, P374, P472, P524, P530  Cramer, Steven C 32, CT P28,
Chouka, Ondrej P88  CT P40
Christensen, Soren 162, 22, 25, 26, 8, P15, P157, P159, P164, P322  Crespi, Joan P180, P380
Chu, Young-Su CT P38  Crespo, Javier P180, P380
Chua, Josh Y P175, P393  Cristiano, Edgardo 52, P433
Chung, Chin-Sang P194, P233, P291, P466, P80  Crites, Monique P6
Chung, Hwan P443  Croquefois, Alexandre P150
Chung, Kyung Cheon P51  Crumbley, Patrick P32, P355
Chung, Pil-Wook P445  Crumblby, Patrick P32
Chung, Tae Hwan P402  Cruz-Flores, Salvador 164, P283
Churilov, Leonard 25  Cucchiai, Brett P352, P483
Chutinet, Aurauma P75  Cuesta, Maria V P181
Ciarametaro, Michael 187  Cui, Hong 112
Cines, Douglas 180  Cui, Liying CT P45
Cipolla, Marilyn J P114  Cui, Li-Ying P232, P235
Clark, Joseph F P88  Cui, Xu P170, P178, P374
Clark, Wayne M 197, P103  Cui, Yisheng P371, P524, P550
Clarke, Douglas LB P6  Cullen, John 148
Clermont, Allen P486  Cullen, Sean P P505
Close, Brian P103  Curb, J David P184
CLOTBUST Pro Investigators P24, P308  Cursio, Anthony P110
Cobbs, Aisha K P111  Curtis, Amy P401
Cobo, Erik CT P15  Cushman, Mary 158, 84
Cochran II, John P153  Custer, Stephanie P481
Coddington, Kelly 18  Cutlip, Donald 197
Coffey, Christopher CT P6  Cydulka, Rita K P353
Coggins, Debbie P2  Czech, Bozena 86
Cohen, Leonardo G CT P35, LB P4, P527  Czosnyka, Marek 132
Cole, John W P182, P183  D’Agostino, Sr, Ralph B 191
Coles, Regina CT P26, P534  Dadgostar, Amir P61
Collier, Lisa P511  Daggett, Virginia P129
Collins, Marnie 8, P322  Dahabreh, Issa J P319
Combs, Stephanie P401  Dale, David 71, P370
Conaway, Mark R P257, P258, P298, P503  Dalmeda, William CT P36
Concha, Mauricio CT P25  Daly, Janis J P398
Conforto, Adriana B P527  Dambinova, Svetlana A P201
Dai, David 71, P370  Damush, Teresa P129
<table>
<thead>
<tr>
<th>Name</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dandapani, Bhuvaneswari K</td>
<td>P143</td>
</tr>
<tr>
<td>Dandapani, Nikila B</td>
<td>P143</td>
</tr>
<tr>
<td>Dandapat, Sudeepa</td>
<td>P455</td>
</tr>
<tr>
<td>Dani, Krishna A</td>
<td>P457, P522</td>
</tr>
<tr>
<td>Daniels, Dianne</td>
<td>P326</td>
</tr>
<tr>
<td>Dankbaar, Jan W</td>
<td>P342</td>
</tr>
<tr>
<td>Darkhabani, Ziad</td>
<td>P63</td>
</tr>
<tr>
<td>Darsaut, Marie P</td>
<td>P45</td>
</tr>
<tr>
<td>Darsaut, Tim E</td>
<td>70, 45</td>
</tr>
<tr>
<td>DASH Investigators</td>
<td>P344</td>
</tr>
<tr>
<td>Daunis-i-Estadella, Josep</td>
<td>P327, P328, P333</td>
</tr>
<tr>
<td>Dávalos, Antonio</td>
<td>100, CT P15, CT P32, P172, P324, P314</td>
</tr>
<tr>
<td>Davidoff, Allen W</td>
<td>P86</td>
</tr>
<tr>
<td>Davis, Lisa A</td>
<td>P295</td>
</tr>
<tr>
<td>Davis, Patricia H</td>
<td>CT P34, P166, P489</td>
</tr>
<tr>
<td>Davis, Stephen</td>
<td>8, CT P41</td>
</tr>
<tr>
<td>Davis, Stephen M</td>
<td>162, 22, 25, 26, P15, P157, P159, P164, P322, P341</td>
</tr>
<tr>
<td>Day, Jason S</td>
<td>P489</td>
</tr>
<tr>
<td>De Juan-Delago, Manuel</td>
<td>P228</td>
</tr>
<tr>
<td>De Silva, Deidre A</td>
<td>162, 22, 25, 26, 8, P15, P157, P159, P164, P322, P431</td>
</tr>
<tr>
<td>DeSimoni, Maria Grazia</td>
<td>85</td>
</tr>
<tr>
<td>Deans, Robert J</td>
<td>P384</td>
</tr>
<tr>
<td>Deasis, Daniel P</td>
<td>177</td>
</tr>
<tr>
<td>Deb, Milani</td>
<td>P255</td>
</tr>
<tr>
<td>Debette, Stephanie</td>
<td>143</td>
</tr>
<tr>
<td>DeCarli, Charles</td>
<td>143, 43, 49</td>
</tr>
<tr>
<td>DeCesare, Sharon A</td>
<td>P105</td>
</tr>
<tr>
<td>DeGREGorio Rocosolano, Nuria</td>
<td>P172</td>
</tr>
<tr>
<td>Deka, Ranjan</td>
<td>152</td>
</tr>
<tr>
<td>del Rio-Espinola, Alberto</td>
<td>145</td>
</tr>
<tr>
<td>Del-Rio, Alberto</td>
<td>P314</td>
</tr>
<tr>
<td>DeLaGarza, Bryan H</td>
<td>P364</td>
</tr>
<tr>
<td>Delcourt, Candice</td>
<td>CT P22</td>
</tr>
<tr>
<td>Delgado, Ana L</td>
<td>P279</td>
</tr>
<tr>
<td>Delgado, Pilar</td>
<td>145</td>
</tr>
<tr>
<td>Delgado Almazdoz, Josser E</td>
<td>38, P219, P222, P225, P227</td>
</tr>
<tr>
<td>Delgado-Mederos, Raquel</td>
<td>P180, P217, P228, P380</td>
</tr>
<tr>
<td>Dell’Aniello, Sophie</td>
<td>54</td>
</tr>
<tr>
<td>Delle, M</td>
<td>P50</td>
</tr>
<tr>
<td>Demaerschalk, Bart M</td>
<td>163, CT P49, P212</td>
</tr>
<tr>
<td>Demchuk, Andrew M</td>
<td>LB P3, P16, P24, P25, P308, P392, P461, P66</td>
</tr>
<tr>
<td>Dengler, Reinhard</td>
<td>P255, P27</td>
</tr>
<tr>
<td>Derdeyn, Colin</td>
<td>13, CT P23, CT P30, CT P34</td>
</tr>
</tbody>
</table>
Fields, Jeremy D 165, P106, P508 for the NINDS Natural History P520
Fifi, Johanna T P107 of Stroke Investigators
Fink, John 8 for the REGARDS Investigators 158
Finlayson, Olga P128, P187, P188 for the SPACE study group 171
Finley Caulfield, Anna 36, P203, P218 for the STRoKe DOC and 163
Fiorella, David CT P23 for the Stroke Outcome 72, P128,
Fischbein, Nancy 36, P218 Research Canada P187, P188
Fischbein, Nancy J P224 (SORCan) working group
Fisher, Marc P292, P552 for the UCLA Collateral 114, 9,
Fisher, Mark P90, P487 Investigators P507, P512, P79
Fisher, Michael J 59 for the UCLA Stroke P215
Fisher, Susie K P530 Investigators
Fitzpatrick, Maria 183 for the UCSF Brain AVM P37
Fitzsimmons, Brian-Fred P187, P188 Study Project
Flaherty, Matthew L 147, 173, 5, 6, 63, 83, CT P14, P206, P208, P209, P349, P350, P444, P62 for the VISTA Collaborators 28
Flint, Alexander C P505 Ford, Andria L 11, 13, P348
Flores, Alan P23 Ford, Gary CT P47
Flores, Salvador C 75, P223 Forder, Joan P 112
Foerster, Alex P290 Formgren, J P50
Fok, Joshua W 116 Foroud, Tatiana 152
Fokar, Ali CT P26, P481, P534 Förster, Anne CT P47
Foley, Lesley M 140 Förster, Alex P297
Fonarow, Gregg C 71, 190 Foster, Lauren P147
Fontcuberta, Jordi P228 Fowler, Anna P103
For ATACH Investigators 21 Fox, Peter T P364, P474, P475, P478
For Endovascular Coiling 150 Fraser, Justin F 66, P467, P513
Of Small Aneurysm 150 Frederiksen, Shirley M CT P44
multicenter study group Freeman, Jeremy 60
(ECOSA study) Freeman, William D P493
for the ACT I Executive P104
Committee Frei, Don
for the CAIST Investigators P499 Frejoo, Marimar P314
for the CLEAR-ER PT C37 French, Samuel P487
Investigators P487
for the CLOTBUST& Fiedland, Judith P414
TUCSON Investigators Friedman, Bruce 74
for the CREST Investigators 197 Friedel, Sharon P269
and NINDS Investigators 168 Froehler, Michael 136, P244, P248,
for the EPITHET and DEFUSE 26 P286, P507
Investigators Forment, Jean-Claude 23
For the Executive Committee 170 Frommeyer, Brooke 101
for the FAST-MAG P341, P485
CT P21 Frosch, Matthew P P341, P485
Investigators and Coordinators P507
For the FIA Investigators 152, 156 Fujimoto, Takeshi P237, P48
for the Helsinki Stroke P296 Fujita, Shuichi P193
Thrombolysis Registry Fujita, Manabu P229
for the ICTUS Trial CT P15 Fujiwara, Risako P237, P48
for the IMS III Investigators CT P1 Fukuda, Akiko P399
for the Japan Alteplase P305 Fukumoto, Shinya P229
Clinical Trial II (J-ACT II) Group Fukunaga, Kimiko P196, P199, P336
for the MERCI and Multi Fukuyama, Hidenao P376
MERCI Investigators Fuller-Thompson, Esme P532
Gretarsdottir, Solveig 141
Griebe, Martin CT P31, P290, P297
Grigoryan, Mikayel 167
Grise, Erin M 6, P206
Gross, Hartmut P357
Grotta, James 33, 98, 102, 164, 168, CT P29, CT P39, CT P50, P174, P334, P367, P146, P22, P246, P302, P492, P84
Grunberg, Ileana P248
Grunwald, Iris Q P104
Grysiewicz, Rebecca P335
Gu, Yuejie P483
Guadagno, Joseph V P332
Guarino, Peter 196
Guerra, Sonia P11
Guerrero, Cristina 100
Guevara, Erika 105, P70
Guevara Salguero, Veronica P172
Gulcher, Jeffrey P498
Guliani, Gaurav K P448
Gupta, Rajesh K P484
Gupta, Sandeep N P224
Gur, Alex 126
Gurrol, Mahmut E P166
Guzman, Raphael 65, 70, P175, P38, P393
Guzy, Judy CT P10, P248
Gwag, Byoung Joo P273
Gh, Sang-Won P46
Haass, Anton P104
Habermann, Barbara P403
Hachinski, Vladimir P275
Hacket, Werner 168
Hadwin, Jessica 103, 104
Hahn, Beth 187
Haines, Bryan P119
Hajighasemi, Fatemeh P61
Haj-Ali, Rula A 116
Hakimelahi, Reza 135
Haley, E C P302
Hall, Aaron P511
Hall, Christiana P103, P357, P257, P258, P298, P503
Hall, Judith LB P4
Hall, Ruth 72, P128, P187, P188
Hallenbeck, John M 106, 87
Hallevi, Hen 102, P126, P492
Halpern, Elkan F P65
Halpin, Amy P 39, P490
Halprin, Ryan 68
Hamedani, Ali G P182, P183
Hameed, Bilal 10, P329
Hameed, Kashif 92, P97
Hamilton, Jason A P384
Hamm, Theresa L 17
Hammer, Maxim D P105, P108, P242, P251
Han, Dae Hee P288
Han, Moon Hee 154, P56
Han, Moon-Ku 46, P13, P34
Hann, Qi 88, P39, P549
Harnadek, Michael P275
Harnish, Stacy P173
Harrigan, Mark R P301
Harris, Goordon P65, P310
Hart, John CT P35
Hartdegen, Sophia N P459
Hartenstein, Leah P107
Harun, Nusrat 102, 98, CT P29
Harison, Joseph P133, P544
Harnad, Michael P275
Hasegawa, Yasuhiro P162, P165
Hasegawa, Amez P289, P424, P432
Haselkorn, Jodie K 196
Hassan, Ameer E P213, P455
Hassan, Khalid A 184, 99
Hassan, Sarah Jane P133
Hauck, Erik P395
Hauserbusch, Mary P62
Hayakawa, Kazuhide P90, P366
Hayakawa, Minako 115, P99
Hayashi, Takuya P376
Hayes, Sharonne P186
He, Ka 79
Healy, Marie Louise P544
Heath, Roslyn P201
Heeley, Emma CT P22
Heeren, Meike P255
Heiss, Gerardo P323
Heltsh, Laura P350
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
<th>Reference Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heldt, Thomas</td>
<td>132</td>
<td>159, P140</td>
</tr>
<tr>
<td>Heliopoulos, Ioannis</td>
<td>117</td>
<td>P249, P357, P69</td>
</tr>
<tr>
<td>Helland, Brian</td>
<td>17</td>
<td>119, P230, P395</td>
</tr>
<tr>
<td>Helps, Stephen C</td>
<td>42</td>
<td>31</td>
</tr>
<tr>
<td>Hennem, Thomas M</td>
<td>164, P124, P167, P302, P418</td>
<td>P365, P476, P94</td>
</tr>
<tr>
<td>Hendry, Robert M</td>
<td>P262</td>
<td>Horberger, Eva  P297</td>
</tr>
<tr>
<td>Henkes, Hans H</td>
<td>P20</td>
<td>Horner, Ronnie  P439</td>
</tr>
<tr>
<td>Hennerici, Michael</td>
<td>CT P31, P290, P297</td>
<td>Hornung, Richard 152, 156, P444</td>
</tr>
<tr>
<td>Hendry, Robert M</td>
<td>P262</td>
<td>Horowitz, Michael B P105, P108</td>
</tr>
<tr>
<td>Henning, Erica C</td>
<td>87, P87, P95</td>
<td>P242, P251</td>
</tr>
<tr>
<td>Heo, Ji He</td>
<td>P100, P263, P34</td>
<td>Horton, Joseph  P301</td>
</tr>
<tr>
<td>Heo, Sung Hyuk</td>
<td>P51</td>
<td>Horvitz, Ralph I CT P11</td>
</tr>
<tr>
<td>Herberg, Samuel A</td>
<td>P517</td>
<td>Hossain, Monir  CT P29</td>
</tr>
<tr>
<td>Heriyanto, Fransisca</td>
<td>P549</td>
<td>Howard, Dana    P401</td>
</tr>
<tr>
<td>Hermier, Marc</td>
<td>23</td>
<td>Howard, George  158, 160, P389</td>
</tr>
<tr>
<td>Hernandez, Adrian</td>
<td>190, 71</td>
<td>197, 84</td>
</tr>
<tr>
<td>Heros, MD, Roberto C</td>
<td>P43</td>
<td>Howard, Virginia J 158, 160, P389</td>
</tr>
<tr>
<td>Hess, David C</td>
<td>P103, P357</td>
<td>84, 197</td>
</tr>
<tr>
<td>Hess, Daniel L</td>
<td>P517</td>
<td>Hozeska-Solgot, Ann P363</td>
</tr>
<tr>
<td>Hess, Mary J</td>
<td>P146</td>
<td>Hasia, Amie W   P161, P534</td>
</tr>
<tr>
<td>Hetts, Steven</td>
<td>127, P280</td>
<td>Hsieh, Chuan-Fa P260</td>
</tr>
<tr>
<td>Hidler, Joseph</td>
<td>CT P35</td>
<td>Hsieh, Fang-I   P260, P318</td>
</tr>
<tr>
<td>Higashi, Saho</td>
<td>P541</td>
<td>Hsieh, Yi-Chen  P318</td>
</tr>
<tr>
<td>Higashida, Randall</td>
<td>P386</td>
<td>Hsu, Chung-Y    P260</td>
</tr>
<tr>
<td>Higashiyama, Aya</td>
<td>144, P543</td>
<td>Hsu, Daniel     95, 96, P104</td>
</tr>
<tr>
<td>Higazi, Abd</td>
<td>180</td>
<td>P389</td>
</tr>
<tr>
<td>Hill, Michael D</td>
<td>97, CT P28, CT P7, LB P3, P131, P386, P392, P461</td>
<td>Hsu, Fang-Chi P313, P315, P316</td>
</tr>
<tr>
<td>Hill, William D</td>
<td>P517</td>
<td>Hsu, Wen-Chuin  P551</td>
</tr>
<tr>
<td>Hills, Argye E</td>
<td>P270, P274, P309, P526</td>
<td>Hu, Kun 121, P176, P528, P96</td>
</tr>
<tr>
<td>Hills, Nancy K</td>
<td>157, P130, P268, P437</td>
<td>Hu, Xiao P215</td>
</tr>
<tr>
<td>Hillow, Elizabeth</td>
<td>P547</td>
<td>Hua, Ya        P471, P488</td>
</tr>
<tr>
<td>Hiltunen, Sini</td>
<td>P453</td>
<td>Huang, Grant D  196</td>
</tr>
<tr>
<td>Himali, Jayandra J</td>
<td>143</td>
<td>Huang, Shiliang P474</td>
</tr>
<tr>
<td>Hirano, Teruyuki</td>
<td>P14, P305</td>
<td>Huang, Yining   CT P22</td>
</tr>
<tr>
<td>Hirsch, Joshua</td>
<td>135</td>
<td>Huber, Jason D  P113</td>
</tr>
<tr>
<td>Hitchens, T K</td>
<td>140</td>
<td>Hudson, Steven  P93</td>
</tr>
<tr>
<td>Hjort, Niels</td>
<td>P346, P431</td>
<td>Hughes, Mary    7</td>
</tr>
<tr>
<td>Ho, Chien</td>
<td>140</td>
<td>Huygeczy, Marietta P265</td>
</tr>
<tr>
<td>Ho, Gloria Y F</td>
<td>56</td>
<td>Huh, Kyoon     P168, P83</td>
</tr>
<tr>
<td>Hoda, Nasrul</td>
<td>P517</td>
<td>Huhn, Stephen   31</td>
</tr>
<tr>
<td>Hodics, Timea</td>
<td>CT P35</td>
<td>Hujibregts, Maria P J P404</td>
</tr>
<tr>
<td>Hoffman, Jacqueline A</td>
<td>P144</td>
<td>Hausa, Branko   P124, P167</td>
</tr>
<tr>
<td>Hoffmann, Angelika</td>
<td>P480</td>
<td>Hausa, Branko N</td>
</tr>
<tr>
<td>Hokari, Masaaki</td>
<td>P484</td>
<td>Humphries, Roger CT P44</td>
</tr>
<tr>
<td>Holloway, Robert G</td>
<td>74</td>
<td>Hussain, Muhammad S 133</td>
</tr>
<tr>
<td>Holloway, William E</td>
<td>27</td>
<td>Hussein, Halham M 75, P17, P213, P223, P245, P340</td>
</tr>
<tr>
<td>Holm, Hilma</td>
<td>141</td>
<td>P223, P245, P340</td>
</tr>
<tr>
<td>Holstein, Deborah</td>
<td>P388</td>
<td>Huston, John    149, 152</td>
</tr>
<tr>
<td>Holtzer, Eve</td>
<td>P134</td>
<td>Huy, Thang N    P24, P308</td>
</tr>
<tr>
<td>Hom, Jason</td>
<td>P342, P509, P77</td>
<td>Iadecola, Costantino 107, 155</td>
</tr>
<tr>
<td>Homma, Shunichi</td>
<td>CT P2</td>
<td>Ibrahim, Mohammad P24, P308</td>
</tr>
<tr>
<td>Hong, Chiew S</td>
<td>118, P59</td>
<td>Ibrahim, Majd   P47</td>
</tr>
<tr>
<td>Hong, Geun-Sik</td>
<td>CT P38</td>
<td>Ichod, Rebecca N 59, 61, P267</td>
</tr>
<tr>
<td>Hong, Ji Man</td>
<td>P109, P168, P273, P83</td>
<td>Idrovo-Freire, Luis P181</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ifejika, Nneka L CT P29</td>
</tr>
</tbody>
</table>
Iglesias, Serge P332
Iguchi, Yasuyuki P193, P196, P198, P199, P200, P253, P336, P343
Iida, Mitsuo 181, P195, P541
Ilodigwe, Don 128
Im, Doo Soon P273
Imanishi, Takashi P408
Inatomi, Yuichiro P14
INDAGA-NEURO Collaborative study group
Ingall, Timothy J P212
Inoue, Takuya 129
International Stroke Genetics Consortium
Investigators, ATACH CT P4
Investigators of the Registry of the Canadian Stroke
Investigators of Research Canada
Investigators of the Registry of the Canadian Stroke
Network (RCSN)
Inzitari, Domenico 44
Inzucchi, Silvio E CT P11
Ionita, Catalina P63
Irfan, Muna P498
Irie, Robert E P75
Isahaya, Kenji P519
Ishibashi, Toshihiro P42
Ishikawa, Tatsuya P237, P48
Ishrat, Tauheed P390
Israel, Susan P400, P407
Israel, David P326
Ito, Hiroshi P237, P48
Ito, Masaki P204
Ito, Masaharu P94
Ivandic, Boris CT P31
Iwai, Masaru P365, P476, P94
Iwanaga, Takeshi P193, P198, P199, P200, P253, P336, P343
Iwanami, Jun P365, P476, P94
Iwakura, Yoshinobu 111
Iwata, Tonomori P396, P408
Izumi, Manabu P237, P48
Jackson, Warren M P139
Jackson, Anne Sophia P293
Jackson, Michael F 112
Jackson, William H P517
Jacobs, David R 186
Jauch, Edward C P125
Jahan, Reza 114, 64, CT P10, P241, P244, P507, P510, P512, P77, P98
Jahnel, Jan 19, CT P51
Jahromi, Babak S P330
James, Martin CT P47
Janczyk, Matthew 178
Jang, Dong Kyu P284
Jang, Kyung-Sool P284
Jang, Myung Suk 46, P13, P132, P419, P546
Jans, Scott CT P23, P540
Janusz, James L P21
Jatowska, Patricia P154
Jatuzis, Darius CT P33
Jauch, Edward C P125
Jaura, Vishal P360
Jáuregui, Agustín 55, P496
Jayam-Throth, Annapurni CT P26
Jeerakathil, Thomas 10, 40, P329
Jeng, Jiang-Shing P260
Jennings, Christy P2
Jenkins, Matthew P179
Jeon, Esther P372
Jhaveri, Harish 92, P97
Jia, Long Fei 108
Jiang, Kenen 31
Jiang, Longfei 179
Jiang, Qian 120
Jickling, Glen 49
Jie, Su 118, P59
Jimenez, Maria 100
Jiménez-Xarrié, Elena P180, P380
Johnson, Brenda J 15
Johnson, Emily P3
Johnson, Keith P341
Johnston, Karen C P257, P258, P298, P302, P503
Johnston, S Claiborne 2, 58, 157, 172, P52, P130, P231, P266, P268, P437
Jones, John E P378
Jones, Michael 112
Jones, P Simon P332
Jones, Sara B 161, 81, P529
Jones, William J P1
Jonsdottir, Kristjana Y P346
Joo, In Soo P109, P273, P83
Joon-Tae, Kim P484
Jordan, Lori C P270
Jordan, Lori J P267
Joshi, Jay P498
Jovin, Tudor G 193, 95, 96, P105, P108, P242, P251, 93, 94, P77
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jumaa, Mouhammad</td>
<td>P105, P108</td>
<td>Kasner, Scott E</td>
<td>CT P12</td>
</tr>
<tr>
<td></td>
<td>P242, P251, P77</td>
<td></td>
<td>CT P20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CT P30</td>
</tr>
<tr>
<td>Jun, Peter</td>
<td>127, P280</td>
<td></td>
<td>P267, P337</td>
</tr>
<tr>
<td>Juncadella, Montse</td>
<td>P272</td>
<td></td>
<td>P352, P483</td>
</tr>
<tr>
<td>Juneja, Harrinder</td>
<td>CT P39</td>
<td>Kass-Hout, Tareq</td>
<td>P63</td>
</tr>
<tr>
<td>Jung, Cheolkyu</td>
<td>P13, P56</td>
<td>Kassab, Mouner Y</td>
<td>P142, P373</td>
</tr>
<tr>
<td>Jung, San</td>
<td>P514</td>
<td>Kaste, Markku</td>
<td>168, P259, P29,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P296, P426,</td>
</tr>
<tr>
<td>Kagan, Aura</td>
<td>P404</td>
<td></td>
<td>P427, P453</td>
</tr>
<tr>
<td>Kahles, Timo</td>
<td>86</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaji, Masahito</td>
<td>P535</td>
<td>Katlack, Mikalynn</td>
<td>P154</td>
</tr>
<tr>
<td>Kajimoto, Katsufumi</td>
<td>P202</td>
<td>Katou, Bunta</td>
<td>P519</td>
</tr>
<tr>
<td>Kakuda, Wataru</td>
<td>P399</td>
<td>Katramados, Angelos</td>
<td>120</td>
</tr>
<tr>
<td>Kalanithi, Suman</td>
<td>P241</td>
<td>Katsnelson, Mike</td>
<td>P250</td>
</tr>
<tr>
<td>Kalbasi Gharavi, Majid</td>
<td>P61</td>
<td>Katz, Noomi</td>
<td>126</td>
</tr>
<tr>
<td>Kalbfleisch, John D</td>
<td>CT P44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kale, Sushant</td>
<td>P283</td>
<td>Katzan, Irene</td>
<td>188</td>
</tr>
<tr>
<td>Kalia, Junaid S</td>
<td>133, 150, 95,</td>
<td>Kawano, Hiroyuki</td>
<td>P14</td>
</tr>
<tr>
<td></td>
<td>96, P394</td>
<td>Keenan, Kelly A</td>
<td>P112</td>
</tr>
<tr>
<td>Kalil, Angela</td>
<td>103, 104</td>
<td>Keep, Jeff</td>
<td>183</td>
</tr>
<tr>
<td>Kalra, Lalit</td>
<td>183, CT P46, P430</td>
<td>Keep, Richard</td>
<td>P471, P488</td>
</tr>
<tr>
<td>Kamalian, Mohammed S</td>
<td>P347</td>
<td>Keller, Amy</td>
<td>115, P99</td>
</tr>
<tr>
<td>Kamalian, Shervin</td>
<td>P331</td>
<td>Keller, Charles</td>
<td>P388</td>
</tr>
<tr>
<td>Kamalian, Shahmir</td>
<td>P221, P331,</td>
<td>Kelloway, Linda</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>P347</td>
<td>Kelly, Hillary R</td>
<td>P219, P222,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kelly, Kimberly A</td>
<td>P113</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kelly-Hayes, Margaret</td>
<td>143</td>
</tr>
<tr>
<td>Kamouchi, Masahiro</td>
<td>P195</td>
<td>Kemmling, Andre</td>
<td>P501</td>
</tr>
<tr>
<td>Kanaan, Hilal</td>
<td>P108</td>
<td>Kemp, Stephanie</td>
<td>14, 36, P74, P76</td>
</tr>
<tr>
<td>Kaneko, Nobuyuki</td>
<td>P196, P198,</td>
<td>Kent, Tibor</td>
<td>P255</td>
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<td></td>
<td>P199, P200, P336</td>
<td>Kent, David M</td>
<td>P319</td>
</tr>
<tr>
<td>Kang, Dong-wha</td>
<td>CT P38, P431,</td>
<td>Kent, Thomas A</td>
<td>CT P36</td>
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<td></td>
<td>P515, P56</td>
<td>Keouogh, Dan</td>
<td>17</td>
</tr>
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<td>Kang, Hyun-Seung</td>
<td>154, P288, P56</td>
<td>Keren-Gill, Hadar</td>
<td>31</td>
</tr>
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<td>Kang, Jihoon</td>
<td>P419</td>
<td>Kern, Rolf</td>
<td>P290, P297</td>
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<td>Kang, Yeonwook</td>
<td>46, P514</td>
<td>Kernan, Walter</td>
<td>51, CT P11</td>
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<tr>
<td>Kang-Ho, Choi</td>
<td>P484</td>
<td>Kessler, Sudha</td>
<td>61</td>
</tr>
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<td>Kansara, Amit</td>
<td>P238, P243, P385</td>
<td>Kessler, Sudah K</td>
<td>59</td>
</tr>
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<td>Kapinos, Gregory</td>
<td>P513</td>
<td>Khajia, Aslam</td>
<td>P335</td>
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<td>Kapke, Alissa</td>
<td>P345, P371</td>
<td>Khalli, Elham</td>
<td>P61</td>
</tr>
<tr>
<td>Kaplan, Robert</td>
<td>56</td>
<td>Khan, Khursheed</td>
<td>P355</td>
</tr>
<tr>
<td>Kapral, Moira</td>
<td>72, 184, P187,</td>
<td>Khan, Khurshid A</td>
<td>P24, P32,</td>
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<td>P188, P128, P31,</td>
<td>Khan, Muhammad A</td>
<td>P341</td>
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<td>P278, P417</td>
<td>Khan, Nadia</td>
<td>P38</td>
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<td>Kardia, Sharon L R</td>
<td>P317</td>
<td>Khatri, Pooja</td>
<td>147, 173, 5, 6,</td>
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<td>Karhu, Jari</td>
<td>P400, P407</td>
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<td>63, 83, P206, P209,</td>
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<td>Kariko, Katalin</td>
<td>P337</td>
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<td>P299, P349, P350,</td>
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<td>Kario, Kauzumi</td>
<td>P162, P165,</td>
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<td>P112</td>
<td>Khatri, Rakesh</td>
<td>130, P282, P55</td>
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<td>P547</td>
<td>Khaw, Kay-Tee</td>
<td>LB P5</td>
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<td>119, P395</td>
<td>Khoury, Jane</td>
<td>147, P208, 173,</td>
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<td>102, CT P29, CT</td>
<td>Khourana, Dheeraj</td>
<td>360</td>
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<tr>
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<td>P39, P174, P334</td>
<td>Ki-Hyun, Cho</td>
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<td>P144</td>
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<td>CT P10,</td>
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<td>132</td>
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<td>CT P21, CT P26, P431,</td>
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<td>P481, P534, P77</td>
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<td>P295, P312,</td>
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<td>P153</td>
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<td>115, P99</td>
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<td>CT P33</td>
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<td>186, P101</td>
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<td>Luft, Andreas R</td>
<td>124, P406</td>
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<td>Luke, Sothear M</td>
<td>P493</td>
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<td>Lumley, Thomas</td>
<td>82</td>
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<td>165, P103,</td>
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<td>P104, P141,</td>
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<td>28, 164, 4,</td>
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<td>P302, P379</td>
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<td>P161</td>
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<td>CT P23</td>
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<td>P264</td>
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<td>P255, P28, 31</td>
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<td>Macdonald, John F</td>
<td>112</td>
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<td>Martin, Josep-Lluis</td>
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<td>Macdonald, Robert L</td>
<td>128, P372</td>
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<td>Macho, Juan</td>
<td>P421</td>
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<td>Mackay, Mark</td>
<td>57, 60</td>
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<td>P483</td>
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<td>Mackey, Ariane</td>
<td>197</td>
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<td>P444</td>
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<td>P127</td>
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<td>Madden, Melissa</td>
<td>P247</td>
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<td>P47</td>
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<td>P104</td>
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<td>P436</td>
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<td>P150</td>
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<td>Maflia, Pasquale</td>
<td>85</td>
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<td>Maffucci, Alysia D</td>
<td>196</td>
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<td>P158</td>
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<td>P85</td>
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<td>76</td>
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<td>P442</td>
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<td>P23</td>
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<td>Malik, Amer M</td>
<td>P105, P108,</td>
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<td>P242, P251</td>
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<td>P123, P324,</td>
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<td>101, 7, P142,</td>
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<td>P373, P413</td>
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<td>Majithoo, Aniel</td>
<td>P47</td>
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<td>Matamala, Gonzalo</td>
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<td>Makino, Hisashi</td>
<td>144</td>
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<td>Malik, G Ross</td>
<td>CT P29</td>
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<td>Matasr, Shihab</td>
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<td>Malik, Shaneela</td>
<td>P257, P258</td>
<td></td>
<td>Matavud, Dulka</td>
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<td>Malloy, Rachel</td>
<td>20</td>
<td></td>
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<td>Maman, Muhammad</td>
<td>72, LB P4</td>
<td></td>
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<td>Man-Neck, Park</td>
<td>P484</td>
<td></td>
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<tr>
<td>Manuvalud, Dulka</td>
<td>183, P430</td>
<td></td>
<td>Matherne-Meyer, Dawn</td>
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<td>Mancin, Kimberly</td>
<td>P155</td>
<td></td>
<td>Maierlin, Marcel</td>
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<td>Mancini, Barbara</td>
<td>P153</td>
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<td>Moniche, Pachi</td>
<td>P314</td>
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<td>Monkiewicz, Michelle</td>
<td>P398</td>
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<td>Montaner, Joan</td>
<td>P89, P289, P307, P424, P432, P49, P53</td>
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<td>Monteiro, Rafael</td>
<td>P438</td>
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<td>Moomaw, Charles</td>
<td>156, 76, 147, P112</td>
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<td>Moore, Alan F</td>
<td>P86</td>
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<td>Moore, Wesley S</td>
<td>197</td>
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<td>Mora, Jaume</td>
<td>P272</td>
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<td>43</td>
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<td>189, CT P44, P317, P412, P452, P456, P534</td>
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<tr>
<td>Mori, Etsuro</td>
<td>P305</td>
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<td>Mori, Mayumi</td>
<td>P49</td>
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<td>Mori, Takahisa</td>
<td>P396, P408, P432, P49, P53</td>
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<td>Mori, Yasuo</td>
<td>112</td>
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<td>P462</td>
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<td>P376</td>
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<td>P237, P48</td>
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<td>Moseley, Mike</td>
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<td>P346</td>
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<td>P285</td>
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<td>158, 84, 97, CT P7</td>
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<td>P431</td>
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<td>P470</td>
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<td>P356</td>
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<td>Muir, Eric R</td>
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<td>P446</td>
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<td>P531</td>
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<td>P267, P483</td>
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<td>Munson, Blake</td>
<td>18</td>
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<td>P261</td>
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<td>P192, P450</td>
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<td>P29, P427</td>
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<td>180</td>
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<td>P313, P315, P316</td>
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<td>Myers, Jennifer</td>
<td>77</td>
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<td>P377</td>
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<td>P92, P378</td>
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<td>P451</td>
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<td>P164</td>
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<td>P162, P165, P53</td>
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<td>P237, P48</td>
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<td>139, P543</td>
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<td>P527</td>
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<td>P414, P415</td>
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<tr>
<td>Nakagawa, Yoji</td>
<td>P162, P165, P424, P49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakajima, Hideki</td>
<td>P462</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakamura, Takaharu</td>
<td>129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakamura, Tomomi</td>
<td>P26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakane, Hiroshi</td>
<td>P541</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakanishi, Syunji</td>
<td>P408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nakazaki, Masahito</td>
<td>P396, P408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nam, Hyo Suk</td>
<td>P100, P263, P34</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nanda, Anil</td>
<td>177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nanda, Ashish</td>
<td>95, 96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nanto, Masataka</td>
<td>P57</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naravetla, Bharath</td>
<td>P373</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Narayana, Rashmi</td>
<td>P224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Narayana, Rashmi</td>
<td>36, P218</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naritomi, Hiroaki</td>
<td>P376</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Narumiya, Shuh</td>
<td>P506</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natarajan, Sabareesh K</td>
<td>119, 151, P230, P395, P40, P41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neimark, Matthew A</td>
<td>P473</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nemeth, Istvan</td>
<td>P265</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nemkul, Niza</td>
<td>110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nemoto, Edwin M</td>
<td>P470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neumann-Haefelin, Tobias</td>
<td>86, P431</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newell, David W</td>
<td>P192</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nezu, Tomohisa</td>
<td>P162, P165</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ng, PW</td>
<td>P551</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ng, Shi Chung</td>
<td>P371</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ng, Shamay S</td>
<td>P409, P410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nguyen, Anna</td>
<td>P463</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nguyen, Hanh</td>
<td>P475</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nguyen, Thanh</td>
<td>133, 150, 95, 96, P394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nguyen-Huynh, Mai N</td>
<td>157, 172</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ni, Jun CT P45, P232, P235
Nichols, Fenwick T P103, P357
Nickles, Adrienne V P264
Niederkorn, Kurt 171
Niemi, Jon P547
Niemoller, Tiffany P86
Nighoghossian, Norbert 23, P431
Niimi, Yasunari P107
Nizuma, Kuniyasu 31
Nikkannen, Matti P29
NINDS Natural History of Stroke Investigators P158, P312, P457, P521, P522
Ning, Chou 118, P59
Nishimura, Hiroyuki 129
Nishimura, Stephen L 68
Nishiyama, Kazutoshi P432, P53
Noble, Brie N CT P49
Noble, Doris P6
Nogoshi, Shinji P229
Nogueira, Raul G 150, 93, 94, 95, 96, P310, P394, 133, 135
Noh, Hyun Jin P80
Norbash, Alexander 150
Norbash, Alexander M P394
Norton, Andrea 123
Nouri, Sarvenaz 32
Novak, Peter P528
Novak, Vera 121, 132, P176, P226, P528, P96
Novakovic, Robin P44
Novitzke, Jill 21, 75, P223, P340
Noyes, Katia 74
Ntaios, George P150
Numminen, Heikki CT P41, P29
Nunley, Marylee 19
Nunn, Tony 20
O’Brien, Richard J P169
O’Connell, Jeffrey R P182
O’Leary, Daniel H 191
O’Meara, Ellen S 82, P446
O’Phelan, Kristine H P495
O’Reily, Christine P66
Oakley, Jennifer P242
Obach, Victor P421, P518
Ocherashvilli, Aharon P326
Oczkowski, Wieslaw 24
Odenkirchen, Joanne P540
Odier, Celine P150
Offenbacher, Steven 80
Ogata, Toshiyasu P164
Ogilvy, Christopher S P230
Oguro, Hiroaki P451
Oh, Chang Wan P13
Oh, Mi-Young CT P38, P46, P514, P546
Ohanian, Arbi P463
Ohara, Peter 10, P395
Ohta, Hajime 119, P395
Ohta, Masaru 129
Okada, Hideo P57
Okada, Yasushi P162, 165
Okamura, Tomonori 14, P543
Okon, Nicholas P530
Olivot, Jean-Marc 25, 26, P36,
P74, P76, P344.
Olivot, Jean Marc 14, 162, 22, P15,
P157, P159, P164
Oliver, DalWai 71, 190
On behalf of the BASICS Investigators 167, P304
On behalf of the DEFUSE Investigators 22, P15,
EPITHET Investigators P157
On behalf of the DFO in CT P8
ICH Study Investigators 162, 25
DEFUSE Investigators
On behalf of the Everest 32
Trial Group
On behalf of the Investigators 72,
of the Registry of the P128,
Canadian Stroke Network P187,
(RCSN) P188
On Behalf of the IRIS 51
Investigators
On Behalf of the IRIS Trial CT P11
Investigators
On behalf of the Multi-Centre P449
Retinal Stroke study group
Outcome Research Canada P532
(SORCan) working group
on behalf of the Study CT P40
Investigators
Onaka, Sadao 129
Ong, Benjamin K C 117, 118, P59
Ono, Yu 144, P543
Ono, Yukihiko P237, P48
Onoda, Keichi P451
Ooboshi, Hiroaki 181
Opherk, Christian P271
Oppenheim, Catherine P431
Ordin, Ded 77
Orser, Beverley A 112
Ortega, Fabiana 52, P433
Ortega, Joseph P8
Ortiz, Gustavo P250
Ping, Philip A S 118, P59
Pires, Paulo W P525
Pirywat, Paisith P283
Pischuita, Francesca 85
Plaitakis, Andreas 39
Planas, Anna P518
Plus, Laurie P129
Poggesi, Anna 44
Poisson, Sharon N P231, P52
Polak, Joseph F 191
Polgreen, Philip M P358
Poll, Sven CT P31
Pollock, Alex CT P46
Pomerantz, Stuart R P225
Pomeroy, Valerie CT P46
Poncet, Jovita P172
Ponisio, Rosana 13
Pontbriand, Johanne P442
Pontello, Noelia P502
Pontes-Neto, Octávio M P460
Poole, Roxanne 80
Popa-Wagner, Aurel P382
Ponseau, J Trevor P92
Powell, Janet W 196
Prabhakar, Sudesh P360
Prabhakaran, Shyam 3, CT P34, P448
Prabhakaran, Vivek P179, P381, P526
Prados, Ferran P327, P328
Prakash, Roshini P111
Pramanik, Bidyut K P423
Pratt, Frank CT P21, P211
Price, Christopher CT P47
Price, L P44
Pradas, Ferran P327, P328
Prakash, Roshini P111
Pramanik, Bidyut K P423
Prats, Alberto P327, P328
Pratt, Frank CT P21, P211
Pratt, Serena P119
Prater, K P30
Price, Christopher CT P47
Price, Christopher P397
Puy, Johnny C 150
Pu, Chuanqiang CT P45
Pu, Yue Hua P240
Puig, Josep P327, P328, P333
Pullicino, Patrick CT P2
Pundik, Svetlana P398
Purroy, Francisco P314
Purushotham, Archana 14, P76
Putaala, Jukka P259, P426, P454
Pyne-Geithman, Gail P88
Qian, Yi P42
Qin, Luoy P34
Qiu, Bingjie P363
Qurel, Luis P180, P380
Quigley, Edward P P82
Quintero Wolfe, MD, Stacey P43
Qureshi, Adnan I P51, P101,
Qureshi, M N P210, P64
Qureshi, Sakib P71
R Ch En, Peng 98
Rahbhan, Mohammad A P29
Rai, Ansaar 93
Rairigh-Wolfenberger, Julie P29
Rajamani, Kumar P127
Rajpathak, Swapnil P66
Ramachandran, Tara 148, 153
Raman, Rema 163, 164, P124,
P167, P418
Rambo, Brandi P155
Ramirez, Arturo P67
Rao, Vivek A P505
Rapp, Karen S 164
Raser, Jonathan M P352
Rashidzada, Wahid P545
Rasmussen, Jennifer 16
Rassner, Ulrich A P82
Ratan, Rajiv 34
Rauzi, Mary Beth P9
Ray, Joel P532
Raychev, Radoslav P244, P507
Rayes, Mahmoud 133, 150, P238,
P243, P385, P47
Rezvany, Alexander P190
Reddy, Vivek K P105, P108,
P242, P251
Redelmeier, Donald A P532
Reed, Aubrey P2
Reeves, Mathew 190, 7, P264,
and Investigators
REGENESIS-LED Study CT P28
RE-LY Steering Committee 195
Registry of the Canadian 24
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reilly, Paul</td>
<td>195</td>
</tr>
<tr>
<td>Reimers, B</td>
<td>P50</td>
</tr>
<tr>
<td>Reis, Felipe</td>
<td>P527</td>
</tr>
<tr>
<td>Reiszadeh, Mahnoush</td>
<td>P61</td>
</tr>
<tr>
<td>Reith, Wolfgang</td>
<td>P104</td>
</tr>
<tr>
<td>Reith, W</td>
<td>P50</td>
</tr>
<tr>
<td>Remollo, Sebastia</td>
<td>P327</td>
</tr>
<tr>
<td>Rempe, David</td>
<td>P479</td>
</tr>
<tr>
<td>Renoux, Christel</td>
<td>54</td>
</tr>
<tr>
<td>Restrepo, Lucas</td>
<td>1, P211</td>
</tr>
<tr>
<td>Reverté, Silvia</td>
<td>CT P32, P234</td>
</tr>
<tr>
<td>Reyes, Jovy</td>
<td>P8</td>
</tr>
<tr>
<td>Reynolds, Matthew W</td>
<td>187</td>
</tr>
<tr>
<td>Rha, Jounge-Ho</td>
<td>P34</td>
</tr>
<tr>
<td>Rhodes, David</td>
<td>84</td>
</tr>
<tr>
<td>Rhodes, James D</td>
<td>12, 145, P16,</td>
</tr>
</tbody>
</table>
| Ri, P18, P207, P217   | P23, P25, P252,
P304, P314     |
| Ribó, Marc            | 158          |
| Ribó, Marc            | 12           |
| Riccio, Patricia M    | 55, P496, P502|
| Rich, Stephen S       | P313         |
| Richards, Lorie G     | 196          |
| Richardson, DeJuran   | CT P30       |
| Richardson, Denyse    | P414         |
| Richardson, Judson D  | CT P26       |
| Richie, Alex N        | P493         |
| Richter, Przemyslaw   | CT P33       |
| Rico, Imma            | 175, P272    |
| Riesner, Cara         | P401         |
| Riina, Howard         | P467         |
| Riley, John           | 180          |
| Ringer, Robert J      | 196          |
| Ringleb, Peter A      | 171          |
| Ritter, Carsten H     | 166          |
| Rivolta, Juan         | P311         |
| Rizzo, Stephanie      | P147         |
| Robertson, Annette    | P278         |
| Roberts, Cindi        | 179          |
| Roberts, Cynthia P170 | P374         |
| Roberts, Robin        | P30          |
| Roberts, Sally        | P156         |
| Robinson, Alice       | 117          |
| Robinson, Tom         | CT P47       |
| Rodgers, Helen        | CT P47       |
| Rodriguez, Abizer     | P250         |
| Rodriguez, David      | 12           |
| Rodriguez, Gustavo J  | P210, P245, P455|
| Rodriguez, Marcela    | P67          |
| Rodríguez-Luna, David | P217, P18,  |
| Rodriguez-Saldana, Joel| P67          |
| Roffe, Christine      | CT P47       |
| Rogalewski, A         | P382         |
| Rogers, Jean          | P398         |
| Roh, Hong Gee         | P56          |
| Roh, Jae-Kyu          | P491         |
| Rohan, Thomas         | 56           |
| Roine, Risto O        | CT P33       |
| Roldan, Ana           | P135         |
| Roldan, Ana M         | CT P6        |
| Roldan, Javier        | P261         |
| Romaker, Ann          | P545         |
| Romano, Marina        | 52, P433     |
| Romero, Francisco     | P18          |
| Romero, Javier M      | 38, P219,    |
| Ros, Jack             | P205, P429   |
| Rose-Derenzy, Jean    | 18           |
| Rost, Natalia S       | P459, P490   |
| Roth, Yiftach         | P326         |
| Roubin, Gary          | 197          |
| Rouge, Elodie         | P468         |
| Rouleau, Guy          | 152, 156     |
| Rowan, Elise          | 41           |
| Rowe, Derrick         | P511         |
| Rowley, Howard        | P179         |
| Roxas, A J            | P551         |
| Royston, Mikki        | P156         |
| Rubiera, Marta        | 12, P16, P18,|
| Rubio, Francisco      | P314         |
| Rudd, Natalie         | P3, P9       |
| Ruetzler, Christl A   | 87           |
| Rufenacht, Daniel    | P104         |
| Ruiz-Ares, Gerardo    | P497         |
| Ruiz-Sandoval, Jose L | P192, P450   |
| Ruey, Wi-Sun          | P530         |
| Rynex, Nancy          | P930         |
| Sabatnia, Mohammad    | P61          |
| Sabri, Mohamed        | P372         |
| Saadatnia, Mohammad   | P61          |
| Rachelle, Seychella   | P324         |
| Rachelle, Seychella   | P345         |
| Rachelle, Seychella   | P361         |
| Rachelle, Seychella   | P372         |
Sacco, Ralph 43, P30
Sackley, Catherine CT P46
Sadker, Adnan P142
Safford, Monika 160, 158, 84
Sahlas, Demetrios 24
Sahota, Preeti CT P39
Saini, Monica 10, P329
Sánz, María P228
Sairanen, Tiina P29, P296, P426, P427
Saitoh, Hisatoshi P464
Sakai, Kenzo P200, P253, P196, P198
Saki, Jani P116
Salar, Keyan 65
Salat, David 145, P314, P341
Salbach, Nancy M P411
Sale, Michele M P313, P315, P316
Salomon, Noriko 136, P241, P244, P507
Salari, Keyan 65
Salat, David 145, P314, P341
Salk, Nancy M P411
Sale, M. E P313, P315, P316
Salonen, Oili P453
Salottiolo, Kristin P214
Saltzman, Gregory M P123
San Roman, Luis P421
Sanchez, Brisa N 189, CT P26, P412, P452, P456, P534
Sanchez-Gonzalez, Javier P327, P328
Sander, Stephen D 187
Sandercock, Peter 5, CT P18
Sandhu, Gurpreet S P389
Sandset, Else C P336
Sanchez-Gonzalez, Javier P327
Schellinger, Peter CT P25, CT P43, P16, P25
Scheinert, D P50
Schoenlein, Patricia V P517
Schwammenthal, Yvonne P256
Schoenewaldt, Wouter J 167, P304
Schnitzler, Christian 122, 123, 35
Schlegel, Sherene P10
Schmid, Kristin P205
Schmit, Pamela P208, P209
Schneider, Thomas P342
Schoenlein, Patricia V P517
Schweitzer, Johanna 120
Schubert, David P85
Schulz, Lonni 18
Schumacher, Helmut P27
Schwertfeger, Jobyna D P9
Schwab, Kristin P227, P324
Schwarz, Jörg P72
Schwammenthal, Vyonne P256
Schwartz, Neil 36, P74
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
<th>Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scocco, Darío</td>
<td>P496</td>
<td>Shibaki, Daniel 53</td>
</tr>
<tr>
<td>Scott, Phillip A</td>
<td>CT P44</td>
<td>Shibazaki, Kensaku P193, P196,</td>
</tr>
<tr>
<td>Sebastian, Joseph</td>
<td>P24, P308</td>
<td>P198, P199, P200,</td>
</tr>
<tr>
<td>Secades, Julio J</td>
<td>CT P15</td>
<td>P253, P289, P336,</td>
</tr>
<tr>
<td>Segal, Allen Z</td>
<td>P467</td>
<td>P336, P343</td>
</tr>
<tr>
<td>Segal, Alan Z</td>
<td>P513</td>
<td>Shichinohe, Hideo 111</td>
</tr>
<tr>
<td>Segre, Alberto M</td>
<td>P358</td>
<td>Shichita, Takashi 181</td>
</tr>
<tr>
<td>Segrest, Wendy S</td>
<td>P122</td>
<td>Shimamura, Munehisa 107</td>
</tr>
<tr>
<td>Seifert, Mirco</td>
<td>91</td>
<td>Shimizu, Kanako P519</td>
</tr>
<tr>
<td>Selchen, Daniel</td>
<td>184, 99, CT P43, P128, P187, P188</td>
<td>Shin, Dong Hoon P168, P83</td>
</tr>
<tr>
<td>Selhub, Jacob</td>
<td>143</td>
<td>Shin, Joon-Hyun P46, P514</td>
</tr>
<tr>
<td>Selim, Magdy</td>
<td>121, CT P8, P226, P528, P324</td>
<td>Shinohara, Yukito 194</td>
</tr>
<tr>
<td>Selman, Warren</td>
<td>P151</td>
<td>Shintani, Aki P57</td>
</tr>
<tr>
<td>Sen, Souvik</td>
<td>79, 80</td>
<td>Shiokawa, Yoshi P162, P165,</td>
</tr>
<tr>
<td>Seo, Woo-Keun</td>
<td>P68</td>
<td>P289, P294, P432,</td>
</tr>
<tr>
<td>Seek, Jin Myoung</td>
<td>P466</td>
<td>P49, P53</td>
</tr>
<tr>
<td>Seong-Min, Choi</td>
<td>P484</td>
<td>Shiraiishi, Atsushi P535</td>
</tr>
<tr>
<td>Serena, Joaquin</td>
<td>100, CT P32, P314, P327, P328, P333</td>
<td>Shobha, Mandavar 71, P66</td>
</tr>
<tr>
<td>Seung, Soo Jin</td>
<td>P538</td>
<td>Shoda, Daisuke P229</td>
</tr>
<tr>
<td>Seung-Han, Lee</td>
<td>P484</td>
<td>Shopin, Ludmila 126</td>
</tr>
<tr>
<td>Severson, Monica A</td>
<td>P358</td>
<td>Short, Jody 101</td>
</tr>
<tr>
<td>Sewell, Adam</td>
<td>P279</td>
<td>Showmkeen, Harish CT P25</td>
</tr>
<tr>
<td>Seyfang, Leonhard</td>
<td>P359</td>
<td>Shuaib, Ashfaq CT P25, CT P43,</td>
</tr>
<tr>
<td>Shaftman, Stephanie R</td>
<td>P300</td>
<td>P24, P308,</td>
</tr>
<tr>
<td>Shah, Jharna</td>
<td>CT P29</td>
<td>P32, P355</td>
</tr>
<tr>
<td>Shah, Lubtha M</td>
<td>P82</td>
<td>Shuer, Lawrence M P45</td>
</tr>
<tr>
<td>Shah, M Mohsin</td>
<td>192</td>
<td>Sico, Jason J 73</td>
</tr>
<tr>
<td>Shah, Manish N</td>
<td>74</td>
<td>Siddiq, Farhan 113</td>
</tr>
<tr>
<td>Shah, Yogesh P</td>
<td>P290</td>
<td>Siddiqui, Adnan P151, P40, 119,</td>
</tr>
<tr>
<td>Shahaduzzaman, Md</td>
<td>P511</td>
<td>Shah, Aki P230, P395, P41</td>
</tr>
<tr>
<td>Shang, Tiesong</td>
<td>P250</td>
<td>Sidney, Stephen 157, 172, 58,</td>
</tr>
<tr>
<td>Shara, Nawar</td>
<td>P431, CT P26</td>
<td>Shola, Yolanda P228</td>
</tr>
<tr>
<td>Sharma, Mikul</td>
<td>P351</td>
<td>Silver, Brian 120</td>
</tr>
<tr>
<td>Sharma, Mukul</td>
<td>P538</td>
<td>Silver, Frank 24, CT P30, P128,</td>
</tr>
<tr>
<td>Sharma, Sushil</td>
<td>33, P174</td>
<td>P278, P417, P454</td>
</tr>
<tr>
<td>Sharma, Vily K</td>
<td>117, P16</td>
<td>Sievert, Horst P50,</td>
</tr>
<tr>
<td>Sharma, Vijay K</td>
<td>118, P24, P25, P308, P599</td>
<td>Sigmund, Curt D P115</td>
</tr>
<tr>
<td>Sharp, Frank R</td>
<td>49</td>
<td>Silla, Cathy P151, P3, P9, P276</td>
</tr>
<tr>
<td>Sheffet, Alice J</td>
<td>197</td>
<td>Silbergiet, Robert CT P44</td>
</tr>
<tr>
<td>Shehadah, Amjad</td>
<td>P178, P374</td>
<td>Simons, Jennifer 80</td>
</tr>
<tr>
<td>Shelkov, Eugene</td>
<td>P467</td>
<td>Simon, Teresa 54</td>
</tr>
<tr>
<td>Shen, Fanxia</td>
<td>68, 88, P39, P549</td>
<td>Simpson, Ross J P323</td>
</tr>
<tr>
<td>Shen, Jun</td>
<td>P522</td>
<td>Singer, Oliver C P431</td>
</tr>
<tr>
<td>Shen, Loren CT P29, CT P50, P146</td>
<td>Silva, Afonso C P460, P87</td>
<td></td>
</tr>
<tr>
<td>Shen, Li Hong</td>
<td>P177, P368, P472</td>
<td>Silva, Gisele S P310, P65, P239</td>
</tr>
<tr>
<td>Shen, Lihong</td>
<td>P363, P524</td>
<td>Silva, Yolanda P228</td>
</tr>
<tr>
<td>Shen, Qiang</td>
<td>P474, P476, P478</td>
<td>Silver, Frank 24, CT P30, P128,</td>
</tr>
<tr>
<td>Sheng, Xi</td>
<td>45</td>
<td>P278, P417, P454</td>
</tr>
<tr>
<td>Shenhar-Tsarfaty, Shani</td>
<td>126</td>
<td>Silverberg, Gerald D P45</td>
</tr>
<tr>
<td>Shereen, Ahmed</td>
<td>110</td>
<td>Simal, Patricia P428</td>
</tr>
<tr>
<td>Shetty, Hamsaraj</td>
<td>CT P47</td>
<td>Simmons, Jennifer 80</td>
</tr>
<tr>
<td>Shi, Hui</td>
<td>182</td>
<td>Simon, Teresa 54</td>
</tr>
<tr>
<td>Shi, Zhong-Song</td>
<td>64</td>
<td>Simpson, Ross J P323</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Singhal, Anesh B 116, P239, P310,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P75, P78, P370</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Singleton, Andrew P465, LB P2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sinha, Arvind K 118, P59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sinha, Sukanto P391, P486</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sitson, April P216</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sitton, Clark W P334</td>
</tr>
</tbody>
</table>
Siu, Ka-Chun P148
Sivaram, Chittur A P139
Skalabrin, Elaine J P123, P82
Skehan, Maureen E P341
Skokan, Alex P512
Skolarus, Leslie E P412, P452, P456
Slevin, Mark 67, P375
Sline, M Rick CT P29
Smale, Leslie P414
Smalling, Richard CT P3, P141
SMART Investigators CT P45
Smith, Don B P1
Smith, Eric 99, 184, 190, 71, P239, P490
Smith, Linda P9
Smith, Melinda A P452, P456
Smith, Michelle J 66
Smith, Shawn P88
Smith, Sabrina E 59, 61, P267
Smith, Wade S 165, 193, 94, P106, P231, P310, P509, P65
Smithedajkul, Paul P512
Snider, Ryan W 36, P218, P224
Snyder, Kenneth V P395
Soares, Bruno P29
Sohn, Sung Yeon P168
Sohn, Sung-II P46, P515
Sojila, Seppo P29
Soinne, Lauri P296, P426, P427
Soliman, Elsayed Z 158, 160, 84, P323
Solomon, Mary P6
Soltanian-Zadeh, Hamid P345
Son, Young-Je P228
Song, Shilee S 166, CT P17
Soo, Oi-yann Annie P240
Sorensen, AGregory 146, P78, CT P17, P75
Sosa, Denis CT P29
Souza, Leticia C S P221
Sozio, Megan P516
Sparks, Mary J P182
Spatz, Maria 87, P520
Spencer, Byron R P212
Spiller, Jean Francois P536
Sposato, Luciano A 55, P496, P502
Sprafka, Lynn P400, P407
Spratt, Neil 134, P93
Sprigg, Nicola 47
SPS3 Investigators P134
Squarcia, Mattia P421
Staff, Ilene P504
Stambouls, Eleferios P54
Stampo, Boryana 49
Stamplecowski, Melissa P278, P454
Stanwell, Peter P93
Stap, Christian CT P22
Starkman, Sidney 1, 136, 9, CT P10, CT P21, P211,
P241, P248, P494, P500, P507, P510,
P512, P79
Stecker, Margaret P3, P9
Stefansson, Kari 141
Steffens, David 48
Stehe, Sonja P20
Stein, Donald G P390
Steinberg, Gary K 29, 31, 65,
Steiner, Thorsten CT P31
Steinmetz, Helmut 86
Stener, Andrew 3, P124, P167
Stergiou, Nick P148
Stern, Barber J P182
Stern, Tracy P495
Stewart, Kenny P10
Stieg, Philip E 66
Stiell, Ian P351
Stillman, Joshua P311
Stillman, Josh P35
Stingle, Robert 171, P104
Stock, Christian P50
Stoecker, Kai P382
Stone, Michael J P219
STOP-IT Study Investigators CT P14
Storm, Phillip B P267
Stots, Grant P351
Stout, Alexandra P540
Strader, Scott P166
Straka, Matus 162, 22, 25,
Strakman, Sidney P244
Stratton, Sam CT P21
Stratton, Samuel P211
Striban, Daniel P116, P296, P426, P427
Streifler, Jonathan Y P533
Streiner, David P404
Strickler, Howard 56
Strimike, Carolyn P145
Strobel, Marc 86
Stroke Outcome 99, LB P4
Strobel, Marc P208
Strock, Jonathan Y 55
Sui, Henry S P225
Suarez, Jose I CT P27
Research Canada (SORCan) working group
StrokeCareNow Group P356
Strong, Roger P171, P367
Struff, Tobias P104
Stuart, Deborah P2
Stuchiner, Tamela L P530
Stullenberger, John P208
Su, Hua 68, 88, P118, P39, P480, P549
Su, Henry S P225
Ster, Thomas P104
Stout, Alexandra P540
Straker, Scott P166
Straka, Matus 162, 22, 25,
Strakman, Sidney P244
Stratton, Sam CT P21
Stratton, Samuel P211
Striban, Daniel P116, P296, P426, P427
Streifler, Jonathan Y 55
Streiner, David P404
Strickler, Howard 56
Strimike, Carolyn P145
Strobel, Marc 86
Stroke Outcome 99, LB P4
Sui, Hua 68, 88, P118, P39, P480, P549
Su, Henry S P225
Suarez, Jose I CT P27
Research Canada (SORCan) working group
StrokeCareNow Group P356
Strong, Roger P171, P367
Struff, Tobias P104
Stuart, Deborah P2
Stuchiner, Tamela L P530
Stullenberger, John P208
Su, Hua 68, 88, P118, P39, P480, P549
Su, Henry S P225
Suarez, Jose I CT P27
Research Canada (SORCan) working group
StrokeCareNow Group P356
Strong, Roger P171, P367
Struff, Tobias P104
Stuart, Deborah P2
Stuchiner, Tamela L P530
Stullenberger, John P208
Su, Hua 68, 88, P118, P39, P480, P549
Su, Henry S P225
Suarez, Jose I CT P27
Suárez-Calvet, Marc P180, P380, Tamariz, Diego 97, CT P7
Sugawara, Kohei P408, Tamer, Robert P208
Sugg, Rebecca M 27, Tam, Alex S 40
Sugimori, Hiroshi 181, P195, Tanaka, Yoji 176
Sugiymama, Taku 111, Tanaka, Yoko P57
Sugiymama, Yuki 181, Tang, Sung-Chun P318
Suh, Min Hee P377, Tang, Xian N 89
Suh, Sang Won 89, Tanksley, Jessica P84
Suisse, Sammy 54, Tanne, David P256, P300,
Summers, Debbie 20, P7, P326, P533
Sun, Baoliang P549, Tanzi, Pat 103, 104
Sun, Guohua 29, 31, Tapia, Jorge P135
Sun, Hong-Shuo 112, TARDIS Investigators CT P16
Sun, Hui P118, Tariq, Asma P372
Sun, Mu-Chien P260, Tariq, Nauman 113, 75, P191,
Sun, Xu-Hong 23, P213, P223, P282,
Sundararajan, Sophia P547, P394, P64
Sung, Gene CT P21, P211, P98, Tarlov, Nicholas 114
Sunnerhagen, Katharina CT P46, Tarr, Robert P104, P151, P389
Suhof, Anna P234, Tateishi, Yohei P462
Sunshine, Jeffrey P389, Tateshima, Satoshi 114, 64, P244,
Sunter, Benjamin J P143, P507, P510, P512
Supan, Erin P151, P3, P9, Tatlisumak, Turgut P259, P292,
Suri, Fareed K P455, P296, P426,
Suri, M F K 113, 130, 50, 75, P427, P453
P17, P191, P213, P223, P225, P245, P282, P340,
P498, P55, P64, P81, Taylor, Denise P404
Sutherland, Jane P351, Taylor, Robert A 113, P17, P213,
Suzuki, Akifumi P237, P48, P245, P455,
Suzuki, Rieko P307, P498, P81
Suzuki, Satoshi 129, Teasell, Robert LB P4
Suzuki, Suichi 98, Tejero, Carlos P314
Suzuki, Shuichi P19, P22, P246, Temes, Richard E 3, P448
Svendsen, Clive N 29, Swanston, Raymond A 89
Tatum, James K 127, P280
Swartz, Daniel P41, Tayal, Ashish H 95, 96
Swartz, Richard P454, Taylor, Denise P404
Sweetney, Justin 150, Tejero, Carlos P314
Switzer, Jeffrey P103, P354, P357, Tertiary, Andrea P33
Swrankar, Amar 148, 153, Terent, Andreas CT P33
Symington, Cheryl P351
Szabo, Kristina P290, P297, Teri, Linda 125
Sztriha, Laszlo 183, P430, Termes, Helena F P333
Szychowski, Jeff P134, P135, Terry, John B 115, P99
Tafreshi, Gilda P124, P167, P418, Testai, Fernando D 131
Tai, Amy 105, P70, Teuschl, Yvonne P359
Tai-Seung, Nam P484, Teves, Lucy 112, P247
Tajiri, Hiroyuki P396, P408, Thai, Demi 36, P218
Takada, Tatsuro P229, Thakur, J S P360
Takashi, Satoshi P519, Thaler, David CT P3
Takano, Daiki P237, P48, Thaler, David E P141
Takao, Hiroyuki P42, Thaler, David E P141
Takenobu, Yohei P376, The ALISAH Study CT P27
Takeshita, Iwao 129, The BURST Study P538
Talbert, Robert L P134, The COAG Trial Group CT P20
Talley Watts, PhD, Lora P388, The Finnish Telestroke Task P29
Tam, Alan 128, Tamargo, Rafael P286, Force
The Gore REDUCE Study Investigators
The INTERACT2 Investigators
The International Pediatric Stroke Study Group
The IST-3 Collaborative Group
The Japan Standard Stroke Registry Study Group
The Japan Stroke Association
The PREMIER Collaborative Study Group
The RESPECT Trial Investigators
The START Trial Investigators
The TNK in Stroke Investigators
Thjis, Vincent
Thomalla, Goetz
Thomas, Adam
Thomas, Jeffrey
Thomson, Alfredo
Thorpe, Kevin
Thorsteinsdottir, Unnur
Thulborn, Keith
Thurwanger, Hannah
Tian, Lu
Tian, Melissa
Tian, Yingfang
Tibbs, Michael
Tidwell, Joe
Tilley, Barbara C
Ting, Anthony E
Tinker, Lesley
Tinsley, Nancy
Tirschwell, David
Tiwari, Ambooj
Tofer, Geoffrey H
Tokuyama, Yoshiaki
Tomas, Camilla
Tomaszewski, Gina
Tomii, Yasuhiro
Tomsick, Thomas A
Tonarelli, Silvina B
Tong, David
Tong, Elizabeth
Tong, Xin
Toni, Danilo
Topcuoglu, Mehmet A
Toran, Pere
Torner, James
Toth, Gabor
Tountopoulou, Argyro
Towfighi, Amytis
Toyoda, Kazunori
Tracy, Michael
Tran, Thao
Tremmel, Markus
Trimalinos, Thomas A
Trimbler, Brian
Trinastic, Jonathan
Trollinger, Stacie
Trouillas, Paul
Troy, Ana B
Tsai, Albert W
Tsai, Hui-Fen
Tsai, Jersey
Tsai, Li-Huei
Tsao, Joyce
Tseng, Hung-Ping
Tsimoulis, Dimitris
Tsiouris, Apostolos J
Tsivgoulis, Georgios
Tutanma, Ramachandra
Tu, Hans T H
Tu, Jack
Tu, Jack
Tu, Hans T H
Tu, Jack
Tu, Hans T H
Tu, Jack
Tu, Hans T H
Tu, Midori
Turf, Sally
Ueno, Yui
Uesugi, Tsuyoshi
Uesugi, Tsuyoshi
Umezukazuo
Underwood, Edgar
Urra, Xabier
Uruttia, Victor
Utton, Sally
Vaishnav, Anand
Valadi, Nojan
Van Cott, Elizabeth M
van der Flier, Wiesje
P162, P165,
P289, P307, P424,
P342, P436, P49,
P53, P543
P463
P151
P319
P439
P173
P540
P23
P534
P255
P101
P260
P375
P537
P318
P39
P423
P216, P24,
P25,
P308, P54,
P59
P462
P365, P476, P94
P26
P322
P72
P113, P17,
P213, P245,
P81, P455
CT P23
49
P186
P381
P66
P247
CT P47
CT P22
P105, P108,
P242, P251
P14
P26
P229
P550
P396
P408
P42
P301
P518
15
CT P19
103
P298
P29
P370
44
Van Dorn, Brian CT P3, P141 Waismann, Gabriel 52, P433
van Osch, Matthias J P73 Waite, Angie 20
van Vliet, Paulette CT P46 Waldman, Bonnie D 97
Vaphiadis, Diane P127 Waldschmidt, Patricia P154
Varga, Monika 65 Walker, Espen 68, P549
Vargas-Barron, Jesús P261 Walker, Kyle C P492
Varrone, Jeanne 195 Walker, Marion CT P46, CT P47
Vasan, Ramachandran S P73 Wallentijn, Lars 195
Vassar, Stefanie P441 Waller, Jennifer P103
Veith, Richard C 125 Wang, Chunxue P220
Veltum, Kristine CT P3 Wang, David P9 CT P22
Venkatasubramanian, Chitra 36, P218, P224, P344 Wang, David Z CT P51
Venkatasubramanian, Narayanavin P383
Venti, Michele P306 Wang, Jun P390
VENTURE Investigators CT P38 Wang, Lei P362
Vergese, George C P132 Wang, Michael M P523
Vergouwen, Mervyn D I P278 Wang, Nancy P175
Vernalis, Marina N P144 Wang, Rong A 69
Verta, Patrick 170 Wang, Susan 195
Vespa, Paul P241, P244, P248, P215, P507 Wang, Tao P56
Vidal, Angela P333 Wang, Thomas J 143
Vidal-Pergola, Gabriela 142 Wang, Xin Li P362, P368
Videen, Tom CT P34, 37, P281, P335 Wang, Xiaoying P370
Vieira, Julie P311 Wang, Xilin P472
Villablanca, Pablo P507 Wang, Yi Long P240
Villarreal-Careaga, Jorge P192 Wang, Yun P529, 161, 81
Vink, Robert 42 Wang, Yong J P28, P31
Viñuela, Fernando 114, 64, P241, P244, P507, P510, P512 Wang, Yifei P221
Virnig, Beth A 186 Warach, Steven 166, 45, 87, CT P17, P158, P161, P295, P312, P457, P465, P520, P521, P522, P540, P73, P95
Viscoli, Catherine 51 P22
Viscoli, Catherine M CT P11
Vislosky, F Michael P61 Warburton, Elizabeth A P332
Viswanathan, Anand P341, P490 Ward, Edward 3
Vivancos, José CT P32, P428 Warden, Craig P119
Vo, Katie D 11, 13, P348 Wardlaw, Joanna CT P18
Voeks, Jennifer 197 Wareham, Nicholas J LB P5
Vogel, W B 77 Wartenberg, Katja CT P31
Volk, Talia P326 Wasserman, Jason P351
Volpe, Bruce T 196 Wasserth-Ulloller, Sylvia 56, 79, P184
von Kummer, Ruediger 168 Watanabe, Emi 161, 81, P529
von Kummer, Rüdiger CT P5 Watanabe, Makoto 144, P543
Vora, Nirav P283 Watanabe, Masao P193, P198
Vora, Nirav A P105, P108, P242 Vos, Jan-Albert 167 P199, P200, P253, P336, P343
Voumoulakis, Konstantinos P54 Wagner, Todd H 196 P335
Watson, Sam P127  Wong, John H P277
Watson, Timothy W J P461  Wong, Ka Sing P240
Weaver, Michael T P403  Wong, Lily Y H 118, P59
Webb, Alastair 41  Wong, Meng C P449
Wecsler, Lawrence CT P48, P105, P108, P242, P251  Wong, Seok Woo P109
Wong, Michael T K 118, P59  Wong, Tien Y P449
Wehner, Susan P149, P413  Woo, Daniel 147, 152, 156,
Wei, Mei 179 173, 5, 6, 63, 83,
Wei, Min P550  P206, P209, P349,
Weimar, Christian CT P31  P350, P444, P62
Wein, Andrea P534  Woodward-Hagg, Heather P129
Weinberg, Amit P326  Woon, Fung P P449
Weinheimer, Shantel M P37  Worely, Paul F P169
Weinstein, Jonathan R P117  Worrall, Bradford B 109, P313,
Weissborn, Karin P255, P27  P315, P316, P324,
Weissman, Joseph D P201  P378, P92
Weitnethiller, Benjamin P122  Worthmann, Hans P255, P27, P28
Welch, Babu G P44  Wozniak, Marcella A P182
Welcomes Trust Case- CT P6, P135, P134  P391
Welsh, Frank LB P2  Wright, Clinton 43
Wendell, Linda P483  Wright, David P190
Wendland, Michael P480  Wu, Ona 137, CT P17,
Wengle, Rebecca S P417  P75, P78
Wey, Hsiao-Ying P475  Wu, Tzu-Ching 102, CT P29, P334
Whitaker, Tammy P32  Wu, Teddy CT P50
White, Carole CT P6, P135, P134  Wunderlich, Nina P50
Whitson, Maurie P153  Xavier, Andrew 133, P238, P243,
Whittaker, Tammy P355  P385, P47, 150
Whitton, Polly A P112  Xi, Guohua P471, P488
Wijman, Christine A 164, P203, P224, P304, P344  Xi, XiaoPei 33, P171, P174
  167, 36, P218, P317, P304, P344
Wilcox, Robert P244, 77, 403
Wilde, Marsha P1  P403
Wildenberg, Joseph C P381  Xin, Hongqi P177, P472, P524
Wiley, Elka P250  Xin, Hong Qi P368
Willems, Deb P6  Xing, Lin 40
Willems, Jackeline LB P4  Xing, Yingqi P471
Willey, Joshua Z P311  Xu, Benjamin CT P35
Williams, Catherine J 187  Xu, Chuanbo 170
Williams, Justin P381  Xu, Huichun 49
Williams, Linda P129, P441, 77, 174
Williams, Linda S P403  Xu, Weihai CT P45
Willing, Allison P511  Xu, Wei-Hai P232, P235
Wilson, Tony P148  Xu, Yan P469
Wing, Jeffrey P534, P412  Xue, Dong P90
Wintemark, Max P150, P342, P480, P509, P77  Yager, Jerome 182
  P289, P424, P432, P49, P53
Wittenberg, George F 196  Yamagami, Hiroshi P162, P165,
Wiznitzer, Max 57  Yamaguchi, Ayumi 111
Wojak, Joan C 113  Yamaguchi, Shuhei P451
Wold, Jana J P82  Yamaguchi, Takenori P305
Wolf, Marc P297  Yamamoto, Akihide P376
Wolf, Philip A 143  Yamamoto, Haruko 144, P543
Wolford, Connie P36, P74  Yamashita, Shinji P193, P196,
Wollert, Kai C P255  P199, P200, P336
Won, Seok Joon 89  Yanagihara, Satoshi P408
Yang, Bing 33
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yang, Dianer</td>
<td>110  Zahunrac, Darin B</td>
</tr>
<tr>
<td>Yang, Dongsheng</td>
<td>116  Zaidat, Osama 95, 96, 133, 150,</td>
</tr>
<tr>
<td>Yang, Fan</td>
<td>P90  93, P394</td>
</tr>
<tr>
<td>Yang, Guo-Yuan</td>
<td>P39  Zaider, Syed F</td>
</tr>
<tr>
<td>Yang, Kai</td>
<td>P379  P105, P108,</td>
</tr>
<tr>
<td>Yang, Mi Hwa</td>
<td>P13, P132, P419  P242, P251</td>
</tr>
<tr>
<td>Yang, Zhong H</td>
<td>P28  Zamora, Rafael 55</td>
</tr>
<tr>
<td>Yao, Ming CT P45</td>
<td>P232  Zaroff, Jonathan G P37</td>
</tr>
<tr>
<td>Yarbrough, Karen</td>
<td>P12, P152, P4, P5  P279</td>
</tr>
<tr>
<td>Yarbrough, Laura</td>
<td>P155  Zazula, Alysson CT P34, 37, P281</td>
</tr>
<tr>
<td>Yashaswi, Veena</td>
<td>148  Zeiler, Steven R P169</td>
</tr>
<tr>
<td>Yasuda, Hiroshi</td>
<td>P464  Zhan, Ke</td>
</tr>
<tr>
<td>Yasuda, Osamu</td>
<td>P476  Zhan, Xinhua 49</td>
</tr>
<tr>
<td>Yataesima, Satoshi</td>
<td>P241  Zhang, Chunling P371</td>
</tr>
<tr>
<td>Yavagal, Dileep</td>
<td>133, P250, P43  Zhang, Jie 149</td>
</tr>
<tr>
<td>Yeatts, Shannon</td>
<td>97, CT P7, P299, P386</td>
</tr>
<tr>
<td>Yegiaian, Sharon</td>
<td>159  Zhang, Jian P91</td>
</tr>
<tr>
<td>Yeh, Poh-Shiow</td>
<td>P458  Zhang, Li 30, P524, P550</td>
</tr>
<tr>
<td>Yenari, Midori A</td>
<td>89, P120  Zhang, Lucille P362</td>
</tr>
<tr>
<td>Yoo, Albert</td>
<td>135, P347, 95, 96, CT P42, P219, P301, P75</td>
</tr>
<tr>
<td>Yook, Byeongseoo</td>
<td>P75  Zhao, Qingming 120</td>
</tr>
<tr>
<td>Yoon, Byung-Woo</td>
<td>46, P254, P34  Zhao, Xin 190</td>
</tr>
<tr>
<td>Yoon, Cindy W</td>
<td>P80, P194  Zhao, Xiurong CT P29</td>
</tr>
<tr>
<td>Yoon, Kyung-Sik</td>
<td>P51  Zhao, Xixi P110</td>
</tr>
<tr>
<td>Yoon, Sung Sang</td>
<td>P51  Zhao, Xingquan P220</td>
</tr>
<tr>
<td>Yoshimasa, Yasunao</td>
<td>144  Zhao, Xing Quan P240</td>
</tr>
<tr>
<td>Yoshimura, Akihiko</td>
<td>181  Zhao, Xing Q P28, P31</td>
</tr>
<tr>
<td>Yoshimura, Ryo</td>
<td>P57  Zhao, Yanxin P479</td>
</tr>
<tr>
<td>Yoshimura, Sohei</td>
<td>P195  Zheng, Wei P388</td>
</tr>
<tr>
<td>Young, Kate C</td>
<td>P197, P330  Zhou, Lixin CT P45</td>
</tr>
<tr>
<td>Young, Lawrence M</td>
<td>CT P11  Zhou, Li-Xin P232, P235</td>
</tr>
<tr>
<td>Young, William L</td>
<td>68, 88, P39, P549, P118, P37, P480  Zhou, Ping 107</td>
</tr>
<tr>
<td>Yu, Chia-Chen</td>
<td>P318  Zhou, Yong P220, P240, P31</td>
</tr>
<tr>
<td>Yu, Kyung-Ho</td>
<td>CT P38, P34, P46, P514, P546, P69  Zhu, Lin 35</td>
</tr>
<tr>
<td>Yu, Sung-Wook</td>
<td>P68  Zhu, Lin L 122, 123</td>
</tr>
<tr>
<td>Yu, ZhanYang</td>
<td>P370  Zhu, Yiqian P39</td>
</tr>
<tr>
<td>Yukito Shinhara for</td>
<td>194  Zierath, Dannielle 103, 104</td>
</tr>
<tr>
<td>Xinshia, Satoshi</td>
<td>281  Ziren, Nikola P271</td>
</tr>
<tr>
<td>Yun, Susan</td>
<td>P248  Zimmermann, Lara P241</td>
</tr>
<tr>
<td>Yusif, Salim</td>
<td>P30  Zink, Walter E P423</td>
</tr>
<tr>
<td>Yusuf, Salim</td>
<td>195  Zipfel, Gregory CT P34, P30,</td>
</tr>
<tr>
<td>Zacharek, Alex</td>
<td>P170, P374  Zivin, Justin A 4</td>
</tr>
<tr>
<td>Zachrich, Connie</td>
<td>P1  Zou, Xin Ying P240</td>
</tr>
<tr>
<td>Zafiris, Sprios</td>
<td>39  Zuccarello, Mario P88</td>
</tr>
<tr>
<td>Zaganas, Ioannis</td>
<td>39  Zurrú, María C 52, P433</td>
</tr>
<tr>
<td>Zahid, Rehan</td>
<td>P455  Yoh, Meide P110</td>
</tr>
<tr>
<td>Zaidat, Osama</td>
<td>93, P394  Zhao, Limin 117, P216</td>
</tr>
<tr>
<td>Zailid, Syed F</td>
<td>P105, P108,</td>
</tr>
<tr>
<td>Zajak, Neil A</td>
<td>160  Zhang, Jie 149</td>
</tr>
<tr>
<td>Zhang, Rui Lan</td>
<td>108, P362  Zhang, Yang P216</td>
</tr>
<tr>
<td>Zhang, Lucille</td>
<td>P362  Zhang, Y M P28, P31</td>
</tr>
<tr>
<td>Zhang, Yang Quan</td>
<td>P240  Zhang, Zheng Gang 30, 108, 179</td>
</tr>
<tr>
<td>Zhang, Xing Q</td>
<td>P28, P31  Yoon, Byung-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zhang, Ze</td>
<td>51  Yoon, Byung-Woo 46, P254, P34</td>
</tr>
<tr>
<td>Zhao, Limin</td>
<td>117, P216  Yoon, Cindy W P80, P194</td>
</tr>
<tr>
<td>Zhao, Xixi</td>
<td>P110  Yoon, Sung Sang P51</td>
</tr>
<tr>
<td>Zhao, Xiurong</td>
<td>CT P29  Yoon, Kyung-Sik P51</td>
</tr>
<tr>
<td>Zhao, Xingquan</td>
<td>P220  Yoon, Sung Sang P51</td>
</tr>
<tr>
<td>Zhao, Xing Quan</td>
<td>P240  Yoshimura, Akihiko 181</td>
</tr>
<tr>
<td>Zhao, Xin</td>
<td>190  Yoon, Kyung-Sik P51</td>
</tr>
<tr>
<td>Zhao, Yiqian</td>
<td>P39  Yu, Sung-Wook P68</td>
</tr>
<tr>
<td>Zhu, Lin</td>
<td>35  Yu, ZhanYang P370</td>
</tr>
<tr>
<td>Zhu, Yicheng</td>
<td>CT P45  Yu, Sung-Wook P68</td>
</tr>
<tr>
<td>Zhu, Ziyin</td>
<td>107  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zho, Ping</td>
<td>107  Yu, Sung-Wook P68</td>
</tr>
<tr>
<td>Zhou, Li-Xin</td>
<td>P232, P235  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zhou, Yong</td>
<td>P220, P240, P31  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zhu, Lin L</td>
<td>122, 123  Yu, Sung-Wook P68</td>
</tr>
<tr>
<td>Zhu, Yicheng</td>
<td>CT P45  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zhu, Yiqian</td>
<td>P39  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zierath, Dannielle</td>
<td>103, 104  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zieren, Nikola</td>
<td>P271  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zimmermann, Lara</td>
<td>P241  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zink, Walter E</td>
<td>P423  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zipfel, Gregory</td>
<td>CT P34, P30,</td>
</tr>
<tr>
<td>Zou, Xin Ying</td>
<td>P240  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zuccarello, Mario</td>
<td>P88  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
<tr>
<td>Zurrú, María C</td>
<td>52, P433  Yu, Chang-Ho CT P38, P34, P46, P514, P546, P69</td>
</tr>
</tbody>
</table>