Preliminary Program

2020

A New Era for Stroke Science and Brain Health

strokeconference.org
Program Committee

- Michelle Camicia, PhD(c), MSN, CRRN, CCN, FAHA, Chair
- Wendy Dusenberg, PhD, DNP, APRN, FNP-BC, AGACNP-BC, ANVP-BC, Vice Chair
- Dawn Aycock, PhD, RN, ANP-BC, Immediate Past Chair
- Trudy Gaillard, PhD, RN, CDE
- Norma D McChais, PhD, RN, ACNS-BC, FAHA
- Sue Steinbacher, FNP-BC, CHFN, ISC Program Committee Liaison

Key Dates

- **Oct. 9**: FAHA/VIP Registration and Housing opens*
- **Oct. 16**: Member Registration and Housing opens*
- **Oct. 23**: Nonmember Registration and Housing opens*
- **Dec. 31**: Deadline for Early Registration Rates*
- **Jan. 1**: Advance Registration Rates Apply*
- **Jan. 28**: Deadline for Advance Registration*
- **Jan. 29**: Standard Registration Rates apply/Housing remains open based on availability*

*Registration savings depend on registration level and membership tier. **Go to strokeconference.org/submitscience

State-of-the-Science Stroke Nursing Symposium

**Tuesday, February 18**

The American Heart Association/American Stroke Association is grateful to the members of the State-of-the-Science Stroke Nursing Symposium 2020 Program Committee for their dedication and leadership provided throughout the year in planning the program.

For Registration information, please go to strokeconference.org/registration. Please note that there is a separate registration fee to attend the Stroke Nursing Symposium.

**Symposium Description**

The State-of-the-Science Stroke Nursing Symposium is a can’t miss forum designed to provide cutting-edge information for nursing, rehabilitation and other healthcare professionals who treat patients and families in all phases of stroke care from prevention to treatment in the emergency department through rehabilitation. The symposium will update and inform the audience about nursing issues along the continuum of stroke care (primary and secondary prevention, 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. An exciting plenary program and stimulating break-out sessions are planned to meet educational needs for nurses, rehabilitation and healthcare professionals at various skill levels.

**Learning Objectives**

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

- Discuss the challenges and opportunities for learning from global stroke research including:
  - global challenge research in India
  - interventions for low resource settings
  - developing nurses globally
- Describe care from start to finish including stroke patient education
- Communicate the evolution of the guidelines including the history, the evolution, and how to move forward
- Evaluate various strategies for the stroke research professional including the stroke nurse practitioner, the stroke research coordinator, the stroke clinical trial manager, and the stroke clinical research nurse
- Demonstrate nursing care of the endovascular patient including pre-procedural care, care in the endovascular suite, and post-procedure care
- Illustrate the extended stroke code
- Recognize antiplatelets in stroke treatment and prevention in the post-POINT landscape including:
  - an overview of and evidence for antiplatelets in stroke
  - the impact of POINT on stroke care
- Document how to develop seamless transitions of stroke care using a stroke central and stroke mobile model including:
  - improving transitions of care in stroke
  - the nurse’s role in both central and mobile
  - the role of the lay health educator
- Devise lifestyle interventions for depression due to stroke
- Determine how to engage stroke survivors and their care givers for successful living in the community post-discharge including:
  - uninterrupted stroke discharge education
  - the impact of 90-day post-stroke depression screenings
  - implementing tailored interventions to improve stroke caregiver readiness
  - decreasing stroke readmissions via post-discharge care coordination

Los Angeles, California

Discover Los Angeles. Beaches, mountains, ocean and desert to play in. An incredibly diverse mix of cultures and neighborhoods to discover. Exotic ethnic restaurants, uniquely California cuisine and world-class dining to savor. Shopping, museums, sports, live music and more. Wrap it all up with a sunny climate and lifestyle that is desired the world over.

What you’ve got is a wealth of experiences that few other destinations in the world can match. The Sports & Entertainment Capital of the World – Los Angeles!

Register Today – strokeconference.org/registration

For up-to-the-minute program info, see the online ISC 2020 Program Planner at strokeconference.org.
Nursing Symposium Program

Tuesday, Feb 18

8:00 am – 5:00 pm
8:00 am – 11:30 am
Main Event

Moderators:
Michelle Camicia, PhD(c), MSN, CRRN, CCM, FAHA, Vallejo, CA
Wendy Dusenbury, PhD, DNP, APRN, FNP-BC, AGACNP-BC, ANVP-BC, Garden Plain, KS

Welcome and Opening Remarks from the Stroke Nursing Symposium Program Chair

Council Welcome and Remarks from the CVSN Council Chair

Stroke Article of the Year Recipient – Article Highlights

Learning from Global Stroke Research: Challenges and Opportunities
Global Challenge Research in India
Interventions for Low Resource Settings
Developing Nurses Globally

9:50 am – 10:10 am
Break

11:30 am – 1:00 pm
Lunch
1:00 pm – 5:00 pm

Concurrent A
Professional Development: Education, Inspiration and Illumination

ASA and AANN Joint Session:
Risk Factors and General Overview of Pediatric Stroke
The Importance of Sleep for Your Brain
Evolution of the Guidelines: We’ve Come a Long Way, Baby
History of the Guidelines
Evolution of the Guidelines
Moving Forward with the Guidelines

2:45 pm – 3:00 pm
Break

Strategies for the Stroke Research Professional
Strategies for Stroke Research Coordinator
Strategies for Stroke Clinical Research Nurse
Strategies for Stroke Nurse Practitioner
Strategies for Stroke Clinical Trial Manager

Oral Abstracts

1:00 pm – 5:00 pm

Concurrent B
Acute Care: Advances in Clinical Research, Practice and Quality Improvement

Nursing Care of the Endovascular Patient
The Red Carpet: Pre-Procedure Care
The Show: Care in the Endovascular Suite
The After Party: Post-Procedure Care

The Extended Stroke Code

2:45 pm – 3:00 pm
Break

Antiplatelets in Stroke Treatment and Prevention in the Post-POINT Landscape
Overview of Antiplatelets in Stroke
Evidence for Antiplatelets in Stroke
Impact of POINT on Stroke Care

Oral Abstracts

Wednesday and Thursday, Feb 19 - 20, 10:00 am – 4:00 pm

Science and Technology Hall (Exhibits)
For additional information on the Science and Technology Hall, please go to strokeconference.org/exhibits.
ISC Pre-Conference Symposium I: Stroke in the Real World: A Star is Born: Thrombolysis & Thrombectomy

Tuesday, Feb 18

This Pre-Conference Symposium of the International Stroke Conference is designed to provide cutting edge information for healthcare professionals caring for patients with acute ischemic stroke. Acute stroke care is a rapidly evolving field with much exciting new evidence. This one-day symposium will highlight scientific advances in acute stroke management while emphasizing their application in the real world. The speakers are leaders in their fields who will inform the audience about the history, present, and future of acute stroke thrombolysis, thrombectomy, and triage in a format accessible for all levels. There will be ample opportunities for question and answer as well as cases with audience response. Get your questions answered and test your knowledge. Participate in this program to have a comprehensive review of the thrombolysis and thrombectomy literature from world class leaders in the field and gain insights as to what is on the Horizon for acute stroke treatment – you will not be disappointed.

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

• Discuss thrombus composition and implications for lysis
• Describe the evolution of the indications and contraindications for IV tPA
• Define the benefits of IV tPA in lacunar stroke, LVO, pAF, and minor or resolving stroke
• Illustrate extending the window for thrombolysis and new agents
• Manage the common complications of thrombolysis
• Demonstrate how to read a CTA
• Explain how to read and troubleshooting CT perfusion
• Determine if you would thrombolise
• Explain the history of thrombectomy
• Discuss the future of endovascular reperfusion
• Argue if you would retrieve
• Describe the history and future of telestroke
• Compare the pros and cons of mobile stroke units
• Calculate whether to “drip and ship” or use direct center routing

ISC Pre-Conference Symposium II: Stroke in the Lab World: Novel Approaches in Studying Brain Metabolism and Function

Tuesday, Feb 18

This joint pre-conference by the International Stroke Conference and International Society of Cerebral Blood Flow and Metabolism aims to share recent advances in basic and pre-clinical studies in brain metabolism and function. The topics will include molecular and cellular mechanisms that underlie the resolution of inflammation and their roles in stroke injury/repair. We will also address the role of epigenetics in regulating stroke pathology and the mapping of metabolic and neurovascular functions by optical imaging. The pre-conference will provide an integrated view of brain diseases, with a special focus on studies utilizing advanced imaging techniques to explore pathophysiology.

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

• Discuss lipid metabolism and function in inflammation resolution including:
  - pro-resolving lipid mediators in the resolution of inflammation
  - dysregulation of resolution pathway in vascular diseases
  - lipid mediators in health and disease
• Explain epigenetics in stroke pathophysiology and recovery including:
  - epitranscriptomic alterations of mRNAs in ischemic brain damage
  - regulation of inflammation in stroke by epigenetics
  - epigenetic regulation of white matter preconditioning
• Describe neurometabolic and neurovascular coupling across spatiotemporal scales including:
  - optical imaging strategies for activity of individual neurons

For up-to-the-minute program information and speakers, please see the online ISC 2020 Program Planner at strokeconference.org.
ISC Pre-Conference Symposium II: Stroke in the Lab World: Novel Approaches in Studying Brain Metabolism and Function

Program Committee

› Sunghee Cho, PhD, Co-Chair
› Fahmeed Hyder, PhD, Co-Chair
› Craig Brown, PhD
› Bojana Stefanovic, PhD
› Dandan Sun, MD, PhD
› Raghu Vemuganti, PhD
› Miguel A Perez-Pinzon, PhD, FAHA (ISC Program Committee, Chair)
› Louise McCullough, MD, PhD, FAHA (ISC Program Committee, Vice Chair)

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.

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.

For full CME/CE accreditation information on the ISC Pre-Conference Symposium II, please visit strokeconference.org.

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

ISC Pre-Conference Symposium III: The Health Equity & Actionable Disparities in Stroke: Understanding & Problem-solving (HEADS-UP)

Tuesday, Feb 18

This symposium is a multidisciplinary scientific forum focused on race-ethnic disparities in cerebrovascular disease, with the overarching goal of reducing disparities in stroke and accelerating translation of research findings to improve outcomes for race-ethnic minorities who reside in the US. HEADS-UP is a collaborative initiative with the American Stroke Association (ASA), a national organization “dedicated to advancing the science of stroke prevention, treatment and recovery through research and education” and the National Institutes for Neurological Disorders and Stroke (NINDS). HEADS-UP 2020 will focus on the various determinants of racial stroke disparities. Twenty early career scholars will receive travel stipends to attend the symposium and present their disparities research work at a dedicated poster session as well as participate in career development sessions. A plenary lecture in honor of the late Edgar Kenton MD will be given by an outstanding researcher selected by the HEADS-UP Program Committee, with a solid track record of studying or addressing stroke disparities.

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

• Cite approaches to studying determinants of race-ethnic disparities in stroke
• Explain genetic and biological determinants of race-ethnic disparities in stroke
• Document social determinants of race-ethnic disparities in stroke
• Describe environmental determinants of race-ethnic disparities in stroke
• Identify behavioral determinants of race-ethnic disparities in stroke
• Discuss systems and provider determinants (including unconscious bias) of disparities
• Illustrate interactive determinants of race-ethnic disparities in stroke

The American Heart Association/American Stroke Association is grateful to the members of the ISC Pre-Conference Symposium III 2020 Program Committee for their dedication and leadership provided throughout the year in planning the program.

Program Committee

› Bruce Ovbiagele, MD, PhD, FAHA, Chair
› Amylis Towfighi, MD, Vice Chair
› Richard T Benson, MD, PhD
› Gbenga Ogedegbe, MD
› Heather Fullerton, MD, MAS
› Carolyn Jenkins, DPH
› Mitchell Elkind, MD, MS
› Devin Brown, MD
› Pamela Duncan, PhD, PT
› Louise McCullough, MD, PhD, FAHA
› Deborah Levine, MD
› Brian Hoh, MD
› Dawn Kleindorfer, MD, FAHA
› George Howard, DPH
› Virginia Howard, PhD
› Bernadette Boden-Albala, PhD
› Souvik Sen, MD
› Salvador Cruz-Flores, MD
› Olajide Williams, MD, MS

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

Tuesday, Feb 18

8:30 am – 5:40 pm

8:30 Welcome and Pre-Test

For up-to-the-minute program info, see the online ISC 2020 Program Planner at strokeconference.org.
ISC Program Information

The American Heart Association/American Stroke Association is grateful to the members of the International Stroke Conference 2020 Program Committee for their dedication and leadership provided throughout the year in planning the program.

Program Committee
› Miguel A Perez-Pinzon, PhD, FAHA, Chair
› Louise McCullough, MD, PhD, FAHA Vice Chair
› Opeolu Adeoye, MD
› Sepideh Amin-Hanjani, MD, FAHA
› Issam Awad, MD
› Michelle Camiña, MSN, RN
› Sunghee Cho, PhD
› Helena Chui, MD, FAHA
› Nada El Husseini, MD
› Heather Fullerton, MD, MAS
› Rebecca F Gottsman, MD, PhD
› Jose Gutierrez Contreras, MD, MPH
› Graeme Hankey, MBBS, MD
› Argye E Hills, MD
› Judy Huang, MD
› Tudor G Jovin, MD, PhD
› Jong S Kim, MD, PhD
› Louis S Kim, MD
› Bijoy K Menon, MBBS, MD
› Jay Mocco, MD, MS
› Sandra Narayanan MD, FAHA
› Mai N Nguyen-Huyhn, MD, MAS
› Christa O’Hana Nobleza, MD
› Bruce Ovbiagele, MD, MSc, FAHA, Past Chair
› Peter Panagos, MD, FAHA
› Lauren Sansing, MD, MS, FAHA
› Sunil Sethi, MD
› Andrew M Sotherland, MD
› Sue Steinbacher, FNP-BC, CHFN
› Dandan Sun, MD, PhD
› Gene Yong Sung, MD
› Amanda Thrift, PhD, PGDipBiostat
› Achala Vagal, MD
› Raghu Vemuganti, PhD
› Charles Wira, MD
› Steven Zeiler, MD, PhD

Program Description
The International Stroke Conference is the world’s premier meeting dedicated to the science and treatment of cerebrovascular disease and brain health. From forming multiple, life-long collaborations with the best minds in the profession to hearing the very latest big trials results to the exceptional education and science, if you are involved in the stroke medical profession, ISC is essential to your career. This 2½-day conference features more than 1,700 compelling presentations that emphasize basic, clinical and translational sciences as they evolve toward a better understanding of stroke pathophysiology with the goal of developing more effective therapies. Clinical Sessions focus on community risk factors; emergency care; acute neuroimaging; acute endovascular and acute nonendovascular treatment; diagnosis of stroke etiology; cerebral large artery disease; in-hospital treatment; clinical rehabilitation and recovery; and health services, quality improvement, and patient-centered outcomes. Basic Science Sessions focus on vascular biology in health and disease; basic and preclinical neuroscience of stroke recovery; and experimental mechanisms and models. Further specialized topics include pediatric stroke; intracerebral hemorrhage; nursing; preventive strategies; vascular cognitive impairment; aneurysms; subarachnoid hemorrhage; neurocritical care; vascular malformations; and ongoing clinical trials. Presentations on these topics attract a wide range of healthcare professionals and investigators including adult and pediatric neurologists; neurosurgeons; neuroradiologists and interventional radiologists; physiatrists; emergency medicine specialists; primary care physicians; hospitalists; nurses and nurse practitioners; rehabilitation specialists; physical, occupational, and speech therapists; pharmacists; and basic researchers spanning the fields of cerebrovascular function and disease.

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

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

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.

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

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

For full CME/CE accreditation information on the International Stroke Conference, please visit strokeconference.org.

ISC Preliminary Program

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.

Wednesday, Feb 19
7:00 am – 8:30 am
Antiplatelets Made in Japan: Really Effective for Stroke? ( Debate) (an ASA and Japan Stroke Society Joint Symposium)
PRASTRO-I for Prasugrel (Pro)
Prasugrel Effective? (Con)
CSPS.com for Cilostazol (Pro)
Cilostazol Effective? (Con)
Assessment of Caregiver Preparedness Across the Continuum: Implementation, Practice, and Outcomes
(Nursing)
Global Collaborations in CG Assessment
Caregiver Assessment in Europe
Caregiver Assessments in US
Economic Burden of Caregiving
Symptomatic Intracranial Stenosis: Stroke Mechanisms and Therapeutic Implications (Cerebral Large Artery Disease)
Natural History/Medical Treatment
Persistent Stroke Recurrence in the Post-SAMPRISS Era
Risk Stratification Beyond Stenosis: Imaging, Perfusion and Prognosis
Vertebrobasilar Stenosis: Endovascular Therapy and Stenting?
The Evolving Landscape of Pre-hospital Stroke Care: Evidence, Quality, and Implementation in the Endovascular Era (Emergency Care Systems)
ELVO Scale Implementation: How’s It Going?
System Benchmarking for Pre-hospital Care in the Endovascular Era
Pre-hospital Telemedicine: From Feasibility Trials to Implementation
Mobile Stroke Units: From Pilot Trials to Implementation
Neuro-Interventional Track: Optimizing EVT
Oral Abstract Sessions
8:30 am – 8:45 am
Short Break

8:45 am – 10:15 am
Advanced Neurocritical Care Management of Subarachnoid Hemorrhage and Delayed Cerebral Ischemia
(SAH and Other Neurocritical Management)
Improving Outcomes in Poor Grade SAH
Current Update in the Management of Delayed Cerebral Ischemia
The NINDS/NCS Subarachnoid Hemorrhage Common Data Elements Project
Evolution of Hemodynamic and Fluid Management of SAH: A State of the Art

Developing International Partnerships to Foster Stroke Research, Education/Training, and Care Delivery in Africa (an ASA and African Academy of Neurology Joint Symposium)
(Community/Risk Factors)
Genetics of Stroke in African Ancestry
Acute Stroke Systems of Care: Telehealth
Stroke Phenomics in African Ancestry
Post-stroke Care: Secondary Prevention
Paola De Rango Memorial Session on Stroke in Women: Sex Differences in Stroke: A Journey from Recognition to Intervention to Recovery (a Go Red for Women Session)
(Diagnosis of Stroke Etiology)
SABV in Stroke Research Design
Acute Stroke Recognition in the ED
Sex and Post-stroke Cognition
Interventions to Improve Rehab in Women
Use of Big Data to Improve Risk Factors, Care and Outcomes
(Community/Risk Factors)
Monitoring Adherence to Medication
Registry Data with Ambulance Run Data
Registry Data with Care Claims
The CANHEART Stroke Study
Neuro-Interventional Track: Optimizing EVT
Oral Abstract Sessions

10:15 am – 10:30 am
Short Break/Science and Technology Hall

10:30 am – 12 Noon
Opening Main Event
Welcome and Introduction of the AHA/ASA President
Nancy Brown
AHA Presidential Address
Robert A Harrington
25th Anniversary of the IPA Trial Results
John Marler and Patrick Lyden
### ISC Preliminary Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 pm – 4:00 pm</td>
<td>CED Talks (Cerebrovascular Education and Discovery)</td>
</tr>
<tr>
<td>Patricia Hurn</td>
<td></td>
</tr>
<tr>
<td>Dawn Kleindorfer</td>
<td></td>
</tr>
<tr>
<td>Jeffrey L Saver</td>
<td></td>
</tr>
<tr>
<td>Platelet Exosomes in Stroke Treatment and Prevention (Experimental Mechanisms and Models)</td>
<td></td>
</tr>
<tr>
<td>5:30 pm – 6:30 pm</td>
<td>Moderated Presentation and Q&amp;A with Poster Presenters Professor-Led Poster Tours by Category:</td>
</tr>
<tr>
<td>6:30 pm – 7:00 pm</td>
<td>Poster Session with Poster Presenters Please note that sessions and speakers are subject to change. For up-to-the-minute program information and speakers, please see the online ISC 2020 Program Planner at strokeconference.org.</td>
</tr>
</tbody>
</table>

**Thursday, Feb 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am – 8:30 am</td>
<td>ECMO and the Brain: What Can, Does, or Might Happen to Your Patient's Brain (Vascular Malformations) Neurological Complications of ECMO Pediatric Neurological Complications Neuronontercoting Is Available but Help How to Declare Brain Death while on EC Is Less More? Controversies in Imaging Endovascular Treatment Candidates (Acute Neuroimaging) Early Time, Late Time, Large Core, Small Core: Non-con CT Is All You Need</td>
</tr>
</tbody>
</table>
ISC Preliminary Program

The Stroke Preclinical Assessment Network (SPAN)
The Promise of Treatments Under Testing: The SPANNERS
RHO Kinase Inhibitor
Ischemic Pre-conditioning
PARP Inhibitor
Anti-IL6
Uric Acid
Immunomodulation

Expanding Indications for Thrombectomy (Debate) (Acute Endovascular Treatment)
Large Vessel Occlusion with Mild Symptoms Should Be Treated
Large Vessel Occlusion with Mild Symptoms Should Not Be Treated
EVT for Tandem Occlusions Is Not Evidence-based and the Risk Is too High
EVT for Tandem Occlusions Should Be Performed
Large Vessel Occlusion in Large Core Stroke Should Be Treated
Large Vessel Occlusion in Large Core Stroke Should Not Be Treated

Time Is Brain Is Dead: Only Dead Brain Is Dead (Debate) (Acute Nonendovascular Treatment)
EXTEND and Pooled Data for Thrombolysis in the Extended Time Window
Perfusion Imaging Should Replace Time to Guide Reperfusion Therapy: PRO
Perfusion Imaging Should Replace Time to Guide Reperfusion Therapy: CON
Perfusion Imaging Should Replace Time to Guide Reperfusion Therapy: PRO (Rebuttal)
Perfusion Imaging Should Replace Time to Guide Reperfusion Therapy: CON (Rebuttal)

Brain Health Track: What Can Genes Tell Us About Brain Health?
Klotho, Key to Healthy Brain Aging
DNA Methylation Age, Epigenetic Clocks and Brain Aging
Genetic Determinants of Cortical Structures in Human Populations
Polygenic Risk Score and AD Risk Prediction

Oral Abstract Sessions

10:15 am – 10:30 am
Short Break/Science and Technology Hall

10:30 am – 12 Noon
Thursday Main Event
Thomas Willis Lecture Award Presentation
ISC Outstanding Stroke Research Mentor Award
Late-Breaking Science Oral Abstracts

ISC Preliminary Program

12 Noon – 1:30 pm
Science and Technology Hall
Nursing and Rehabilitation Professionals Luncheon (ticket required; seating is limited)
Basic Science Networking Luncheon (ticket required; seating is limited)

1:30 pm – 2:30 pm
Contemporary Management of Unruptured Intracranial Aneurysms: What to Counsel Patients (Aneurysm)
Introduction: Translational Talk
Lifestyle Recommendations
Aneurysm Morphology and Risk of Rupture
Aneurysm Wall Imaging
Risk of Treatment Complications: Who to Treat

Reducing the Global Burden of Stroke in Resource Limited Settings: Mitigating the Barriers, Amplifying the Facilitators (an ASA and World Health Organization Joint Symposium)
(Health Services, Quality Improvement, and Patient-Centered Outcomes)

Improving Epidemiological Surveillance, Monitoring and Evaluation of the Global Burden of Stroke
Reducing Stroke Incidence Through Primary and Secondary Prevention
Improving Access to Hyper-acute and Acute Stroke Care in Resource-limited Settings
Promoting Rehabilitation and Re-integration of Stroke Survivors

Widening the Lens of Telestroke: From the ED Across the Stroke Continuum (Emergency Care Systems)
Expansion of Telestroke Networks
Tele-ICU
Tele-rehabilitation
Outpatient Telestroke Follow-up

Brain Health Track: Adaptive Myelination: The Linchpin in Brain Health
Myelin Plasticity and Brain Health: Connecting the Dots
Wrapped to Adapt: Experience-dependent Myelination
A Sequential Mechanism for Smart Wiring in the Brain
Exercise and Brain Health
Town Hall Forum: Topic TBD
Late-Breaking Science Oral Abstract Session
Oral Abstract Sessions

2:30 pm – 3:00 pm
Break/Science and Technology Hall

3:00 pm – 4:00 pm
Ask Me Anything about Telemedicine: Panel Discussion (an ASA and American Academy of Neurology Joint Symposium) (Emergency Care Systems)
Panelist on Academic Telestroke Network: Hub and Spoke Model
Panelist on Distributed Telestroke Network: Distributed Model
Practice Administrator Utilizing Telestroke

Dilemmas in Cerebral Aneurysm Management: What to Do with Pregnancy, Thrombolytics, Carotid Revascularization, and Serial Follow-up (Aneurysm)
Aneurysms in Pregnancy
Are Antithrombotics/Thrombolysis Safe? Is CEA/CAS Safe with Co-existent Aneurysm?
Serial Imaging: What and When

Winter Is Coming: Palliative Care and End-of-life Issues in Stroke (Health Services, Quality Improvement, and Patient-Centered Outcomes)
Patient/Caregiver Perspective and Needs Provider Uncertainty and Decision-making
Racial Differences in Palliative Care Futility, Ethical Issues, and Healthcare Systems’ Cost

Brain Health Track: Exploring Knowledge Gaps in Sub-clinical Cerebrovascular Disease Imaging Biomarkers
Reality Testing Imaging Assumptions in Sub-clinical Cerebrovascular Disease: Setting the Stage for Improved Biomarkers
Magnetic Resonance Imaging Pathological Correlations: Understanding the Specificity of Cerebrovascular Lesions
Overcoming Challenges of Imaging White Matter Lesions on Post-mortem MRI: the NINDS Experience
Cortical Microinfarcts Seen on MRI: Effects of Field Strength and Correlations with Pathology Mechanisms Underlying Microbleeds and Superficial Siderosis on MRI, with Lessons from Pathology

Late-Breaking Science Oral Abstract Session
Oral Abstract Sessions

4:00 pm – 4:15 pm
Short Break

4:15 pm – 5:15 pm
Game of Strokes

Register Today – strokeconference.org/registration

For up-to-the-minute program info, see the online ISC 2020 Program Planner at strokeconference.org.
For up-to-the-minute program info, see the online ISC 2020 Program Planner at strokeconference.org.
Registration and Housing

Registration and Housing for ISC, the Stroke Nursing Symposium, and all ISC Pre-Conference Symposia opened as follows:
- FAHA Members
  - Oct 9
- AHA/ASA Members
  - Oct 16
- Nonmembers
  - Oct 23

Join AHA/ASA Professional Membership Today and Save on Registration!
- Stroke Professionals, save up to $900 on ISC registration.
- Nurses, save up to $300 on the Stroke Nursing Symposium registration and up to $685 on ISC registration.

Registration savings: dependent on registration level and membership level.

Join online today at professional.heart.org/membership

HOW TO REGISTER

Web: Register online and book your hotel at strokeconference.org/housing.
Phone, Fax or Mail: For registration instructions and downloadable forms, go to strokeconference.org/registration. A one-time $20 service charge will be assessed if you choose one of these options.

Poster Sessions with Poster Presenters: One-on-one Times with the Poster Presenters

Sessions are different from the posters presented in the Professor-Led Poster Tours above. Poster Session participants can view the poster displays and interact with the authors.

Registration and Housing

Registration and Housing for ISC, the Stroke Nursing Symposium, and all ISC Pre-Conference Symposia opened as follows:
- FAHA Members
  - Oct 9
- AHA/ASA Members
  - Oct 16
- Nonmembers
  - Oct 23

Join AHA/ASA Professional Membership Today and Save on Registration!
- Stroke Professionals, save up to $900 on ISC registration.
- Nurses, save up to $300 on the Stroke Nursing Symposium registration and up to $685 on ISC registration.

Registration savings: dependent on registration level and membership level.

Join online today at professional.heart.org/membership

HOW TO REGISTER

Web: Register online and book your hotel at strokeconference.org/housing.
Phone, Fax or Mail: For registration instructions and downloadable forms, go to strokeconference.org/registration. A one-time $20 service charge will be assessed if you choose one of these options.

Poster Sessions

Poster Sessions are a great way to interact with the authors of the posters.

To provide additional hours for poster viewing, the Poster Hall will be open during the following hours:
- Wednesday, Feb 19: 6:30 pm – 7:00 pm
- Thursday, Feb 20: 6:30 pm – 7:00 pm

For up-to-the-minute program information about posters and poster presenters, please see the online ISC 2020 Program Planner at strokeconference.org.
Registration and Housing

### Registration Fees: International Stroke Conference 2020

<table>
<thead>
<tr>
<th>Membership/Registration Categories</th>
<th>Early Rate Until Dec 31</th>
<th>Advance Rate Jan 1–Jan 28</th>
<th>Standard Rate Jan 29–Feb 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Emeritus Member</td>
<td>$75</td>
<td>$175</td>
<td>$275</td>
</tr>
<tr>
<td>Premium Professional Plus Member</td>
<td>$400</td>
<td>$500</td>
<td>$600</td>
</tr>
<tr>
<td>Premium Professional Member</td>
<td>$500</td>
<td>$600</td>
<td>$700</td>
</tr>
<tr>
<td>General Professional Member</td>
<td>$900</td>
<td>$1,000</td>
<td>$1,200</td>
</tr>
<tr>
<td>Professional Associate Member</td>
<td>$900</td>
<td>$1,000</td>
<td>$1,200</td>
</tr>
<tr>
<td>Student Trainee Member</td>
<td>$200</td>
<td>$300</td>
<td>$400</td>
</tr>
<tr>
<td>Early Career Member(^1)</td>
<td>$300</td>
<td>$400</td>
<td>$500</td>
</tr>
<tr>
<td>Nurse/Allied Health/Other Premium Professional Plus Member(^2)</td>
<td>$250</td>
<td>$350</td>
<td>$450</td>
</tr>
<tr>
<td>Nurse/Allied Health/Other Premium Professional Member(^2) &amp; (^3)</td>
<td>$350</td>
<td>$450</td>
<td>$550</td>
</tr>
<tr>
<td>Nurse/Allied Health/Other General Professional Member(^2)</td>
<td>$400</td>
<td>$500</td>
<td>$600</td>
</tr>
<tr>
<td>One Day Only Wednesday or Thursday Member</td>
<td>$275</td>
<td>$375</td>
<td>$475</td>
</tr>
<tr>
<td>One Day Only Friday Member</td>
<td>$200</td>
<td>$300</td>
<td>$400</td>
</tr>
<tr>
<td>Nonmember*</td>
<td>$1,060</td>
<td>$1,160</td>
<td>$1,360</td>
</tr>
<tr>
<td>Early Career Nonmember**</td>
<td>$900</td>
<td>$1,000</td>
<td>$1,100</td>
</tr>
<tr>
<td>Nurse/Allied Health/Other Nonmember***(^4)</td>
<td>$735</td>
<td>$835</td>
<td>$935</td>
</tr>
<tr>
<td>Student/Trainee Nonmember***(^4)</td>
<td>$400</td>
<td>$500</td>
<td>$600</td>
</tr>
<tr>
<td>One Day Only Wednesday/Thursday Nonmember</td>
<td>$375</td>
<td>$475</td>
<td>$575</td>
</tr>
<tr>
<td>One Day Only Friday Nonmember</td>
<td>$300</td>
<td>$400</td>
<td>$500</td>
</tr>
<tr>
<td>Spouse/Adult Family Member (Exhibits Only)</td>
<td>$100</td>
<td>$200</td>
<td>$300</td>
</tr>
</tbody>
</table>

### Registration Fees: State-of-the-Science Stroke Nursing Symposium 2020

<table>
<thead>
<tr>
<th>Membership/Registration Categories</th>
<th>Member</th>
<th>Professional Associate Member</th>
<th>Nonmember</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$150</td>
<td>$250</td>
<td>$250</td>
</tr>
<tr>
<td>Professional Associate Member</td>
<td>$250</td>
<td>$350</td>
<td>$450</td>
</tr>
<tr>
<td>Nonmember</td>
<td>$250</td>
<td>$350</td>
<td>$450</td>
</tr>
</tbody>
</table>

### Registration Fees: ISC Pre-Conference Symposium I: Stroke in the Real World

<table>
<thead>
<tr>
<th>Membership/Registration Categories</th>
<th>Member and Nonmember</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member and Nonmember</td>
<td>$125 / $150 / $250</td>
</tr>
</tbody>
</table>

### Registration Fees: ISC Pre-Conference Symposium II: Stroke in the Lab World

<table>
<thead>
<tr>
<th>Membership/Registration Categories</th>
<th>Member and Nonmember</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member and Nonmember</td>
<td>$50 / $50 / $50</td>
</tr>
</tbody>
</table>

### Registration Fees: ISC Pre-Conference Symposium III: Heads–Up

<table>
<thead>
<tr>
<th>Membership/Registration Categories</th>
<th>Member and Nonmember</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member and Nonmember</td>
<td>$50 / $50 / $50</td>
</tr>
</tbody>
</table>

\(^1\) Early Career Member: has received professional degree within the past five years
\(^2\) Nurse/Allied Health/Other: includes EMT, Paramedic, Technician, Therapist
\(^3\) Nonmember price: includes short term complimentary AHA General Professional Membership. ($130 value).
\(^4\) Early Career Nonmember price: includes short term complimentary AHA Early Career Membership. ($39 value).
\(^5\) Nurse/Allied Health/Other Nonmember price: includes short term AHA General Professional Membership. ($40 value).
\(^6\) Student/Trainee Nonmember price: includes complimentary short term AHA Student/Trainee Membership. ($39 value).

\(^1\) Early Career Member: has received professional degree within the past five years
\(^2\) Nurse/Allied Health/Other: includes EMT, Paramedic, Technician, Therapist
\(^3\) Nonmember price: includes short term complimentary AHA General Professional Membership. ($130 value).
\(^4\) Early Career Nonmember price: includes short term complimentary AHA Early Career Membership. ($39 value).
\(^5\) Nurse/Allied Health/Other Nonmember price: includes short term AHA General Professional Membership. ($40 value).
\(^6\) Student/Trainee Nonmember price: includes complimentary short term AHA Student/Trainee Membership. ($39 value).

Register Online Today! strokeconference.org/registration

The American Stroke Association is a relentless force for a world of longer, healthier lives with improved brain health, fewer strokes and reduced disability. Through the International Stroke Conference’s NEW! Brain Health Track, we hope to bring you the best science for the prevention and treatment of cerebrovascular disease and its impact on improving brain health!

NEW! Onsite child care available at ISC. See details at strokeconference.org.

Join ISC 2020 conversations on Twitter before, during and after the conference by following @AHAMeetings and using #ISC20!