



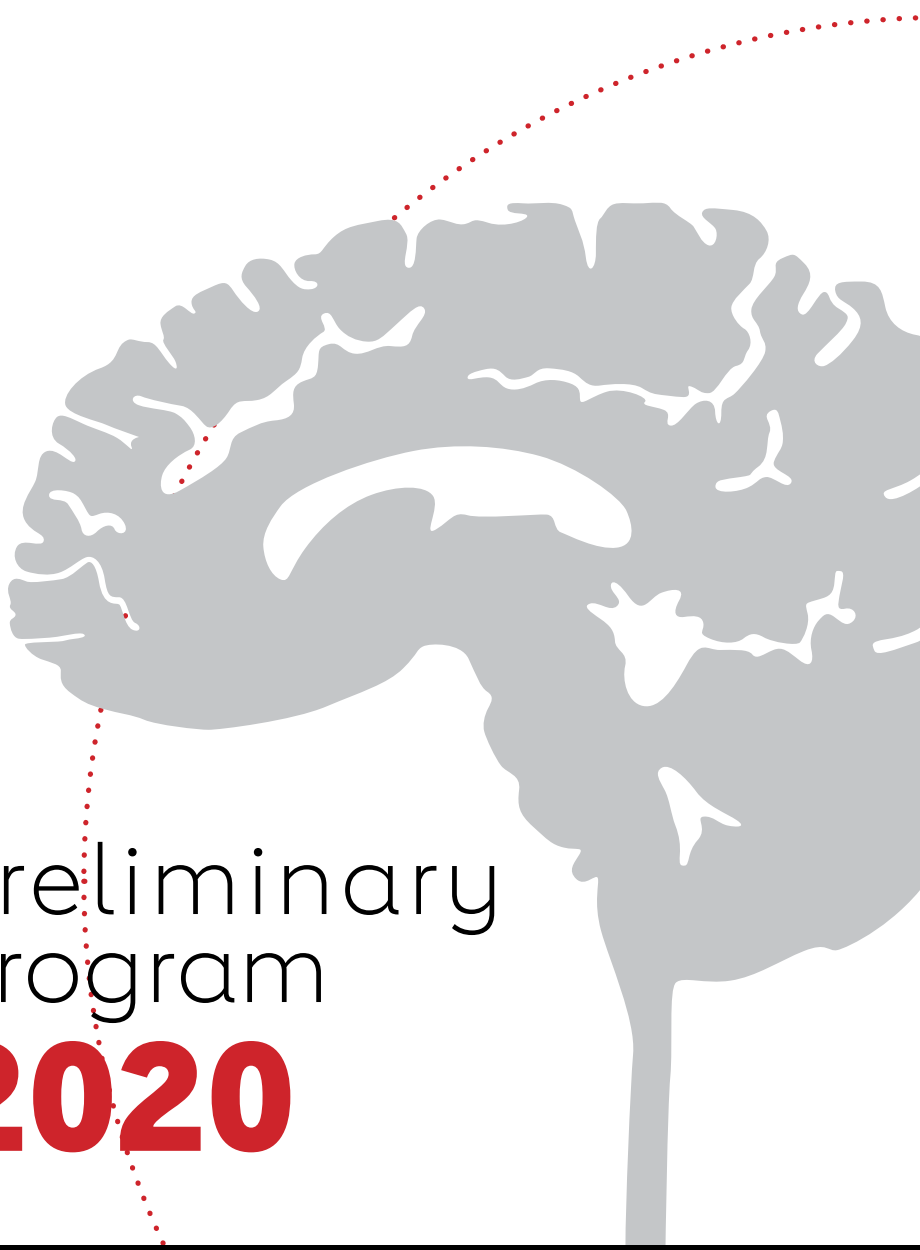
American Stroke Association®

International Stroke Conference

International Stroke Conference: Feb 19 - 21

ISC Pre-Conference Symposia: Feb 18

Los Angeles, California



Preliminary Program **2020**

A New Era for Stroke Science and Brain Health

strokeconference.org

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Meeting and Membership Information

Telephone: 888-242-2453 (inside the US)
214-570-5935 (outside the US)
Hours: M-F, 8:00 am - 5:00 pm CT
Email: strokeconference@heart.org
Web site: strokeconference.org

Registration

Telephone: 800-748-3583
508-743-8517 (International)
Hours: M-F, 8:00 am – 4:00 pm CT
Fax: 508-743-9610
Mail: Stroke Conference Registrations
c/o Convention Data Services
7 Technology Park Drive
Bourne, MA 02532
Email: internationalstroke@xpressreg.net

Housing

Toll-free: 855-992-3353
Fax: 312-329-9513
Mail: International Stroke Conference 2020
c/o onPeak LLC
575 5th Ave, 8th Floor
New York, NY 10017
Email: isc@onpeak.com

Membership Services

Telephone: 800-787-8984 (inside the US)
301-223-2307 (outside the US)
Fax: 301-223-2355
Email: ahacustomerservice@lww.com

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

Los Angeles, California

Discover Los Angeles. Beaches, mountains, ocean and desert to explore. Theme parks, nightclubs and parks 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

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



Program Committee

- Michelle Camicia, PhD(c), MSN, CRRN, CCM, FAHA, Chair
- Wendy Dusenbury, 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 McNair, PhD, RN, ACNS-BC, FAHA
- Sue Steinbacher, FNP-BC, CHFN, ISC Program Committee Liaison

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

Nursing Symposium Program

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 State-of-the-Science Stroke Nursing Symposium, please visit strokeconference.org/nursingsymposium.



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

Care From Start to Finish

Care From Start to Finish

Stroke Patient Education: Not Just a Book Filled with Words

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

Nursing Symposium Program

1:00 pm – 5:00 pm

Concurrent C

Developing Seamless Transitions of Stroke Care Using a Stroke Central and Stroke Mobile Model

Improving Transitions of Care in Stroke

Nurses Role: Central and Mobile

The Role of the Lay Health Educator

Lifestyle Interventions for Depression Due to Stroke

2:45 pm – 3:00 pm
Break

Engaging Stroke Survivors and Their Caregivers for Successful Living in the Community Post-discharge

Teaching with Authentic Presence: 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

Oral Abstracts

State-of-the-Science Stroke Nursing Symposium 2020 Faculty (as of 10/23/2019)

Michelle Camicia, PhD(c), MSN, CRRN, CCM, FAHA, Novato, CA

Patricia Commiskey, MA, Nashville, TN

Amber Criswell, BA, Pasadena, TX

Wendy Dusenbury, PhD, DNP, APRN, FNP-BC, AGACNP-BC, ANVP-BC, Garden Plain, KS

Kiersten Espaillat, ANP, Nashville, TN

Wende Fedder, DNP, Brookfield, WI

Elizabeth Fox, ANP, Santa Clara, CA

Hermelinda Gonzalez Rivero, BA, Napa, CA

Terri Kiernan, ANP, Lakewood, CO

Jason Lee, RN, Houston, TX

Barbara Lutz, RN, PhD, Hampstead, NC

Sandy Middleton, MN, Darlinghurst, Australia

Kari Moore, ARNP, Simpsonville, KY

Kathy Morrison, RN, MSN, Hershey, PA

Munachi Okpala, MBA, Houston, TX

Cynthia Sinogui, MSED, Sacramento, CA

Robert Szapor, RN, Somers Point, NJ

Jonathan Wiese, RN, MSN, Houston, TX

For up-to-the-minute program information and speakers, please see the online ISC 2020 Program Planner at strokeconference.org.



Science and Technology Hall (Exhibits)

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

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 thrombolys
 - 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

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

Program Committee

- › Ted Wein, MD, FRCPC, FAHA, Chair
- › Mollie McDermott, MD, Co-Chair
- › Nicole R Gonzales, MD
- › Patrick Lyden, MD
- › May Nour, MD
- › Nerses Sanossian, MD
- › Jeff Saver, MD
- › Shlee S Song, MD
- › Mellanie Springer, MD, MS
- › 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, please visit strokeconference.org.

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

Tuesday, Feb 18

8:00 am – 5:00 pm

8:00 am – 12 Noon

8:00 Welcome

8:05 am – 10:20 am

- Eternal Sunshine of the Clotless Mind: Thrombolysis
- Blockbuster: Thrombus Composition and Implications for Lysis
- Rear Window: Evolution of the Indications and Contraindications for IV tPA
- Alteplase Now: Benefits of IV tPA in Lacunar Stroke, LVO, pAF, and Minor or Resolving Stroke
- Q&A
- The Neverending Story: Extending the Window for Thrombolysis and New Agents
- There Will Be Blood: Managing the Common Complications of Thrombolysis
- Q&A

10:20 am – 11:25 am

- The Scan Who Knew Too Much: Stroke Imaging
- Manchester by the CT: How to Read a CTA
- The Matrix: Reading and Troubleshooting CT Perfusion
- Q&A

11:25 am – 12 Noon

- Do You Feel Lucky, Punk? Would You Thrombolys? Cases with Audience Response
- Q&A

ISC Pre-Conference Symposium I: Stroke in the Real World: A Star is Born: Thrombolysis & Thrombectomy

12:00 Noon – 1:00 pm Lunch

1:00 pm – 2:15 pm

- Catch Me if You Can: Thrombectomy
- A Wrinkle in Time: Thrombectomy: A History Lesson
- Toy Story 4: Future of Endovascular Reperfusion
- Q&A

2:15 pm – 3:00 pm

- Some Like It Caught: Would You Retrieve?
- Q&A

3:00 pm – 4:45 pm

- The Social Network: Pre-Hospital Screening, Telestroke, and MSUs
- Coming Soon to a Screen Near You: History and Future of Telestroke
- Fantastic Beasts: Mobile Stroke Units: Pros and Cons
- Good Will Shunting: Drip and Ship or Direct Center Routing

- Q&A
- 4:45 Closing Remarks
- ISC Pre-Conference Symposium I: Stroke in the Real World 2020 Faculty (as of 10/23/2019)
- Gregory W Albers, MD, FAHA, Stanford, CA
- Nichole E Bosson, MD, Santa Fe Spgs, CA
- James C Grotta, MD, Houston, TX
- Michael D Hill, MD, Calgary, AB Canada
- Pooja Khatri, MD, Cincinnati, OH
- Patrick D Lyden, MD, FAHA, Los Angeles, CA
- Louise D McCullough, MD, PhD, FAHA, Houston, TX
- Bijoy K Menon, MD, MBBS, Calgary, AB Canada
- Dawn M Meyer, PhD, San Diego, CA
- Miguel A Perez-Pinzon, PhD, FAHA, Miami, FL
- Shlee S Song, MD, Los Angeles, CA

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

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 pathology 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
 - two-photon imaging of BOLD fMRI physiology
 - quantitative BOLD at 3 tesla for fFlow-metabolism Coupling
- Document multi-modal imaging in CNS disorders including:
 - high-field MRS neurochemistry of brain disorders
 - tissue oxygen tension imaging at the microscopic scale
 - BBB disruption in neurodegeneration

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

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.



Tuesday, Feb 18 9:30 am – 5:25 pm

9:30 Welcome

9:40 am - 11:15 am

Lipid Metabolism and Function in Inflammation Resolution

Pro-resolving Lipid Mediators in the Resolution of Inflammation

Dysregulation of Resolution Pathway in Vascular Diseases

Lipid Mediators in Health and Diseases

Discussion

11:15 am – 11:30 am Break

11:30 am – 1:05 pm

Epigenetics in Stroke Pathology and Recovery

Epitranscriptomic Alterations of mRNAs in Ischemic Brain Damage

Regulation of Inflammation in Stroke by Epigenetics

Epigenetic Regulation of White Matter Preconditioning

Discussion

1:05 pm – 2:00 pm Lunch

2:00 pm – 3:35 pm

Neurometabolic and Neurovascular Coupling Across Spatiotemporal Scales

Optical Imaging Strategies for Activity of Individual Neurons

Two-photon Imaging of BOLD fMRI Physiology

Quantitative BOLD at 3 Tesla for Flow-metabolism Coupling

Discussion

3:35 pm – 3:50 pm Break

3:50 pm – 5:20 pm

Multi-modal Imaging in CNS Disorders

High-field MRS Neurochemistry of Brain Disorders

Tissue Oxygen Tension Imaging at the Microscopic Scale

BBB Disruption in Neurodegeneration

Discussion

5:20 Closing Remarks

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 2020 Faculty (as of 10/23/2019)

- › Katerina Akassoglou, PhD, San Francisco, CA
- › Thiruma Arumugam, PhD, Singapore
- › Craig Brown, PhD, Victoria, BC, Canada
- › Sunghee Cho, PhD, White Plains, NY
- › Anil Kiran Chokkalla, MS, Madison, WI
- › Fahmeed Hyder, PhD, New Haven, CT
- › Kazuto Masamoto, PhD, Tokyo, Japan
- › Nozomi Nishimura, PhD, Ithaca, NY
- › Bojana Stefanovic, PhD, Toronto, ON, Canada
- › Dandan Sun, MD, PhD, Pittsburgh, PA
- › Raghu Vemuganti, PhD, Madison, WI

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
- › Amytis 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

8:45 Approaches to Studying Determinants of Race-Ethnic Disparities in Stroke

9:15 Genetic and Biological Determinants of Race-Ethnic Disparities in Stroke

9:45 Approaches to Addressing Social Determinants of Race-Ethnic Disparities in Stroke

10:15 am - 10:30 am Break

10:30 Assessing and Addressing Environmental Determinants of Race-Ethnic Disparities in Stroke

11:00 am - 11:50 am Kenton Award Lecture

12 Noon - 1:00 pm Networking & Mentoring Lunch

1:00 pm - 2:00 pm HEADS-UP Poster Session

2:00 Interventions Aimed at Changing Behavioral Determinants of Race-Ethnic Disparities in Stroke

2:30 Systems and Provider-level Interventions to Reduce Disparities

3:00 pm - 4:45 pm Concurrent Sessions IA: Think Tank Concurrent Session IB: Building Momentum

4:45 pm – 5:00 pm Refreshments Break

5:00 Interactive Determinants of Race-Ethnic Disparities in Stroke

5:30 Closing Remarks, Post-Test, & Adjourn

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.

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 Camicia, MSN, RN

• Sunghee Cho, PhD

• Helena Chui, MD, FAHA

• Nada El Hussein, MD

• Heather Fullerton, MD, MAS

• Rebecca F Gottesman, MD, PhD

• Jose Gutierrez Contreras, MD, MPH
- Graeme Hankey, MBBS, MD

• Argye E Hillis, 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-Huynh, MD, MAS

• Christa O'Hana Nobleza, MD

• Bruce Ovbiagele, MD, MSc, FAHA, Past Chair

- Peter Panagos, MD, FAHA

• Lauren Sansing, MD, MS, FAHA

• Sunil Sheth, MD

• Andrew M Southerland, 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 trial 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

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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 – 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-SAMPRIS 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: Pre-hospital Large Vessel Occlusion Triage: Does One Size Fit All?

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 tPA Trial Results
John Marler and Patrick Lyden

ISC Preliminary Program

5th Anniversary of the Endovascular Trials’ Results
Tudor Jovin and Patrick Lyden

Celebration of the 50th Anniversary of the *Stroke Journal*:

Stroke: The First 40 Years - Vladimir Hachinski
Stroke Accomplishments and Innovations Over the Past 10 Years - Marc Fisher
The International Impact of *Stroke* - Stephen Davis
Stroke: A Vision for the Future - Ralph L Sacco

12 Noon – 1:30 pm

Science and Technology Hall

Fellow and Early Career Stroke Leader Roundtable Lunch
(ticket required; seating is limited)

Advance Practice Providers’ Lunch
(ticket required; seating is limited)

1:30 pm – 2:30 pm

Experimental Modeling of Stroke with “Real World” Vascular Risk Factors
(Basic and Preclinical Neuroscience of Stroke Recovery)

White Matter Stroke in Obese Mice
Modeling Mural Cell Pathology of CADASIL with Disease-specific iPS Cells
High Fat Diet Alters Stroke Inflammation
Hyperhomocysteinemia Model of Stroke

Improving Stroke Prevention in the Elderly: A Challenge for the Next Decade
(Preventive Strategies)
Prevention of Stroke in Elderly: Challenges and Solutions
Carotid Revascularization in the Elderly
Using Anticoagulants in Patients with Frailty or Cognitive Decline
Atypical Causes of Stroke in the Elderly

Stroke Data Innovation and Management: Driving for Excellence
(Nursing)

Stroke Data in Asutralia
Stroke Data at a World Class Institution
Stroke Data in China
Stroke Data at Kaiser Permanente

Neuro-Interventional Track: Controversies in Endovascular Stroke Treatment

Oral Abstract Sessions

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

3:00 pm – 4:00 pm

CED Talks (Cerebrovascular Education and Discovery)
Patricia Hurn
Dawn Kleindorfer
Jeffrey L Saver

Platelet Exosomes in Stroke Treatment and Prevention
(Experimental Mechanisms and Models)
Introduction: Focus on Clinical Relevance
Platelet Exosomes Role in Stroke
Platelet Exosomes in Angiogenesis
Platelet Exosomes in Inflammation
Exosomes in Nanoparticle Treatment

Protocols and Techniques for Intracerebral Hemorrhage Evacuation: Can We Improve the Outcome? (Debate)
(Intracerebral Hemorrhage)
White Matter Sparing Approaches
Endoscopy
MISTIE
Open Surgery and Quality of the Evidence

Neuro-Interventional Track: Controversies in Stroke: A Three-way Debate

Oral Abstract Sessions

4:00 pm – 4:15 pm
Short Break

4:15 pm – 5:15 pm

How to Identify Target Patient Groups in Stroke Recovery and Rehabilitation Trials
(Clinical Rehabilitation and Recovery)
Neurophysiological Predictors
Functional and Structural Connectivity
EEG Predictors of Stroke Recovery
Predicting Restorative Therapy Response

The Critically-ill Stroke Patient: Optimal Triage Practices (an ASA and Neurocritical Care Society Joint Symposium)
(Health Services, Quality Improvement, and Patient-Centered Outcomes)
Golden Hour: Pathophysiology of Secondary Brain Injury
EMS to Acute In-hospital Care: Forecasting Deterioration in Neurovascular Patients
Evidence-based Value of Specialized Neurocritical Care: When to Transfer a Patient to a Hospital with a NICU or Exploring the Value of Tele-ICU
Criteria for Transitions from Neurocritical to Stroke Units

ISC Preliminary Program

The New Frontiers in Thrombolysis of Patients with Acute Ischemic Stroke (25th anniversary of the NINDS tPA Trial)
(Acute Nonendovascular Treatment)
Thrombolysis: The Story from the Bench to the Bedside

Thrombolysis in the Extended Time Window: Is Your Hospital Ready?

Thrombolysis in Patients with Minor, Non-disabling Symptoms

Thrombolysis in the Setting of Relative Contraindications

Thrombolysis in Women with Acute Stroke

Transradial Approaches for Stroke and Cerebrovascular Disease: The End of Femoral Artery Complications?
(SAH and Other Neurocritical Management)
Why Radial?

Transradial Diagnostic Cerebral Angiography: Pearls and Pitfalls

Transradial Interventional Cerebral Procedures: Stroke and Beyond

Controversies in Radial vs Femoral Cerebral Angiography

Neuro-Interventional Track: Latest and Greatest in Aneurysm Treatment

Oral Abstract Sessions

5:30 pm – 6:30 pm
Professor-Led Poster Tours by Category:
Moderated Presentation and Q&A with Poster Presenters

6:30 pm – 7:00 pm
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.

Thursday, Feb 20

7:00 am – 8:30 am

ECMO and the Brain: What Can, Does, or Might Happen to Your Patient’s Brain
(Vascular Malformations)

Neurological Complications of ECMO
Pediatric Neurological Complications
Neuromonitoring 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

Know What You’re Treating: Use CTP or MRI
Did I Miss That? Challenging CTA Cases
A Perfusion Imaging Primer
Availability of Advanced Imaging Techniques at Endovascular Capable Centers

Restarting Anticoagulation after ICH
(Intracerebral Hemorrhage)

Restarting Anticoagulation and Anti-Platelets after an ICH
Timing of Restarting Anticoagulants after an ICH
Warfarin versus NOACs after an ICH
Management of Bleeding Complications in Patients on Antithrombotics

Worldwide Perspective on Organizing Stroke Care (an ASA and World Stroke Organisation Joint Symposium)

Prehospital Stroke Care
Improving ED Evaluation and Efficiency
Improving the Efficiency of Regional Stroke Care Networks
Contemporary Stroke Units
Evaluation, Training, and Quality Measures

Brain Health Track: Screening for Cognition and Factors Related to Brain Health

Evaluating Cognition in Elderly Primary Care
Considerations in Cognitive Assessment in Disparate Populations
Modifying Cognitive Risk Factors
Optimal Blood Pressure for Brain Health: Lessons from SPRINT MIND

Oral Abstract Sessions

8:30 am – 8:45 am
Short Break

8:45 am – 10:15 am
Addressing Disparities in Stroke Care and Outcomes
(Health Services, Quality Improvement, and Patient-Centered Outcomes)

When a Difference Becomes a Disparity
Overcoming Stroke Outcome Disparities
Global Stroke Disparity: Time for Action
Preventing Disparities: Myth or Reality?

Back to the Future: Protecting the Brain in the Age of Effective Recanalization (an ASA and NINDS Joint Symposium)

Welcome and Introductions
Testing Neuroprotective Agents Now: A Better Path Forward
Improving the Rigor of Pre-clinical Testing: Lessons from EU’s Multipart

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) *(an ASA and Stroke Society of Australasia Joint Symposium)*
(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

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

ISC Preliminary Program

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

Artificial Intelligence in Stroke Imaging: Separating Hype from Reality
(Acute Neuroimaging)

Terminology: AI, Machine Learning, and Deep Learning

Deep Learning for Stroke Detection

Autonomous Stroke Diagnosis

Implementations of Current AI Tools in Stroke Imaging

Challenges and Future Directions of AI in Stroke Imaging

Brain and Heart - Found in Translation: From Bench to Clinical Trial
(Vascular Biology in Health and Disease)

Keeping America from Having a Stroke Again: How to Solve a “Yuge” Problem?

Damaging Heart and Brain: Cell Death Signaling and Crosstalk

Regulatory T Cell Protection of BBB

Clinical Trials of Structural Heart Disease and the Brain: The New Frontier

Regulation of Cerebral Blood Flow: Radical Hypotheses and New Frontiers
(Experimental Mechanisms and Models)

The Relationship of Cerebral Blood Flow and Blood Pressure

Vasculo-to-neuronal Signaling in Health and Disease

The Effects of Cerebral Microvascular Dysfunction Revealed by In Vivo

Microvascular Mitochondria: The Epicenter of Impaired Neurovascular Coupling

What Defines Adequate Training for Interventionalists to Perform Thrombectomy (Debate)
(Acute Endovascular Treatment)

There Is a “Stroke Only” Option: Full NeuroEndo Training Is Necessary

There Is No “Stroke Only” Option: Full NeuroEndo Training Is Necessary

There Must Be a Distance or Time Assessment of Need

There Is No Practical Way to Demand a Distance or Time Assessment of Need

Individual Training and Volume Requirements Are a Must

Individual Training and Volume Requirements Are Unreasonable and Biased

Brain Health Track: Cognitive Decline in Women
(A Go Red for Women Session)

Does Physical Activity Impact Cognitive Decline

Impact of Medications on Cognitive Function in Women

Cognitive Resilience in Women

ISC Preliminary Program

Late-Breaking Science Oral Abstract Session

Oral Abstract Sessions

5:30 pm – 6:30 pm
Professor-Led Poster Tours by Category:
Moderated Presentation and Q&A with
Poster Presenters

6:30 pm – 7:00 pm
Poster Session with Poster Presenters

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to change. For up-to-the-minute program
information and speakers, please see the online ISC
2020 Program Planner at strokeconference.org.

Friday, Feb 21

7:00 am – 8:30 am

Dural Arteriovenous Fistulas: Natural History
and Management Strategies
(Vascular Malformations)

Natural History of Unruptured Dural AVFs

Is Radiosurgery Appropriate for High Grade Dural
AVFs?

When Is Surgical Treatment Necessary?

Endovascular Treatment Strategies

Exploring Long Term Consequences of Ischemic
Stroke in Pre-clinical Models
(Basic and Preclinical Neuroscience of Stroke
Recovery)

Cognitive Impairment after Stroke (with a Clinical
Overview)

Stroke-induced Addictive Behaviors

Post-stroke Depression in Animal Models

Stroke Induced Epilepsy in Animal Models

Ultra-high Field MRI in Cerebral Small Vessel
Disease Research
(Vascular Cognitive Impairment)

Advantages of Ultra-high Field MRI

UHF fMRI in Systems Neuroscience

Pathological Origins of UHF (7T) MRI Contrast in
Cerebrovascular Disease

UHF MRI for Vascular Physiopathology

Brain Health Track: Brain Health Across the Life
Course
(Pediatric Stroke)

Cognitive Consequences of Clinical and Sub-
clinical Cerebrovascular Disease in Children

Importance of Mid-life Vascular Health for Late-
life Brain Health

Lifestyle Modifications Over the Life Course and
Brain Health

Consideration of the Life Course in Animal
Models of Vascular Cognitive Impairment

Oral Abstract Sessions

8:30 am – 8:45 am
Short Break

8:45 am – 10:15 am

Neuroimaging for Acute Stroke in the Young with
Large Artery Occlusion: Does Penumbra Matter?
(Debate)
(Pediatric Stroke)

Yes, Measuring the Penumbra Helps Young Stroke
Patients, and Current Imaging Modalities Should
Be Utilized!

Yes, Measuring the Penumbra Would
Help Young Stroke Patients, But
We Need New Imaging Modalities!

No, Penumbra Measurements Are Counterintuitive
in Young Stroke Patients with Good Collaterals,
and They Delay Time to Recanalization!

Stroke with Atrial Fibrillation: What’s New?
(Preventive Strategies)

Left Atrial Cardiopathy: From Epidemiology to
Clinical Trials.

Left Atrial Appendage Closure: Trials and
Recommendations

Timing of Anticoagulation After Stroke: Trials and
Recommendations

NOAC Associated Bleeding and Its Antidotes

Technology and Innovation in Stroke Care:
Thinking Outside the Box (an ASA and Israeli
Neurological Association Joint Symposium)

AI for Synchronized Stroke Care

Sphenopalatine Ganglion Stimulation for Acute
Ischemic Stroke

Targeting the Cerebral Microvasculature Post-
stroke: Intrinsic and Extrinsic Exosomes:
Exacerbating Damage and Recovery, Respectively

Harnessing the Power of Innate and Adaptive
Immune System to Fight Against Stroke and
Neurological Conditions

The Arteriole in Cerebral Microvascular Disease
(Vascular Biology in Health and Disease)

Imaging the Arteriole

The Arteriole in Aging and Hypertension

The Arteriole in CAA, CADASIL, and CKD

Stroke-induced impairments in Neurovascular
Coupling

Brain Health Track: Pathogenic Mechanisms
Linking Cerebrovascular Dysfunction to
Neurocognitive Decline

Genetic Risk Factors for Cognitive Decline and
Their Effects on Neurovascular Function

Vascular Permeability, Blood Brain Barrier
Dysfunction, and Cognitive Decline

Linking Neurodegeneration to Stroke: Lessons
Learned from CADASIL

Relationship of Arterial Wall Remodeling and
Cognitive Performance

ISC Preliminary Program

Oral Abstract Sessions

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

10:30 am – 12:30 pm
Closing Main Event

David G Sherman Award Presentation
William M Feinberg Award Presentation
Late-Breaking Science Oral Abstracts
Closing Remarks

International Stroke Conference 2020 Faculty (as of 10/23/2019)

- Nabil Alkayed, MD, PhD, Portland, OR

Sepideh Amin-Hanjani, MD, Chicago, IL

Catherine Amlie-lefond, MD, Seattle, WA

Eric Anderson, MD, PhD, Gulfport, FL

Nadine Andrew, Frankston, Australia

Negar Asdaghi, MD, Miami, FL

Cenk Ayata, MD, Charlestown, MA

Ludmila Belayev, MD, New Orleans, LA

Geert Biessels, MD, Utrecht, Netherlands

Mark Borsody, PhD, Orinda, CA

Ethan Brandler, Stony Brook, NY

Marion Buckwalter, MD, Stanford, CA

Cheryl Bushnell, MD, Winston Salem, NC

Dominique Cadilhac, MD, Clayton, Australia

Michelle Camicia, MSN, Novato, CA

Bruce Campbell, MBBS, Parkville, Australia

Valeria Caso, PhD, Perugia, Italy

Hugues Chabriot, MD, Paris, France

Sherita Chapman, BS, Charlottesville, VA

Seemant Chaturvedi, Baltimore, MD

Marc Chimowitz, MD, Charleston, SC

Pam Conley, San Francisco, CA

Salvador Cruz-Flores, MD, El Paso, TX

Stephen Davis, MD, Parkville, Australia

Gregory Del Zoppo, MS, Seattle, WA

Bart Demaerschalk, MD, MSc, FRCPC, Phoenix, AZ

Andrew Demchuk, MD, Calgary, AB, Canada

Thomas Devlin, MD, Chattanooga, TN

Rose Du, MD, Boston, MA

Nada El Hussein, MD, Durham, NC

Mark Etherton, MD, Boston, MA

Nima Etminan, MD, Mannheim, Germany

Roland Faigle, MD, Baltimore, MD

Valery Feigin, MD, PhD, Auckland, New Zealand

Johanna Fifi, MD, New York, NY

Jessica Filosa, PhD, Augusta, GA

Laura Findeiss, MD, Atlanta, GA

Mark Fisher, MD, Orange, CA

Myriam Fornage, MS, Houston, TX

Juhana Frösen, MD, Helsinki, Finland

Karen Furie, Providence, RI

Hector Gonzalez, PhD, La Jolla, CA

Philip Gorelick, MD, MPH, Lincolnwood, IL

Rebecca Gottesman, MD, Baltimore, MD

Prasanthi Govindarajan, MD, Palo Alto, CA

Theresa Green, Kelvin Grove, Australia

Steven Greenberg, MD, PhD, Boston, MA

Kristin Guiliams, MD, Saint Louis, MO

Mahmut Gurol, MD, Boston, MA

Jose Gutierrez, MD, New York, NY

Vladimir Hachinski, MD, London, ON, Canada

Ameer Hassan, DO, Harlingen, TX

Jason Hinman, Los Angeles, CA

Teruyuki Hirano, MD, Mitaka, Japan

Judy Huang, MD, Baltimore, MD

Costantino Iadecola, MD, New York, NY

Masafumi Ihara, MD, Suita, Japan

Ashutosh Jadhav, MD, Pittsburgh, PA

Lori Jordan, MD, Brentwood, TN

Tudor Jovin, MD, Pittsburgh, PA

Prasad Katakam, MD, New Orleans, LA

Emanuela Keller, MD, Zurich, Switzerland

Pooja Khatri, MD, Cincinnati, OH

Monique Kilkenney, Clayton, Australia

David Kleinfeld, MD, La Jolla, CA

Raymond Koehler, PhD, Baltimore, MD

Lawrence Latour, PhD, Bethesda, MD

Ronald Lazar, PhD, Birmingham, AL

Sarah Lee, MD, Palo Alto, CA

Enrique Leira, MD, Iowa City, IA

Thabele Leslie-Mazwi, MD, Boston, MA

Michael Levitt, MD, Seattle, WA

Peiying Li, MD, Shanghai, China

David Liebeskind, MD, Los Angeles, CA

Sook-Lei Liew, Los Angeles, CA

Eng Lo, PhD, Charlestown, MA

Helmi Lutsep, MD, Portland, OR

Henry Ma, MA, Clayton, Australia

Jennifer Majersik, MD, Salt Lake City, UT

Nathan Manning, MBBS, Randwick, Australia

Elisabeth Marsh, MD, Baltimore, MD

Louise McCullough, MD, Houston, TX

Melissa Meighan, Oakland, CA

Dawn Meyer, MD, San Diego, CA

Sandy Middleton, MN, Darlinghurst, Australia

Truman Milling, MD, Austin, TX

J Mocco, MD, New York, NY

Livia Morais, PhD, Cork, Ireland

Johanna Morton, MD, Austin, TX

Susanne Muehlschlegel, MD, Worcester, MA

Sandra Narayanan, MD, Detroit, MI

John Oostema, MD, Grand Rapids, MI

Mayowa Owolabi, ScM, Ibadan

Aditya Pandey, MD, Ann Arbor, MI

Jeyaraj Pandian, MD, Ludhiana, India

Guillaume Pare, MD, Hamilton, ON, Canada

Mark Parsons, MD, Parkville Melbourne, Australia

Gustavo Pradilla, MD, Atlanta, GA

Marios-Nikos Psychogios, MD, Goettingen, Germany

Gianluca Pucciarelli, Rome, Italy

Martin Radvany, MD, Little Rock, AR

Mathew Reeves, PhD, East Lansing, MI

Marc Ribo, MD, PhD, Barcelona, Spain

Christopher Richards, MD, Chicago, IL

Ralph Sacco, MD, Miami, FL

Lauren Sansing, MD, New Haven, CT

Fabien Scalzo, MD, Tarzana, CA

Lee Schwamm, MD, Boston, MA

Andy Shih, MD, Seattle, WA

Ashkan Shoamanesh, MD, Hamilton, ON, Canada

Farida Sohrabji, PhD, Bryan, TX

Farzaneh Sorond, MD, PhD, Chicago, IL

Thorsten Steiner, MD, Frankfurt, Germany

Jose Suarez, MD, Baltimore, MD

Nicole Sur, MD, Miami, FL

Fernando Testai, MD, PhD, Chicago, IL

Brian Theodore, MS, Vallejo, CA

Amytis Towfighi, MD, Los Angeles, CA

Tanya Turan, MD, Charleston, SC

Neetu Tyagi, PhD, Louisville, KY

Michael Tymianski, MD, Toronto, ON, Canada

Mathieu van der Jagt, MD, Rotterdam, Netherlands

Chitra Venkatasubramanian, MD, Palo Alto, CA

Mervyn Vergouwen, MD, Utrecht, Netherlands

Nirali Vora, MD, Stanford, CA

Steven Warach, MD, Austin, TX

Erica Weekman, MD, Lexington, KY

Babu Welch, MD, Dallas, TX

Donna Wilcock, PhD, Lexington, KY

Max Wintermark, MD, Stanford, CA

Lawrence Wong, MD, Shatin, Hong Kong

Clinton Wright, MD, Rockville, MD

Ona Wu, PhD, Boston, MA

Albert Yoo, MD, Plano, TX

Amy Ying Xin Yu, MD, Toronto, ON, Canada

Ramin Zand, MD, Danville, PA

Wendy Ziai, MD, Baltimore, MD



Poster Hall Viewing Hours

To provide additional hours for poster viewing, the Poster Hall will be open during these hours:
Wednesday, Feb 19 8:00 am – 7:00 pm
Thursday, Feb 20 8:00 am – 7:00 pm

Moderated Poster Tours
Professor-Led Poster Tours by Category:
Moderated Q&A with Poster Presenters

Leaders in the stroke field will take groups of attendees around speaker-attended posters for a brief presentation by and a Q&A with the poster presenters. Poster tours will be arranged by category. Professor-led poster tours are scheduled as follows:
Wednesday, Feb 19 6:30 pm – 7:00 pm
Thursday, Feb 20 6:30 pm – 7:00 pm

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

These posters are different from the posters presented in the Professor-Led Poster Tours above.
Wednesday, Feb 19 6:30 pm – 7:00 pm
Thursday, Feb 20 6:30 pm – 7:00 pm
Please go to strokeconference.org/ programming for additional information about the Poster Sessions.

E-posters
E-posters will be viewable in the Poster Hall from 8:00 am – 7:00 pm. Registered ISC attendees can also view the E-posters online at strokeconference.org.
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 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 \$960 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 tier.

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.

	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	
TUES • FEB 18	State-of-the-Science Stroke Nursing Symposium												
	Pre-Conference Symposium I: Stroke in the Real World: A Star is Born: Thrombolysis and Thrombectomy												
	Pre-Conference Symposium II: Stroke in the Lab World: Novel Approaches in Studying Brain Metabolism and Function												
	Pre-Conference Symposium III: HEADS UP: Health Equity and Actionable Disparities in Stroke: Understanding and Problem-solving												
WED • FEB 19	International Stroke Conference 2020												
	Antiplatelets Made in Japan: Really Effective for Stroke? (Debate) Assessment of Caregiver Preparedness Across the Continuum The Evolving Landscape of Prehospital Stroke Care Symptomatic Intracranial Stenosis Neuro-Interventional Track Oral Abstracts	SHORT BREAK	Developing International Partnerships to Foster Stroke Research, Education/Training, and Care Delivery in Africa Use of Big Data to Improve Risk Factors, Care and Outcomes Advanced Neurocritical Care Management of SAH and Delayed Cerebral Ischemia Sex Differences in Stroke Neuro-Interventional Track Oral Abstracts	SHORT BREAK / SCIENCE AND TECHNOLOGY HALL	OPENING MAIN EVENT Welcome and Introduction of AHA/ASA President Presidential Address 25th Anniversary of the tPA Trial Results 5th Anniversary of the Endovascular Trials' Results Stroke Journal: 50th Anniversary Presentation	SHORT BREAK / SCIENCE AND TECHNOLOGY HALL	LUNCH BREAK FELLOW AND EARLY CAREER STROKE LEADER ROUND TABLE LUNCHEON Advance Practice Providers' Luncheon Science and Technology Hall	Stroke Data Innovation and Management Experimental Modeling of Stroke with "Real World" Vascular Risk Factors Improving Stroke Prevention in the Elderly Neuro-Interventional Track Oral Abstracts	BREAK / SCIENCE AND TECHNOLOGY HALL	CED Talks (Cerebrovascular Education and Discovery) Protocols and Techniques for Intracerebral Hemorrhage Evacuation (Debate) Platelet Exosomes in Stroke Treatment and Prevention Neuro-Interventional Track Oral Abstracts	SHORT BREAK	How to Identify Target Patient Groups in Stroke Recovery and Rehabilitation Trials The New Frontiers in Thrombolysis of Patients with Acute Ischemic Stroke The Critically-Ill Stroke Patient: Optimal Triage Practices Transradial Approaches for Stroke and Cerebrovascular Disease Neuro-Interventional Track Oral Abstracts	PROFESSOR-LED POSTER TOUR SESSIONS (60 MINS) REGULAR POSTER SESSIONS (30 MINS)
	International Stroke Conference 2020												
	Worldwide Perspective on Organizing Stroke Care ECMO and the Brain Is Less More? Controversies in Imaging Endovascular Treatment Candidates Restarting Anticoagulation after ICH Brain Health Track: Screening for Cognition and Factors Related to Brain Health Oral Abstracts	SHORT BREAK	Time Is Brain Is Dead: Only Dead Brain Is Dead (Debate) Protecting the Brain in the Age of Effective Recanalization Expanding Indications for Thrombectomy (Debate) Addressing Disparities in Stroke Care and Outcomes Brain Health Track: What Can Genes Tell Us About Brain Health? Oral Abstracts	SHORT BREAK / SCIENCE AND TECHNOLOGY HALL	THURSDAY MAIN EVENT Thomas Willis Award Presentation and Lecture ISC Outstanding Stroke Research Mentor Award Presentation Late-Breaking Science Oral Abstracts	SHORT BREAK / SCIENCE AND TECHNOLOGY HALL	LUNCH BREAK BASIC SCIENCE NETWORKING LUNCHEON Nursing and Rehabilitation Professionals Luncheon Science and Technology Hall	Reducing the Global Burden of Stroke in Resource Limited Settings Town Hall Forum Widening the Lens of Telestroke Contemporary Management of Unruptured Intracranial Aneurysms: What to Counsel Patients Brain Health Track: Adaptive Myelination: The Linchpin in Brain Health Oral Abstracts LB Science Oral Abstracts	BREAK / SCIENCE AND TECHNOLOGY HALL / CASE STUDIES THEATER	Ask Me Anything about Telemedicine: Panel Discussion Winter Is Coming: Palliative Care and End-of-life Issues in Stroke Dilemmas in Cerebral Aneurysm Management Brain Health Track: Exploring Knowledge Gaps in Subclinical Cerebrovascular Disease Imaging Biomarkers Oral Abstracts LB Science Oral Abstracts	SHORT BREAK	Game of Strokes What Defines Adequate Training for Interventionalists to Perform Thrombectomy (Debate) Regulation of Cerebral Blood Flow AI in Stroke Imaging: Separating Hype from Reality Brain and Heart – Found in Translation Brain Health Track: Cognitive Decline in Women Oral Abstracts LB Science Oral Abstracts	PROFESSOR-LED POSTER TOUR SESSIONS (60 MINS) REGULAR POSTER SESSIONS (30 MINS)
	FRI • FEB 21	International Stroke Conference 2020											
Ultra-high Field MRI in Cerebral Small Vessel Disease Research Dural Arteriovenous Fistulas: Natural History and Management Strategies Exploring Long Term Consequences of Ischemic Stroke in Preclinical Models Brain Health Track: Brain Health Across the Life Course Oral Abstracts		SHORT BREAK	Technology & Innovation in Stroke Care Neuroimaging for Acute Stroke in the Young Stroke with Atrial Fibrillation: What's New? The Arteriole in Cerebral Microvascular Disease Brain Health Track: Pathogenic Mechanisms Linking Cerebrovascular Dysfunction to Neurocognitive Decline Oral Abstracts	SHORT BREAK	CLOSING MAIN EVENT David G Sherman Award Presentation and Lecture William M Feinberg Award Presentation and Lecture Late-Breaking Science Oral Abstracts Closing Remarks	SHORT BREAK	ADJOURN	 American Stroke Association. International Stroke Conference strokeconference.org					

Registration and Housing

Registration Fees: International Stroke Conference 2020			
Membership/Registration Categories	Early Rate Until Dec 31	Advance Rate Jan 1–Jan 28	Standard Jan 29–Feb 19
Premium Emeritus Member	\$75	\$175	\$275
Premium Professional Plus Member	\$400	\$500	\$600
Premium Professional Member	\$500	\$600	\$700
General Professional Member	\$900	\$1,000	\$1,200
Professional Associate Member	\$900	\$1,000	\$1,200
Student Trainee Member	\$200	\$300	\$400
Early Career Member ¹	\$300	\$400	\$500
Nurse/Allied Health/Other Premium Professional Plus Member ²	\$250	\$350	\$450
Nurse/Allied Health/Other Premium Professional Member ²	\$350	\$450	\$550
Nurse/Allied Health/Other General Professional Member ²	\$400	\$500	\$600
One Day Only Wednesday or Thursday Member	\$275	\$375	\$475
One Day Only Friday Member	\$200	\$300	\$400
Nonmember*	\$1,060	\$1,160	\$1,360
Early Career Nonmember**	\$900	\$1,000	\$1,100
Nurse/Allied Health/Other Nonmember***§	\$735	\$835	\$935
Student/Trainee Nonmember****	\$400	\$500	\$600
One Day Only Wednesday/Thursday Nonmember	\$375	\$475	\$575
One Day Only Friday Nonmember	\$300	\$400	\$500
Spouse/Adult Family Member (Exhibits Only)	\$100	\$200	\$300

Registration Fees: State-of-the-Science Stroke Nursing Symposium 2020			
Member	\$150	\$250	\$350
Professional Associate Member	\$250	\$350	\$450
Nonmember	\$250	\$350	\$450

Registration Fees: ISC Pre-Conference Symposium I: Stroke in the Real World			
Member and Nonmember	\$125	\$150	\$250
Registration Fees: ISC Pre-Conference Symposium II: Stroke in the Lab World			
Member and Nonmember	\$50	\$50	\$50
Registration Fees: ISC Pre-Conference Symposium III: Heads–Up			
Member and Nonmember	\$50	\$50	\$50

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¹ **Early Career Member:** has received professional degree within the past five years
² **Nurse/Allied Health/Other:** includes EMT, Paramedic, Technician, Therapist

* **Nonmember price:** includes short term complimentary AHA General Professional Membership. (\$130 value).
** **Early Career Nonmember price:** includes short term complimentary AHA Early Career Membership. (\$39 value).
*** **Nurse/Allied Health/Other Nonmember price:** includes short term AHA General Professional Membership. (\$40 value).
**** **Student/Trainee Nonmember price:** includes complimentary short term AHA Student/Trainee Membership. (\$39 value).
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