Preview Program
As of September 5th. Please note that session and presentation titles are subject to change.

Wednesday, Feb 6
7:00 am – 8:30 am

New Roles for RNA in Stroke: It's Not Just about Protein Translation
Category: Experimental Mechanisms and Models
- EV-derived ncRNAs in neuroprotection
- IGF-1-induced neuroprotection via ncRNAs
- The circular RNAome in ischemic stroke
- Post-stroke Immune Targeting: Clinical Areas Including Noncoding RNAs as Biomarkers

Perspectives on vascular cognitive impairment and dementia
Category: Vascular Cognitive Impairment
- Stroke, SVD and functional and cognitive decline
- Risk factors and prevention strategies in VCID
- CAA and VCID
- Social activities and cognitive decline

Plasticity and the Promise of Recovery after Stroke: Novel, Practical and Clinical Considerations
Category: Clinical Rehabilitation and Recovery
- Molecular mechanisms—are they important?
- Changes in the CNS Leading to Recovery
- Augmenting Plasticity Enhances Recovery?
- Model of post-stroke motor recovery

The Changing Face of Subarachnoid Hemorrhage in the ICU
Category: SAH and Other Neurocritical Management
- Poorgrade SAH- upward mobility in outcomes?
- Advances in the management of cerebral vasospasm and DCI
- The NINDS/ NCS Subarachnoid Hemorrhage Common Data Elements Project
- Passing the baton in hemodynamic and fluid management of SAH: From Swan Ganz to bedside ultrasound

Oral Abstract Sessions
8:30 am – 8:45 am Break
8:45 am – 10:15 am

Big Picture on Intracerebral Hemorrhage: Practical Implications and Future Outlook
Category: Intracerebral Hemorrhage
- Outcomes determinants considering modern stratification and hemorrhage expansion
- Seal the leak: Blood pressure and procoagulants, promise and limitations
- Intracranial pressure and cerebral perfusion: Impact in ICH?
- Removing the clot and big picture future outlook

It's Not “One Size Fits All”: Emerging Issues in Caregiving
Category: Nursing
- CG Psychosocial/Demographic Determinants
- Caregiver Characteristics and Engagement
- Assessing CG Commitment and Capacity
- Evidence-Based Stroke Care Transitions and Stroke TCM: Implementation Challenges
- Improve Transitions Using Social Workers
Pericytes in Stroke: New Kids on the Block

Category: Basic and Preclinical Neuroscience of Stroke Recovery
Pericytes and transporter trafficking
Pericytes and cerebral blood flow
Imaging pericytes in vivo
Pericyte transdifferentiation in stroke

Small Vessel Disease: A Big Impact on Aged Society (an AHA/ASA and Japan Stroke Society Joint Symposium)

Category: Diagnosis of Stroke Etiology
Race, Ethnicity and Cerebral Small Vessel Diseases
Advanced Neuroimaging of Small Vessel Diseases
Medical Management for Small Vessel Diseases
Genetic Factors in Small Vessel Diseases

Oral Abstract Sessions

10:15 am – 10:30 am Break

10:30 am – 12:00 Noon
Opening Main Event
Welcome from Nancy Brown, AHA’s CEO
Presidential Address, Ivor Benjamin, MD, FAHA
ISC Program Chair Welcome, Miguel Perez-Pinzon, PhD, FAHA
William M Feinberg Award Presentation and Lecture
Late-Breaking Science Oral Abstracts

12:10 pm – 1:30 pm
Fellow and Early Career Women in Stroke Mentoring Lunch
Advance Practice Providers Luncheon

1:30 pm – 2:30 pm

Blood Brain Barrier: Mechanisms and Opportunities for ICH

Category: Vascular Biology in Health and Disease
Pathways and Protection
Repair and Recovery
Clinical Trials and Translation
Translation Trials to Protect BBB after ICH

Functional Implications of Chronic Disorders for CBF Regulation and Stroke Outcome

Category: Vascular Biology in Health and Disease
Metabolic Syndrome and Secondary Thrombosis
Cerebral Blood Flow at the Microvascular Level
Hyperlipidemia and Perfusion Deficits
Cerebrovascular Dysfunction, Sex and Diabetes

I Know the Best Way to Select Patients and Perform Stroke Thrombectomy (Debate)

Category: Acute Endovascular Treatment
Always use perfusion imaging
Perfusion imaging is not needed
Direct to angio - no CT is needed
Do not use general anesthesia
Do use general anesthesia
Treat LVO patients with low NIHSS
Do not treat patients with low NIHSS

Town Hall Forum: Women in Stroke

Oral Abstract Sessions

2:30 pm – 3:00 pm Break
3:00 pm – 4:00 pm

CED Talks (Cerebrovascular Education and Discovery)
Title TBD – Patrick Lyden
Title TBD – Donna K Arnett
Forecast for a Brighter Future for Stroke Prevention – Ralph L Sacco

Cost Effective Stroke Interventions in Low and Middle Income Countries (an AHA/ASA and World Health Organization Joint Symposium)
Category: Community/Risk Factors
Global Burden of Stroke and its cost
The cost of stroke in South America
Acute treatment vs prevention on budget
Convincing government of the global imperative for prevention

Post-stroke psychiatric symptoms
Category: Clinical Rehabilitation and Recovery
Depression
Apathy and delirium
Anger
Pharmacological Treatment

Telestroke Systems In the Endovascular Era – Extending the Extended Window (an AHA/ASA and American Academy of Neurology Joint Symposium)
Category: Emergency Care Systems
Telestroke As a Tool for Prehospital Triage
Telestroke as a Tool for Interfacility Endovascular Transfers
Multimodal Imaging in Telestroke Systems of Care
Endovascular Therapy In Resource Limited Countries - Can Telestroke Help?

Oral Abstract Sessions

4:00 pm – 4:15 pm  Break

4:15 pm – 5:15 pm

Superwoman Syndrome: Racial/Ethnic Disparities in Stroke
Category: Nursing
Stroke Risk and Outcomes in Minority Women
RISE to Prevent Stroke in Black Women
Post-Stroke Needs of Minority Women
Family Caregiving in Minority Women

What do I do with this aneurysm?
Category: Aneurysm
What aneurysms should I treat?
What aneurysms should I leave alone?
Is there still a role for clipping?
Newer endovascular techniques for aneurysm therapy

What’s Old Is New Again: Neuroprotection for Stroke in 2019
Category: Acute Nonendovascular Treatment
Neuro-protection in the Pre-hospital Setting
Expanding Time Window for Thrombectomy: Neuro-protection in the Era of EVT
Preventing Reperfusion Injury: Neuro-protection after Acute Stroke Treatment
Vasculo-protection for Stroke

AIS Guidelines: Follow-up Session
Oral Abstract Sessions
5:15 pm – 5:30 pm  Break

5:30 pm – 6:30 pm  
Moderated Posters

6:30 pm – 7:00 pm  
Posters

Thursday, Feb 7  
7:00 am – 8:30 am

Moya Moya Disease: What’s Behind the Smoke?  
**Category: Vascular Malformations**
Evidence for Varying Disease Phenotypes: Phenotypical Differences among Various Populations - Insights from Epidemiology
Evidence for Varying Disease Phenotypes: Insights from Genetics
Deciding When to Intervene: Therapeutic Strategies for Long-term Patient Management
Deciding When to Intervene: BOLD Differences in Imaging Vascular Reactivity
Which Surgical Treatment Should Be Used for MMD? Indirect Bypasses Are Optimal
Which Surgical Treatment Should Be Used for MMD? Direct Bypasses Are Best

**Novel Approaches to Prehospital Stroke Care in the Endovascular Era - The Future Ain't What It Used To Be**  
**Category: Emergency Care Systems**
A Geospatial Approach to Stroke Systems of care in the Endovascular Era
Portable Brain Imaging in Prehospital Stroke Detection: Through the Looking Glass
Sensor Technology in Prehospital Stroke Detection: Scratching the Surface
Artificial Intelligence in Prehospital Stroke Detection: Automation in Motion

Vulnerable Carotid Plaque Imaging and Management: A New Dawn?  
**Category: Acute Neuroimaging**
Ultrasound Imaging of carotid wall and plaque
CT and MR Imaging of carotid wall and plaque
Imaging of plaque inflammation and neovascularization
Low stenosis and high risk / High stenosis and low risk
Imaging of plaque regression and progression: impact of drug therapies

Oral Abstract Sessions  

8:30 am – 8:45 am  Break

8:45 am – 10:15 am

Medical therapy for symptomatic carotid stenosis: Time for modern data  
**Category: Cerebral Large Artery Disease**
Multi-modal treatment for carotid stenoses
Genetic guidance for antiplatelet therapy
Do HTN targets matter?
Modern trials for symp carotid stenosis

Optimal timing for in-hospital initiation of secondary prevention therapies in Acute Ischemic Stroke  
**Category: In-hospital Treatment**
Anticoagulation therapy for AF-related AIS
Statin therapy for AIS
Antihypertensive Medications for AIS
Carotid Revascularization Procedures for Symptomatic Carotid Stenosis

AIS Guidelines Q&A
Oral Abstract Sessions

10:15 am – 10:30 am Break

10:30 am – 12:00 Noon
Thursday Main Event
David G Sherman Award Presentation Lecture
Late-Breaking Science Oral Abstracts

12:10 pm – 1:30 pm
Basic Science Networking Luncheon
Nursing and Rehabilitation Professionals Luncheon

1:30 pm – 2:30 pm
Looking into the Brain thru the Eye: re-examining the Retina as a Surrogate Marker for Cognitive Disorders
Category: Vascular Cognitive Impairment
Retinal microvascular analysis using fun
Retinal amyloid imaging: new method of
Retinal optical coherence tomography and
OCT-angiography: a promising tool to stu

Stroke, Anticoagulants and Antidotes
Category: Diagnosis of Stroke Etiology
DOACs: How Risky in Real Worlds?
Reversal Agents: How Developed?
ICH During Anticoagulation: How Managed?
Thrombolysis after Anticoagulant Reversal: Really Effective?

The Case of ISC vs Anti: Anti-platelets, Anti-thrombin, or Anti-Xa: What Is the Best “Anti” for My Patient?

Microbiome Session

Oral Abstract Sessions

3:00 pm – 4:00 pm
Bugher Foundation Update
Childhood Acute Ischemic Stroke Neuropsychological and Quality of Life Outcomes: Lesion-specific Plasticity in the Developing Brain
White Matter Stroke Repair: The Molecular Effects of Neurorehabilitation on Recovery
Exercise and Cognitive Training Post-stroke

Embolic Strokes of Undetermined Source in 2019
Category: Diagnosis of Stroke Etiology
RESPECT-ESUS vs. NAVIGATE-ESUS: What HaveWe Learned?
Updated evaluation of the ESUS concept
Do the results of the ESUS trials change
ESUS in the young

Paradigm Shifts and Better Models To Advance Cell-Based Therapies for Stroke
Category: Basic and Preclinical Neuroscience of Stroke Recovery
New Insights on Mechanistic Targets of Stem Cells
The Unique Advantages of Pig Stroke Models to Study Stem Cell Therapy
Cell-based and Exosome Therapy
Clinical Trial Perspectives on Cell-based Therapies

Post-stroke Mood: A Treatable Factor Affecting Function and Return to Work.
Category: Pediatric Stroke
Impact of Stroke uponCognitive Outcome and Quality of Life: AreChildren Different from Adults?
Mood Disorders Following Strokein Children and Adolescents; Frequency and Impact
NIA/NINDS Session (Joint Government Agency Session)

Oral Abstract Sessions

4:15 pm – 5:15 pm

Novel targets for neuroprotection in stroke
Category: Experimental Mechanisms and Models
Spider venom for neuroprotection
AT2-receptor agonist nose-to-brain
GM6 - bench to bedside
Mas-receptor agonists for stroke

Salt and Sugar Intake with Increased Risk for Stroke and Vascular Health (an AHA/ASA and World Hypertension League Joint Symposium)
Category: Preventive Strategies
Stroke Risks and Salt/Sugar Intake
Hidden Salt and Sugar Sources in Diets
Populations at Greatest Risks from Salt
Strategies: Reduce Salt and Sugar Intake

Translating Evidence into Practice: Organizational, Behavioral, and Community-Based Interventions and Future Directions in Learning Health Systems
Category: Health Services, Quality Improvement, and Patient-Centered Outcomes
Organizational interventions
Behavioral Interventions for Lifestyle
Community-Based Interventions
Stroke Care in Learning Health Systems

Category: Community/Risk Factors
Culturally tailoring prevention interventions in the community
The role of context in implementation research: answering the ‘how to’ dilemma.
Responding to challenges in implementation: the role of process evaluation
Fidelity: Capturing the Detail to Improve Translation of Research Findings

Game of Strokes

Oral Abstract Sessions

5:30 pm – 6:30 pm
Moderated Posters

6:30 pm – 7:00 pm
Posters

Friday, Feb 8
7:00 am – 8:30 am

Chronic Kidney Disease and Stroke
Category: Community/Risk Factors
Epidemiology of CKD and Stroke
Neuropathology of CKD
CKD and Brain Microvascular Disease
Stroke Prevention and Treatment in CKD
One size fits all? Models for thrombectomy systems of care

*Category: Acute Endovascular Treatment*

Challenges in patient access
Skip the local center and head straight to the mothership
The closest local center is a must: Drip and Ship, or Bust
Bring the intervention to the patient: The trip and treat model
Lessons learned while studying multiple delivery models

*Reperfusion Injury: Fact or Fiction? (Debate)*

*Category: Vascular Biology in Health and Disease*

Reperfusion Injury: Fiction
Reperfusion Injury: Fact
Reperfusion Injury: Fiction (Rebuttal)
Reperfusion Injury: Fact (Rebuttal)

*The Paola DeRango Memorial Session: Stroke in Women Throughout the Life Course: An International Perspective*

Stroke in Young Women
Peri-menopausal Changes in Stroke Risk
Stroke in Postmenopausal Women
Marital Status and Stroke

**Oral Abstract Sessions**

**8:30 am – 8:45 am Break**

**8:45 am – 10:15 am**

*Should Endovascular Stroke Therapy for Large Artery Occlusion be Offered to Children? (Debate)*

*Category: Pediatric Stroke*

The Neurology Perspective: Arguments in favor of endovascular therapy for the pediatric stroke patient.
The Neurology Perspective: Arguments against endovascular therapy for the pediatric stroke patient.
The Endovascular Surgery Perspective: Arguments in favor of endovascular therapy for the pediatric stroke patient.
The Endovascular Surgery Perspective: Arguments against endovascular therapy for the pediatric stroke patient.

*Stroke Journal Symposium: Imaging Approaches to Patient Selection for Thrombectomy*

Overview of Current Practice
What imaging was used in the early and late time window thrombectomy trials
Advanced imaging is not necessary in most thrombectomy candidates
Advanced imaging is helpful in most thrombectomy candidates
What future trials are needed to define the role of imaging for thrombectomy patient selection

*Stroke Telehealth: Controversies and Solutions (an AHA/ASA and World Stroke Organisation Joint Symposium)*

*Category: Health Services, Quality Improvement, and Patient-Centered Outcomes*

Telestroke: State of the Art
Global Trends in Telestroke Stroke Care
Telestroke Networks in Urban Settings
Does Telestroke Consultation Affect Use of Thrombolysis and Thrombectomy?

*The Justin Zivin Memorial Session: The Tried and Tested vs the New Kid on the Block: The tPA vs tNK Debate*

*Category: Acute Nonendovascular Treatment*

TNK is Ready for Prime Time
Stick with the Tried and True rtPA for Now
TNK is Ready for Prime Time – Rebuttal
Stick with the Tried and True rtPA for Now – Rebuttal

**Oral Abstract Sessions**

**10:15 am – 10:30 am Break**
10:30 am – 12:30 pm
Closing Main Event
Cross Fire Debate Presentations
Thomas Willis Lecture Award Presentation and Lecture
Late-Breaking Science Oral Abstracts
Closing Remarks, Miguel Perez-Pinzon, PhD, FAHA