

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 stenosis

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 fundus
Retinal amyloid imaging: new method of
Retinal optical coherence tomography and
OCT-angiography: a promising tool to study

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 Have We 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 upon Cognitive Outcome and Quality of Life: Are Children Different from Adults?

Mood Disorders Following Stroke in Children and Adolescents; Frequency and Impact

Prolonged Unemployment in Young Adult after Stroke: What Can We Modify?
Post-stroke Depression: What Are the Barriers to Care?

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

Implementation Science in Disadvantaged Settings: Identifying What Works, Where, and How (*an AHA/ASA and African Academy of Neurology Joint Symposium*)

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