

Exploring the Frontiers of Neurocardiology

Brain-Heart Symposium 2024



Saturday, November 16, 2024

7:30 a.m.-5 p.m.

Aria Conference Center | Joshua Rooms 5 & 6
3730 S. Las Vegas Blvd. | Las Vegas, NV 89158



AIS

Arrhythmia Intervention Society



Barrow
Neurological Institute



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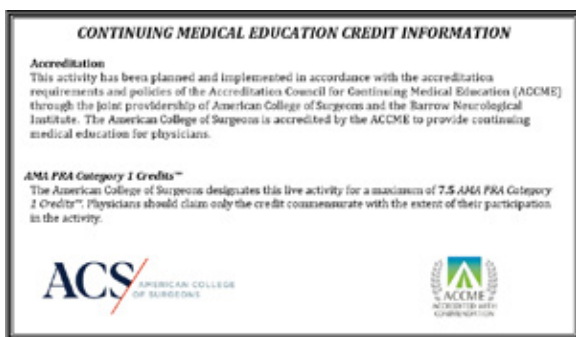
Who Should Attend

The program has been designed to meet the educational goals of cardiologists and neurologists, including residents and fellows training both specialties, as well as internists, physicians, nurses, and other health care workers involved in the evaluation and treatment of patients with neurologic and cardiac disorders.

Objectives

- Define the common conditions of brain-heart related disorders such as stroke, atrial fibrillation, syncope and autonomic disorders.
- Review the updated recommendations on the diagnostic workup of those conditions.
- Discuss the medical management of stroke prevention, cardiac arrhythmias and syncope.
- Explain the therapeutic options in the interventional treatment of atrial fibrillation, stroke prevention, syncope, as well as neurosurgical approaches for other vascular diseases of the brain.

Designation



Award of CME credits by ACS is based on compliance of the program with the ACCME accreditation requirements and does not imply endorsement by ACS of the content, the faculty, or the sponsor of the program.

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Disclosure Policy

It is the policy of St. Joseph's Hospital and Medical Center to ensure balance, independence, objectivity, and scientific rigor in all of its educational programs. All those in control of content will disclose all relevant relationships with commercial interests. Detailed disclosures will be made in the activity handout materials.

AGENDA Saturday, November 16, 2024

7:30 a.m. Registration, Breakfast, and Vendor Exhibit

7:55 a.m. Welcome & Introduction to Brain-Heart-2024

Drs. David Wang, Vijendra Swarup, Robert Lemery & Chowdhury Ahsan

Session I: Atrial Fibrillation and Stroke Prevention: Strategies and Innovations

Moderators: Drs. David Wang & William Resh

- 8 a.m. The Autonomic Nervous System, Neurocardiology and Paroxysmal Atrial Fibrillation
Robert Lemery, MD
- 8:10 a.m. AF Surveillance in the Digital Age
Sudarone Thihalolipavan, MD
- 8:20 a.m. Pulsed Field Ablation in the EP Lab: Safeguarding the Esophagus While Sparing Cardiac Ganglia?
Andrea Natale, MD
- 8:30 a.m. Embolic Strokes of Unknown Source (ESUS): Controversies in Diagnosis, Risk, and Treatment
Supreet Kaur, MD
- 8:40 a.m. **Atrial Fibrillation and Stroke Prevention DEBATE: The Interventional Approach: Left Atrial Appendage Occlusion (PRO)**
Sabil Kar, MD
- 8:50 a.m. **Atrial Fibrillation and Stroke Prevention DEBATE: The Pharmacologic Approach: Anticoagulants and Beyond (PRO)**
Dhanunjaya Lakkireddy, MD
- 9 a.m. **Atrial Fibrillation and Stroke Prevention DEBATE: Consensus & Clinical Key Points**
Sabil Kar, MD & Dhanunjaya Lakkireddy, MD
- 9:10 a.m. Questions and Comments
Panelists: *Drs. Robert Lemery, Sudarone Thihalolipavan, Andrea Natale, Supreet Kaur, Saibal Kar, Dhanunjaya Lakkireddy & Vijay Swarup*

Session II: Feature Presentation

Moderators: Drs. Vijendra Swarup & Anthony Alamo

- 9:30 a.m. Tailored Stroke Prevention in Atrial Fibrillation: Neuroimaging, Precision Cardiology, and the intersection of Neurology and Cardiology
Edip Gurol, MD
- 9:50 a.m. Questions and Comments

10 a.m. Break

Session III: Stroke Prevention, Therapeutic Interventions, and Managing Brain Bleeds

Moderators: Drs. Edip Gurol & Arash Aryana

- 10:30 a.m. Pharmacological Strategies in Stroke Management: Integration of Antiplatelet, Anticoagulant, and Neuroprotective Therapies to Limit Stroke Damage While Managing Bleeding Risks
David Wang, DO
- 10:40 a.m. Harnessing Incretin-Based Therapies: Transformative Impact of GLP-1 Receptor Agonists in Cardiovascular and Stroke Prevention
Chowdhury Ahsan, MD
- 10:50 a.m. Interatrial Septal Defect Closure: Updated Guidelines for Managing Patients with Cryptogenic Stroke, Migraine, Scuba Diving, and Other Clinical Scenarios
Saibal Kar, MD

- 11 a.m. Surgical Interventions in Intracerebral Hemorrhage: Indications and Outcomes - ENRICH Trial
Deanne Sasaki-Adams, MD
- 11:10 a.m. Thrombectomy for Stroke: Expanding the Criteria for Intervention in Large Vessel Occlusion with Low ASPECTS Score
Paige Banyas, DO
- 11:20 a.m. Low-Field MRI for Diagnosis of Stroke Care: Revolutionizing Detection, Diagnosis, and Intervention
David Wang, DO
- 11:30 a.m. Novel Anticoagulation with Factor 11A Inhibitors. Is that the future?
Vijay Swarup, MD
- 11:40 a.m. Questions and Comments
Panelists: *Drs. David Wang, Chowdhury Ahsan, Saibal Kar, Paige Banyas, Vijay Swarup, & Deanne Sasaki-Adams*

12 Noon Lunch

Session IV: Syncope, Cardiac Arrest, Heart Failure, and Amyloid Disease: Intersecting Pathologies of the Brain and Heart

Moderators: Drs. David Kenigsberg & Chowdhury Ahsan

- 1 p.m. The Brain's in Charge: Basic Understanding of the Sympathetic and Parasympathetic Nervous Systems
Justin Hoskin, MD
- 1:10 p.m. The Heart's in Charge: The Concept of the Little Brain on the Heart - The Intrinsic Cardiac Nervous System
Robert Lemery, MD
- 1:20 p.m. Neuro-Cardiogenic Syncope and Dysautonomia: Advanced Insights into Autonomic Dysfunction and Comprehensive Management Strategies
Win Shen, MD
- 1:30 p.m. Cardiogenic Syncope and Sudden Cardiac Death: New Leadless Pacing and Extravascular ICD technologies (No CME)
Sudarone Thihalolipavan, MD
- 1:40 p.m. Sudden Unexpected Death: Unraveling the Brain's Role in Fatal Outcomes
David Harris, MD
- 1:50 p.m. Amyloid Disease in the Brain and Heart: Strategies for Removing Beta Amyloid in Neurodegenerative Disorders
Yonas Geda, MD
- 2 p.m. Amyloid Disease in the Brain and Heart: Stabilizing Transthyretin Protein in Cardiac Amyloidosis
Sanjay Malhotra, MD
- 2:10 p.m. Questions and Comments
Panelists: *Drs. Justin Hoskin, Win Shen, Sudarone Thihalolipavan, David Harris, Yonas Geda, Robert Lemery & Sanjay Malhotra*

2:30 p.m. Break

Session V: Bridging Neurology and Cardiology: Advances in Neuromodulation Therapies

Moderators: Drs. Moussa Mansour & Selina Parveen

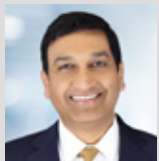
- 2:40 p.m. Deep Brain Stimulation for Essential Tremor and Parkinson's Disease
Lin Zhang, MD
- 2:50 p.m. Deep Brain Stimulation: A New Frontier in Stroke Rehabilitation
Christina Kwasnica, MD
- 3 p.m. Cardiac Neuromodulation: Over 50 Years of Success of Sympathetic Denervation for Long QT Syndrome with VT/VF
Robert Lemery MD

- 3:10 p.m. Neuromodulation for PVC's, VT, and VF in Patients with Structural Heart Disease: Anesthesia, Stellate Ganglion Block, and Thoracoscopic Cardiac Sympathetic Denervation
Dhanunjaya Lakkireddy, MD
- 3:20 p.m. Neuromodulation in Congestive Heart Failure: Carotid Baroreceptor Stimulation and Cardiac Contractility Modulation (No CME)
David Kenigsberg, MD
- 3:30 p.m. Neuromodulation for AF: Ablation of Cardiac Nerves and Ganglia, and Tragus Nerve Stimulation
Sri Sundaram, MD
- 3:40 p.m. Neuromodulation for Syncope: Cardiac Ablation to Treat Syncope
Win Shen, MD
- 3:50 p.m. Questions and Comments
Panelists: *Drs. Lin Zhang, Christina Kwasnica, Robert Lemery, Dhanunjaya Lakkireddy, David Kenigsberg, Sri Sundaram, & Win Shen.*

Session VI: Innovations in Cardiovascular and Neurological Care: AI, Ambulatory Surgery Centers, Arrhythmia Interventions
Moderators: Drs. Devi Nair & Andrea Natale

- 4 p.m. The Promise and Peril of Artificial Intelligence in Invasive Medicine (No CME)
Srijoy Mahapatra, MD
- 4:10 p.m. Pulse Field Ablation of Atrial Fibrillation: New Clinical Trials and Real-World Data
Moussa Mansour, MD
- 4:20 p.m. Ambulatory Surgical Centers and the Future of Arrhythmia Intervention for Stroke Prevention
Vijay Swarup, MD
- 4:30 p.m. The Arrhythmia Intervention Society (AIS): A New Society for Advocacy of Patient Care and Physician Representation
Arash Aryana, MD
- 4:40 p.m. Questions and Comments
Panelists: *Drs. Srijoy Mahapatra, Moussa Mansour, Vijay Swarup & Arash Aryana*
- 4:50 p.m. Concluding Remarks**
David Wang, DO, Vijendra Swarup, MD, Robert Lemery, MD & Chowdhury Ahsan, MD
- 4:55 p.m. Symposium Adjourns**
- 6:30 p.m. Inaugural Arrhythmia Intervention Society (AIS) Dinner Meeting**

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