

5th Annual Stroke and Neurocritical Care Symposium

Advanced Management of Neurological and Neurosurgical Emergencies and Critical Care

Friday, September 22, 2023

CE Accredited Live Activity Provided Jointly by
Rutgers Robert Wood Johnson Medical School
Departments of Neurology and Neurological Surgery
and RWJBarnabas Health

Overview

The 5th Annual Stroke and Neurocritical Care Symposium is designed to provide physicians and allied healthcare professionals with a comprehensive overview on the cutting-edge management for cerebrovascular diseases and neurocritical care including useful information on recognition and treatment of neurological emergencies. Topics to be covered include neurovascular surgery, cerebrovascular emergencies, stroke and neurocritical care. There will be several hot topics presented including intervention for large core, direct admission to angiosuite, tenecteplase for unknown onset, newer endovascular devices and more. In addition, medical crossfire debates, consisting of experts in the field, will provide spirited discussions and debates on a particular clinical issue.

Emphasis will be on providing cutting-edge strategies directed at improving the care of patients with acute neurological and neurosurgical diseases and minimizing secondary brain injuries. Examination of health care delivery, management strategies, and identification of individual thresholds by means of advanced technology will all play important roles. Neurocritical care and research is a multidisciplinary and multiprofessional effort, and neurointensivists are tasked to lead this effort to further advance their field.

Target Audience

This activity is designed for general and consult neurologists, stroke neurologists, neuro-intensivists, general, vascular, spine and trauma neurosurgeons, pulmonary critical care medicine physicians, cardiologist and cardiac surgeons, surgical critical care and general/trauma surgeons, anesthesiology critical care medicine physicians, emergency medicine physicians, critical care registered nurses, neuroscience nurses, acute care nurse practitioners, physician assistants/associates, EMTs and paramedics, pharmacists, and physicians and surgeons in training.



This activity has been endorsed by the Neurocritical Care Society.

Learning Objectives

Upon completion of this activity, participants should be better able to:

- Assess the latest evidence-based medical literature in acute neurological and neurosurgical emergencies including strategies for resuscitating patients with injured brains due to various etiologies
- Review the latest guidelines on ischemic/hemorrhagic stroke, neurotrauma and neuro-intensive care medicine
- Describe the emerging research in neurological and neurosurgical emergencies
- Recognize key methods for treating multiple end organ system failures that occur in patients with acute brain injury
- Discuss the latest trends on acute stroke therapeutics

Accreditation



In support of improving patient care, this activity has been planned and implemented by Rutgers Biomedical and Health Sciences and RWJBarnabas Health. Rutgers Biomedical and Health Sciences is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians: Rutgers Biomedical and Health Sciences designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: This activity is awarded 7.25 ANCC contact hours. Nurses should only claim those contact hours actually spent participating in the activity.



Physician Assistants: Rutgers Biomedical and Health Sciences has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 7.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Method of Participation

In order to meet the learning objectives and receive continuing education credits, participants are expected to register for the activity, check in at the registration desk, attend the program and complete an online evaluation form at the conclusion of the activity. A CE certificate will be emailed to participants upon completion of the online evaluation.

Activity Director

Kiwon Lee, MD

Professor, Chief of Stroke and Neurocritical Care Division, Department of Neurology, Professor of Neurosurgery, Rutgers Robert Wood Johnson Medical School; Director of Comprehensive Stroke Center and Neurocritical Care Unit, Robert Wood Johnson University Hospital, New Brunswick, NJ

Guest Speaker

Tiffany R. Chang, MD

Associate Professor of Neurosurgery and Neurology, Director of Neurocritical Care Fellowship Program, Vivian L. Smith Department of Neurosurgery, McGovern Medical School, University of Texas Houston

P. Roc Chen, MD

Memorial Hermann Chair, Professor, Vice Chair, Cerebrovascular Research, Director of Cerebrovascular and Endovascular Fellowship Program, Vivian L. Smith Department of Neurosurgery, McGovern Medical School, University of Texas Houston

Tudor G. Jovin, MD

Professor and Chair of Neurology, Professor of Neurosurgery, Cooper Medical School of Rowan University; Chair and Chief of Neurology, Cooper University Health Care

Rutgers Robert Wood Johnson Medical School and Robert Wood Johnson University Hospital/RWJBarnabas Health Faculty

Roger C. Cheng, MD

Assistant Professor of Neurology, Division of Stroke and Neurocritical Care

Ram C. Gowda, MD

Assistant Professor of Neurology, Division of Stroke and Neurocritical Care

Gaurav Gupta, MD

Associate Professor of Neurology and Neurosurgery, Director, Cerebrovascular and Endovascular Neurosurgery

Joseph S. Hanna, MD

Assistant Professor of Surgery, Rutgers Robert Wood Johnson Medical School; Interim Associate Chief Quality Officer, Robert Wood Johnson University Hospital

Bhavika Kakadia, DO

Assistant Professor of Neurology, Division of Stroke and Neurocritical Care

Deviyani Mehta, MD

Associate Professor of Neurology, Associate Program Director, Neurology Residency, Director of Vascular Neurology Fellowship, Division of Stroke and Neurocritical Care

Emad Nourollah-Zadeh, MD

Assistant Professor of Neurology, Division of Stroke and Neurocritical Care

Sudipta (Sid) Roychowdhury, MD

Clinical Professor of Radiology, Neurosurgery and Neurology, Director of Interventional Neuroradiology, Rutgers Robert Wood Johnson Medical School; Director of Magnetic Resonance Imaging, University Radiology Group

Igor Rybinnik, MD

Associate Professor of Neurology, Division of Stroke and Neurocritical Care

Srihari (Sri) Sundararajan, MD

Clinical Assistant Professor of Radiology, Rutgers Robert Wood Johnson Medical School; Neurointerventional Radiologist, University Radiology Group

Agenda

7:00 a.m.	Registration/Continental Breakfast/Exhibits
7:50 a.m.	Welcome Remarks Kiwon Lee, MD
Session 1:	Neurosurgery and Intervention Moderator: Kiwon Lee, MD
8:00 a.m.	Conquering the Wide-Neck Brain Aneurysms with Newer Devices Sudipta (Sid) Roychowdhury, MD
8:20 a.m.	Intervention for Acute Carotid Artery Tandem Lesions Srihari (Sri) Sundararajan, MD
8:40 a.m.	Middle Meningeal Artery Embolization for Subdural Hematoma Gaurav Gupta, MD
9:00 a.m.	Brain Aneurysm Surgery: Welcome to 2023 P. Roc Chen, MD
9:20 a.m.	Thrombectomy for 6 to 24 Hours after Stroke Due to Basilar Artery Occlusion Tudor G. Jovin, MD
9:40 a.m.	Panel Discussion / Q&A
10:05 a.m.	Refreshment Break/Exhibits
Session 2:	Comprehensive Stroke Care Moderator: Igor Rybinnik, MD
10:25 a.m.	Intervention for Large Core: When to Really Do It Igor Rybinnik, MD
10:45 a.m.	ICH Management: Blood Pressure and Coagulopathy Tiffany Chang, MD
11:05 a.m.	Wake-up Stroke, PRISMS, SELECT-2 and TIMELESS Deviyani Mehta, MD
11:25 a.m.	Panel Discussion / Q&A
11:50 a.m.	Lunch/Exhibits
Session 3:	Special Lectures and Neuroscience Award Presentation Moderator: Kiwon Lee, MD
12:50 p.m.	Direct Transfer to Angiosuite Triage Strategy Tudor G. Jovin, MD
1:20 p.m.	Arteriovenous Malformation: Opening Up the Pandora's Box P. Roc Chen, MD
1:50 p.m.	Neuroscience Award Presentation Adam Ganzman, MSN, RN, APN-BC
2:00 p.m.	Panel Discussion / Q&A
2:25 pm	Refreshment Break/Exhibits
Session 4:	Critical Care Medicine for Neuro Patients Moderator: Roger C. Cheng, MD
2:45 p.m.	Shock State Management: Get to the Basics Roger C. Cheng, MD
3:05 p.m.	Rising Belly: What to Do with These Abdominal Distention Joseph S. Hanna, MD, PhD
3:25 p.m.	Thromboelastography for Bleeding Patients Tiffany R. Chang, MD
3:45 p.m.	State-of-the-Art TBI Resuscitation: Pressure, Oxygen and Predictors Kiwon Lee, MD
4:05 p.m.	Panel Discussion / Q&A
4:30 p.m.	Break

Session 5:	Expert Medical Crossfire Debates: Hot Topics in Neurocritical Care	
 Moderator: Kiwon Lee, MD	
4:40 p.m.	Debate 1: Are We Really Going to Do Mechanical Thrombectomy of ASPECTS Less Than 6?	
	Yes: Bhavika Kakadia, MD	No: Ram C. Gowda, MD
5:00 p.m.	Debate 2: Patient is Having Flow Failure Induced L MCA Syndrome Due to Complete Occlusion of LICA but Open L M1. Do You Do Emergent Angioplasty and Stenting?	
	Yes: Emad Nourollah-Zadeh, MD	No: Igor Rybinnik, MD
5:20 p.m.	Adjourn	

Peer Review

In order to help ensure content objectivity, independence, and fair balance, and to ensure that the content is aligned with the interest of the public, Rutgers Biomedical and Health Sciences (RBHS) has resolved all potential and real conflicts of interest through content review by non-conflicted, qualified reviewers. This activity was peer-reviewed for relevance, accuracy of content, and balance of presentation by:

Adam Ganzman, MSN, RN, APN-BC, ANVP-BC SCRNP, EMT-B, Director of Neuroscience, Robert Wood Johnson University Hospital

Kimberly Hollender, MSN, RN, ACNP-BC, ANVP, APN Coordinator, Stroke Center, Robert Wood Johnson University Hospital

Tiffany Eden, MS, PA-C, Physician Assistant, Neurocritical Care, Robert Wood Johnson University Hospital

Disclosure Declarations

In accordance with the disclosure policies of RBHS and to conform with Joint Accreditation requirements and FDA guidelines, individuals in a position to control the content of this educational activity are required to disclose to the activity participants: 1) the existence of any relevant financial relationship with any ineligible company, i.e., a company whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients, within the past 24 months; and 2) the identification of a commercial product/device that is unlabeled for use or an investigational use of a product/device not yet approved. All of the relevant financial relationships listed have been mitigated.

Faculty

The following faculty have no relevant financial relationships with ineligible companies to disclose:

Tiffany R. Chang, MD	Bhavika Kakadia, DO	Sudipta Roychowdhury, MD
Ram C. Gowda, MD	Kiwon Lee, MD	Igor Rybinnik, MD
Gaurav Gupta, MD	Deviyani Mehta, MD	Srihari Sundararajan, MD
Joseph S. Hanna, MD, PhD	Emad Nourollah-Zadeh, MD	

The following faculty have relevant financial relationships with ineligible companies:

P. Roc Chen, MD: *Grant/Research Support*: Balt USA, Stryker
 Roger C. Cheng, MD: *Consultant*: Biogen; *Stocks/Stock Options*: Johnson & Johnson
 Tudor G. Jovin, MD: *Member, Steering Committee/DSMB*: Cerenovus; *Member, Screening Committee*: ContegoMedical; *Principal Investigator*: Stryker Neurovascular; *Consultant/Member, Advisory Board*: Anaconda, Blockade Medical, FreeOx Biomedical Galaxy, Kandu, Route 92 Medical, Viz.ai; *Grant/Research Support*: Medtronic

Reviewers

The following reviewers have no relevant financial relationships with ineligible companies to disclose:

Kimberly Hollender, MSN, RN, ACNP-BC, ANVP

Tiffany Eden, MS, PA-C

Adam Ganzman, MSN, RN, APN-BC, ANVP-BC SCRNP, EMT-B has the following relevant financial relationships with ineligible companies: *Consultant*: Medtronic

RBHS Center for Continuing and Outreach Education Staff

Patrick Dwyer, Director, Continuing Medical Education, and Keisha Ferguson, Program Support Coordinator, have no relevant financial relationships with ineligible companies to disclose.

Off-Label/Investigational Use

Speakers are required to disclose discussion of off-label/investigational uses of commercial products/devices in their presentation. These disclosures will be made to the audience at the time of the activity.

Audience Handouts

There will be no handouts provided at the activity. Speaker slide presentations are available online at:

<https://sites.rutgers.edu/ccoe/24MR02/>

**Evaluation and CE Certificates**

Following the program, we ask that you take a few moments to complete the on-line evaluation to assist us in assessing the effectiveness of this activity and to make recommendations for future educational offerings. Your response will help ensure that future programs are informative and meet the educational needs of all participants.

In order to obtain a CE certificate, you must complete the on-line evaluation. The evaluation and certificates are ONLY available online.

An email will be sent to you no later than Wednesday, September 27, 2023 with instructions for accessing the evaluation and obtaining your CE certificate.

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It should be noted that the recommendations made herein with regard to the use of therapeutic agents, varying disease states, and assessments of risk, are based upon a combination of clinical trials, current guidelines, and the clinical practice experience of the participating presenters. The drug selection and dosage information presented in this activity are believed to be accurate. However, participants are urged to consult all available data on products or procedures before using them in clinical practice.

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Supporters

This activity is supported in part by educational grants from

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