



THE THIRD ANNUAL
**Stroke and
Neurocritical
Care Symposium**

*Extending the Windows and
Saving Lives Beyond Expectation*

Friday, October 8, 2021
Live Virtual CME/CE Activity

**RWJBarnabas
HEALTH**

RUTGERS
BIOMEDICAL AND
HEALTH SCIENCES

2021 HIGHLIGHTS

Wake up stroke:

- TPA is no longer for just 4.5 hour

Use the newer and better thrombolytic therapy:

- How we switched from alteplase to tenecteplase

Renal replacement therapy:

- We understand early makes no sense but how late is too late?

Hypothermia and temperature management:

- Is it dead?

Hot topics and controversies:

- How to make decisions on complex cases when there are no class I recommendations available



COURSE DIRECTORS' MESSAGE

Welcome to our third annual CME course on Stroke and Neurocritical Care (SNCC): *Extending the Windows and Saving Lives Beyond Expectation*. For safety, this year's symposium will again be virtual.

There are several hot topics including the new TPA, tenecteplase, administering IV thrombolytic therapy for strokes with unknown onset as well as the new RCT data from TTM-2.

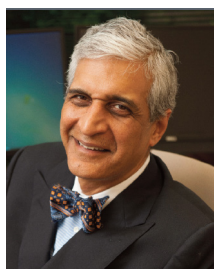
In addition, emphasis will be on improving care for the primary neurocritical condition, better recognition, prevention, and correction of medical complications and secondary brain injury. Examination of health care delivery, management strategies, and identification of individual thresholds by means 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.

Please join us for this exciting third annual CME program on Stroke and Neurocritical Care!



Kiwon Lee, MD, FACP, FAHA, FCCM

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Peter W. Carmel M.D. Endowed Chair of Neurological Surgery
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COURSE DESCRIPTION

The third annual Stroke and Neurocritical Care (SNCC) Symposium is designed to provide physicians and allied healthcare professionals a comprehensive overview on the cutting-edge management for cerebrovascular diseases and neurocritical care. Topics to be covered include neurovascular surgery, cerebrovascular emergencies and neurocritical care. In addition, medical crossfire debates, consisting of experts in the field, will provide spirited discussions and debates on a particular clinical issue.

LEARNING OBJECTIVES

Upon completion of this activity, participants should be 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.
- ▶ Discuss latest evidence on acute stroke therapeutics including the use of thrombolysis for patients with unknown onset of stroke and new TNK as alternative to alteplase.
- ▶ 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.
- ▶ Review the latest international guidelines on ischemic/hemorrhagic stroke, neurotrauma and neuro-intensive care medicine.

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, 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, EMTs and paramedics, pharmacists, and physicians and surgeons in training.

KEYNOTE SPEAKER

Niklas Nielsen, MD, PhD, DEAA, EDIC

Associate Professor, Department of Clinical Sciences, Lund University
Consultant Anesthesiology and Intensive Care, Helsingborg Hospital
Lund, Sweden

INVITED GUEST FACULTY SPEAKER

Christopher Kellner, MD

Assistant Professor, Department of Neurological Surgery
Mount Sinai School of Medicine
New York, New York

RUTGERS BIOMEDICAL AND HEALTH SCIENCES AND ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL SPEAKERS

Roger Cheng, MD

Assistant Professor of Neurology
Division of Stroke and Neurocritical Care
Rutgers Robert Wood Johnson Medical School
Robert Wood Johnson University Hospital

Ram Gowda, MD

Assistant Professor of Neurology
Division of Stroke and Neurocritical Care
Rutgers Robert Wood Johnson Medical School
Robert Wood Johnson University Hospital

Brad Kamitaki, MD

Assistant Professor of Neurology
Rutgers Robert Wood Johnson Medical School
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Priyank Khandelwal, MD

Assistant Professor of Neurology and Neurosurgery
Rutgers New Jersey Medical School

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Margaret Pain, MD

Assistant Professor of Neurology and Neurosurgery
Rutgers Robert Wood Johnson Medical School
Robert Wood Johnson University Hospital

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
Rutgers Robert Wood Johnson Medical School
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Hai Sun, MD, PhD

Associate Professor of Neurosurgery
Rutgers Robert Wood Johnson Medical School
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Faculty Disclosure: All individuals who affect the content of continuing education activities are required to disclose to the audience any real or apparent conflict of interest related to the activity. The activity faculty are further required to disclose discussion of off-label/investigational uses in their presentations. These disclosures will be made to the audience at the time of the activity.

2021 SYMPOSIUM AGENDA

Extending the Windows and Saving Lives Beyond Expectation

7:45 a.m. **Login / Virtual Exhibit Hall**

7:55 a.m. **Welcome Remarks**
Kiwon Lee, MD

Session 1: Neurovascular Surgery and Intervention

Moderator: Hai Sun, MD, PhD

8:00 a.m. **Got Aneurysm? Neuroimaging Artifacts and Pitfalls in Cerebral Aneurysm Diagnosis**
Sudipta Roychowdhury, MD

8:20 a.m. **Post COVID Vaccine Thrombotic Complications: Can We Do Mechanical Thrombectomy!**
Priyank Khandelwal, MD

8:40 a.m. **Surgery for Aneurysms That Are Not Amenable to Endovascular Approach**
Hai Sun, MD, PhD

9:00 a.m. **Emergent Minimally Invasive ICH Evacuation: Translating Advances in Stroke Care to ICH**
Christopher Kellner, MD

9:20 a.m. **Brain Aneurysm: Rapture in the Face of Gorgon**
Anil Nanda, MD, MPH

9:40 a.m. Panel Discussion / Q&A

9:50 a.m. Break and Virtual Exhibit Hall

Session 2: Cerebrovascular Emergencies

Moderator: Kiwon Lee, MD

10:05 a.m. **Management of Unruptured Cerebral Aneurysms**
Emad Nourollah-Zadeh, MD

10:25 a.m. **Poor Grade SAH: The Battle Actually Begins after Securing the Ruptured Aneurysms**
Kiwon Lee, MD

10:45 a.m. **Intracerebral Hemorrhage: Does the Intervention Work?**
Ram Gowda, MD

11:05 a.m. **Thrombolysis for Unknown Onset**
Raymond Mirasol, MD

11:25 a.m. **Tenecteplase: Why and How**
Deviyani Mehta, MD

11:45 a.m. **Keynote Presentation:**
Niklas Nielsen, MD
TTM after Cardiac Arrest - The New TTM-2 Results

12:15 p.m. Panel Discussion / Q&A

12:25 p.m. Break and Virtual Exhibit Hall

Session 3: Critical Care Medicine for Neuro Patients

Moderator: Emad Nourollah-Zadeh, MD

1:30 p.m. **Brain Oximetry: Pinnacle of Multimodality Monitoring**
Margaret Pain, MD

1:50 p.m. **Renal Replacement Therapy: Early Doesn't Help But How Late Is Too Late?**
Roger Cheng, MD

2:10 p.m. **ARDS: This is How I Manage It**
Ram Gowda, MD

2:30 p.m. **EEG for Critically Ill and Comatose Patients**
Brad Kamitaki, MD

2:50 p.m. **Acute Carotid and Vertebral Dissections: How to Detect and Manage**
Igor Rybinnik, MD

3:10 p.m. Panel Discussion / Q&A

3:20 p.m. Break and Virtual Exhibit Hall

Session 4: Expert Medical Crossfire Debates

Real-life questions, Real-life answers. We need answers for decision-making process, *before* randomized controlled trials present class I evidence.

Moderator: Roger Cheng, MD

3:35 p.m. **ROUND 1**
"Neuro patients who failed extubation once need to be extubated again to give them another chance"
Yes: Roger Cheng, MD
No: Kiwon Lee, MD

4:00 p.m. **ROUND 2**
"There still may be a role for hypothermia after cardiac arrest"
Yes: Ram Gowda, MD
No: Kiwon Lee, MD

4:25 p.m. **Closing remarks and information on next year's meeting**
Kiwon Lee, MD

GENERAL INFORMATION

Registration Fee: Complimentary

Pre-registration is required.

Registration for the symposium can only be accepted through our secure online website until October 5, 2021.

To Register: <https://rutgers.cloud-cme.com/2021SNCCSymposium>

Confirmation

Once registered, you will receive an email confirmation. As the activity approaches, you will receive additional information to assist you with your plans to participate in this activity.

Course Material

In an effort to provide the most complete materials to attendees and conserve resources, PDF versions of the lecture slides will be made available online to registered attendees. Additional information will be provided in future confirmation communication.

Virtual Live Meeting via WebEx

Additional information and instructions for WebEx access will be emailed to registrants the week of October 4, 2021.

Accreditation



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

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 6.75 *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 6.75 contact hours (60-minute CH). 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 6.75 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 credit, participants are expected to formally register for the activity, watch the webinar and complete an online evaluation at the conclusion of the activity. A letter certifying attendance and credit verification will be emailed to participants upon completion of the online evaluation.

For any other questions, concerns, or if you require special arrangements to attend this activity, please contact CCOE by email at ccoe@rbhs.rutgers.edu.

Rutgers and RWJBarnabas Health reserve the right to modify program content, faculty and program activities. It also reserves the right to cancel the activity if necessary.

2021 ANNUAL MEETING COMMITTEE

Kiwon Lee, MD, FACP, FAHA, FCCM

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Gaurav Gupta, MD

Igor Rybinnik, MD

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