



**RWJBarnabas**  
HEALTH

**RUTGERS**  
BIOMEDICAL AND  
HEALTH SCIENCES

PRESENT THE  
SECOND ANNUAL

# Stroke and Neurocritical Care Symposium

*Neuro-Emergencies During the Pandemic*

Friday, November 6, 2020

*Virtual CME /CE Activity*

## 2020 HIGHLIGHTS

### Vascular complications associated with COVID-19:

- How to recognize and treat them

### Cutting-edge neurovascular intervention updates:

- Endovascular interventions using the latest new devices

### Heart-brain:

- Advanced hemodynamic management for severe brain injury
- Neurovascular diseases related to heart disease

### 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 second annual CME course on Stroke and Neurocritical Care (SNCC): Advanced Neurological and Neurosurgical Emergencies and Critical Care. This year has been extremely challenging for healthcare providers due to the pandemic. The symposium this year will be conducted virtually, taking place over the course of one day, dedicated to cutting-edge medicine and addressing various types of vascular complications that are associated with COVID-19.

We will hear the opinions of experts on important topics, providing a paucity of data from randomized controlled trials. Although the field has brought advances toward improving outcomes for patients who are neurocritically ill, in many instances, especially functional, outcomes remain poor. 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 healthcare 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 second annual CME program on Stroke and Neurocritical Care!**



**Kiwon Lee, MD, FACP, FAHA, FCCM**

*Professor and Chief of Service, Department of Neurology  
Chief of Stroke and Neurocritical Care Division  
Director of Comprehensive Stroke Center and Neurocritical Care Unit  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital*



**Anil Nanda, MD, MPH, FACS**

*Professor and Chair, Department of Neurosurgery  
Rutgers, The State University of New Jersey  
New Jersey Medical School & Robert Wood Johnson Medical School  
Peter W. Carmel M.D. Endowed Chair of Neurological Surgery  
Senior Vice President of Neurosurgical Services  
RWJBarnabas Health*

## PROGRAM DESCRIPTION AND OBJECTIVES

This second 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 including useful information on recognition and treatment of neurological emergencies that are related to COVID-19. Topics to be covered include neurovascular surgery, cerebrovascular emergencies, and neurocritical care. In addition, medical crossfire debates from experts in the field, will provide spirited discussion and debates on a particular critical issue.

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

- ▶ Assess the latest evidence-based medical literature in acute neurological and neurosurgical emergencies and how to resuscitate patients with injured brains due to various etiologies.
- ▶ Discuss latest trends in acute stroke therapeutics.
- ▶ 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 guidelines on ischemic/hemorrhagic stroke, neurotrauma and neuro-intensive care medicine.
- ▶ Evaluate expert recommendations for recognizing and treating vascular and other neurological complications that are associated with COVID-19.

## TARGET AUDIENCE

This activity is designed for physicians, surgeons, advanced practice nurses, nurses, physician assistants, residents and fellows, paramedics, and emergency medical technicians working in the fields of anesthesiology, critical care, emergency medicine, hospital medicine, neurology, neurosurgery, physical and rehabilitation medicine, pulmonary, trauma, and vascular medicine, neurosurgery, and surgery whose practice focuses on the diagnosis, management, and treatment of patients with neurological and neurosurgical emergencies.

## KEYNOTE SPEAKER

### **Tudor G. Jovin, MD**

Professor and Chair, Department of Neurology, Cooper Medical School of Rowan University  
Chair, Department of Neurology, Cooper University Hospital  
Director, Cooper Neurological Institute, Cooper University Health Care

## 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

### **Gaurav Gupta, MD**

Associate Professor of Neurosurgery  
Director, Cerebrovascular and  
Endovascular Neurosurgery  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital

### **Stephen Johnson, MD**

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

### **Priyank Khandelwal, MD**

Assistant Professor of Neurology and Neurosurgery  
Rutgers New Jersey Medical School

### **Kiwon Lee, MD, FACP, FAHA, FCCM**

Professor and Chief of Service  
Department of Neurology  
Chief of Stroke and Neurocritical Care Division  
Director of Comprehensive Stroke Center  
and Neurocritical Care Unit  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital

### **Deviyani Mehta, MD**

Associate Professor of Neurology  
Associate Program Director, Neurology Residency  
Site Fellowship Director, Vascular Neurology  
Division of Stroke and Neurocritical Care  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital

### **Raymond Mirasol, MD**

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

### **Anil Nanda, MD, MPH, FACS**

Professor and Chairman  
Department of Neurosurgery  
Rutgers New Jersey Medical School and  
Rutgers Robert Wood Johnson Medical School  
Peter W. Carmel M.D. Endowed  
Chair of Neurological Surgery  
Senior Vice President of Neurosurgical Services  
RWJBarnabas Health

### **Emad Nourollah-Zadeh, MD**

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

### **Hai Sun, MD, PhD**

Associate Professor of Neurosurgery  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital

### **Stephen Wong, MD**

Associate Professor of Neurology  
Chief, Division of Epilepsy  
Rutgers Robert Wood Johnson Medical School  
Robert Wood Johnson University Hospital

**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.



# 2020 SYMPOSIUM AGENDA

## Neuro-Emergencies During the Pandemic

8:00 a.m. **Welcome Remarks**  
Kiwon Lee, MD

### Neurovascular Surgery and Intervention

**Moderator: Anil Nanda, MD, MPH**

8:00 a.m. **Mechanical Thrombectomy:  
How to Select the Right Patients and  
How to Use Alternative Vascular Access**  
Priyank Khandelwal, MD

8:20 a.m. **Medical Malpractice Issues in  
Endovascular Stroke Treatment: Be Aware!**  
Sudipta Roychowdhury, MD

8:40 a.m. **Hemicraniectomy: When Should You Do It?**  
Steve Johnson, MD

9:00 a.m. **Advanced Endovascular Intervention  
for Aneurysms and AVMs**  
Gaurav Gupta, MD

9:20 a.m. **Skull Base Surgery: Resisting the Siren Song**  
Anil Nanda, MD, MPH

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

9:50 a.m. **Break / Virtual Exhibit Hall**

### Cerebrovascular Emergencies

**Moderator: Kiwon Lee, MD**

10:10 a.m. **Extended Window Treatment, Angioplasty  
and Approach for Tandem Lesions**  
Emad Nourollah-Zadeh, MD

10:30 a.m. **Poor Grade SAH: How to Resuscitate  
and Save Lives Beyond Expectation**  
Kiwon Lee, MD

10:50 a.m. **Intracerebral Hemorrhage:  
Medical and Surgical Therapies**  
Ram Gowda, MD

11:10 a.m. **Controversies in Management for  
Acute Ischemic Stroke**  
Raymond Mirasol, MD

11:30 a.m. **Neurovascular Complications during  
the Pandemic**  
Deviyani Mehta, MD

11:50 a.m. **Keynote Presentation:  
Tudor Jovin, MD**  
**Stroke Interventions:  
The Current and Future Therapies**

12:20 p.m. **Panel Discussion / Q&A**

12:30 p.m. **Break / Virtual Exhibit Hall**

### Critical Care Medicine for Neuro Patients

**Moderator: Ram Gowda, MD**

12:50 p.m. **Refractory Vasospasm:  
Recognition and Treatment Options**  
Hai Sun, MD, PhD

1:10 p.m. **How to Manage Severe Traumatic Brain Injury**  
Roger Cheng, MD

1:30 p.m. **Ventilator Strategies for Acute Brain Injury**  
Ram Gowda, MD

1:50 p.m. **Status Epilepticus and Other Critical Care EEG**  
Stephen Wong, MD

2:10 p.m. **Anticoagulation for Atrial Fibrillation:  
Timing and Selecting the Right Agent**  
Igor Rybinnik, MD

2:30 p.m. **Panel Discussion / Q&A**

2:40 p.m. **Break / Virtual Exhibit Hall**

### Expert Medicine 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**

3:00 p.m. **ROUND 1**  
"Patients with LVO but NIHSS Less than 6 Should be Treated with Mechanical Thrombectomy"  
**Yes:** Hai Sun, MD, PhD  
**No:** Emad Nourollah-Zadeh, MD

3:25 p.m. **ROUND 2**  
"Given Phase 3 Study Evidence, Minimally Invasive Evacuation of ICH Should be Performed as Standard of Care for all Eligible Patients"  
**Yes:** Gaurav Gupta, MD  
**No:** Steve Johnson, MD

3:50 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 November 3, 2020.

To Register: [rutgers.cloud-cme.com/2020SNCCSymposium](https://rutgers.cloud-cme.com/2020SNCCSymposium)

### 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 on-line 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 November 2, 2020.



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 RWJ Barnabas 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 the online evaluation form at the conclusion of the activity. A CE certificate will be emailed to participants upon completion of the online evaluation survey.

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](mailto: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.

## 2020 ANNUAL MEETING COMMITTEE

Kiwon Lee, MD, FACP, FAHA, FCCM

Anil Nanda, MD, MPH, FACS

Gaurav Gupta, MD

Igor Rybinnik, MD

Deviyani Mehta, MD

James Andrews, MHL

David Holler

Kimberly Hollender, MSN, ACNP-BC

Devon Orzano, MSN, ACNP-BC

Alice Edwards, MSPA-C

Patrick Dwyer, Director of CME

Melissa Ruzbarsky, Sr. Marketing Manager