

THE FOURTH ANNUAL Stroke and Neurocritical Care Symposium

*Advanced Management of
Neurological and Neurosurgical
Emergencies and Critical Care*

October 7-8, 2022

Hyatt Regency

Two Albany Street, New Brunswick, NJ 08901

CME/CE Activity

RWJBarnabas
HEALTH

RUTGERS
BIOMEDICAL AND
HEALTH SCIENCES

2022 HIGHLIGHTS

Stroke with unknown onset:

- TPA is no longer for just 4.5 hours

Use the newer and better thrombolytic therapy:

- HOW and WHY we switched from alteplase to tenecteplase
- Our efficacy and safety data

Blood pressure management for ICH:

- Think before you lower that blood pressure

Hypothermia and temperature management:

- Are we still going to say hypothermia is a good thing?

Minimally invasive surgery for intracerebral hemorrhage:

- How do you choose between MISTIE catheter and endoscope?

Status epilepticus:

- It's no longer just lorazepam and then phenytoin load

Heart, neck and brain:

- WATCHMAN, PFO closure, TCAR, MCOT and ICM

Neurotrauma:

- What's new in resuscitating the traumatic brain injury patient?

Workshop:

- Interactive sessions for special topics in neuro emergencies

Scan QR Code



to Register

For additional information,
visit:

<https://rutgers.cloud-cme.com/2022SNCCSymposium>

SYMPOSIUM OVERVIEW

COURSE DIRECTOR'S MESSAGE

Welcome to our fourth annual CME course on Stroke and Neurocritical Care (SNCC): Advanced Neurological and Neurosurgical Emergencies and Critical Care. After years of virtual platforms, this year will finally be live, in-person.

There are several hot topics including tenecteplase, ICH surgery, neurotrauma, TTM, heart-brain interactions and more. Back by popular demand, we will provide small group workshops for special topics including code strokes for the ER, neurocritical care APP fellowship and neurointervention.

In addition, emphasis will be on providing cutting-edge strategies for patients with acute neurological and neurosurgical diseases and minimizing secondary brain injuries. 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, fourth annual CME program on Stroke and Neurocritical Care!



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

Professor of Neurology and Neurosurgery, Chief of Stroke and Neurocritical Care Division
Chief of Neurology Services, Director of Comprehensive Stroke Center and Director of Neuro-Intensive Care Unit
Rutgers, The State University of New Jersey
Rutgers Robert Wood Johnson Medical School
Robert Wood Johnson University Hospital

GUEST FACULTY



Neeraj Badjatia, MD, MSc

Professor and Vice Chair
Director, Division of Neurocritical Care
and Emergency Neurology
Department of Neurology
University of Maryland School of Medicine
Baltimore, Maryland



Fred Rincon, MD, MSc, MBE, MBA, FACP,
FCCP, FCCM

Professor of Neurology
Director, NeuroIntensive Care Unit
Cooper University Health Care
Cooper Medical School of Rowan University
Camden, New Jersey



Umesh Gidwani, MD

Chief, Cardiac Critical Care
Zena and Michael A. Wiener
Cardiovascular Institute
Icahn School of Medicine at Mount Sinai
New York, New York



Edwin Wu, MD

Neurointensivist
Miami Neuroscience Institute
Baptist Hospital
Baptist Health South Florida
Miami, Florida

COURSE DESCRIPTION

The fourth 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. This highly interactive conference will cover important clinical topics in cerebrovascular emergencies, neurocritical care and neurovascular surgery. 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
- ▶ 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

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

GENERAL INFORMATION

| Registration Fees | Early Bird (Through 9/7) | Registration (After 9/7) |
|--|--------------------------|--------------------------|
| Physician | \$400 | \$450 |
| Other Healthcare Professional/Provider | \$320 | \$370 |
| RBHS/RWJBH Faculty/Staff | \$275 | \$325 |
| Industry, hospital administrator, non-medical provider | \$600 | \$650 |
| Resident/Fellow in Training/Healthcare Student* | Complimentary | Complimentary |

* Registration must be accompanied by program director's letter confirming resident/fellow/student status. Please upload your letter when registering or email it to ccoe@rbhs.rutgers.edu.

Registrants may be asked to furnish documentation confirming their employment status in order to be eligible for a reduced rate. If it is determined that a registrant does not meet the eligibility criteria, the registrant will be required to pay the necessary tuition fee.

Registration fee includes continental breakfasts, refreshment breaks, one lunch, continuing education credits, and course material. Registration for the symposium can only be accepted through our secure online website until **October 4, 2022**.

Pre-registration is recommended. On-site registration will be accommodated on a space available basis.

Confirmation

Once registered, you will receive a confirmation message and additional information to assist you with your plans to participate in this activity.

Cancellation/Refund

A full refund, less a \$25 cancellation fee, will be granted if notice is received no later than **October 6, 2022**. Refunds will not be issued for any cancellation received after October 6, 2022 and cannot be given for no shows. To cancel, email your cancellation request to ccoe@rbhs.rutgers.edu.

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.



For hotel reservations,
call the hotel directly
at **732-873-1234** or
scan the **QR Code**.

<https://www.hyatt.com/en-US/group-booking/EWRRN/G-RWJB>

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 10.75 *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 10.75 ANCC 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 10.75 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, check in at the registration desk each day of the program, attend the program, and complete the online evaluation at the conclusion of the activity. A CE certificate 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. If the activity is cancelled, liability is limited to the registration fee.

2022 ANNUAL MEETING COMMITTEE

Kiwon Lee, MD, FACP, FAHA, FCCM
Adam Ganzman, MSN, RN, APN-BC
Kimberly Hollender, MSN, RN, ACNP-BC
Patrick Dwyer, Director of CME
Igor Rybinnik, MD
Tiffany Eben, MS, PA-C

Maryann Brookes, BSN, RN, CCRN
Nursing Director, Surgical Trauma and Neurocritical Care Units,
Robert Wood Johnson Univeristy Hospital, New Brunswick, NJ

Roger C. Cheng, MD
Assistant Professor of Neurology,
Division of Stroke and Neurocritical Care,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Florence Chukwuneke, MSN, RN, AGPCNP-BC, CNRN, NVRN-BC
Stroke Nurse Practitioner,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Tiffany Eben, MS, PA-C
Physician Assistant, Neurocritical Care,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Sean Fusco, BSN, RN, CCRN
Nurse Manager, Surgical, Trauma and Neurocritical Care Units,
Robert Wood Johnson Univeristy Hospital, New Brunswick, NJ

Adam Ganzman, MSN, RN, APN-BC
Director of Neuroscience,
Robert Wood Johnson Univeristy Hospital, New Brunswick, NJ

Ram C. Gowda, MD
Assistant Professor of Neurology,
Division of Stroke and Neurocritical Care,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Gaurav Gupta, MD
Associate Professor of Neurosurgery, System Co-Director,
Cerebrovascular and Endovascular Neurosurgery,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

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

Bhavika Kakadia, DO
Assistant Professor of Neurology,
Division of Stroke and Neurocritical Care,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

John Kassotis, MD
Professor of Medicine, Director of Cardiovascular
Fellowship Training Program, Director of Cardiovascular Education,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Priyank K. Khandelwal, MD
Assistant Professor, Department of Neurology and Neurosurgery,
Rutgers New Jersey Medical School, Newark, NJ

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, New Brunswick, NJ

Deviyani Mehta, MD
Associate Professor, Program Director for Neurology Residency
and Vascular Neurology Fellowship, Division of Stroke and
Neurocritical Care, Department of Neurology,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Raymond V. Mirasol, MD
Assistant Professor of Neurology, Division of Stroke and
Neurocritical Care,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

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, New Brunswick, NJ

Keona Phillips, MSN, RN, CCRN, CWOCN, AGACNP-BC
Nurse Manager, Surgical, Trauma and Neurocritical Care Units,
Robert Wood Johnson University Hospital, New Brunswick, NJ

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, New Brunswick, NJ

Igor Rybinnik, MD
Associate Professor, Clerkship Director,
Department of Neurology, Division of Stroke and Neurocritical Care,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Reema Soni, MSN, AGACNP-BC
Lead Advance Practice Provider, Neurocritical Care,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Hai Sun, MD, PhD
Associate Professor, Assistant Director of Research,
Assistant Residency Program Director,
Interim Vice Chair of Clinical Affairs, Interim Chief of Service,
Department of Neurosurgery,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Huong Truong, MD
Assistant Professor of Surgery,
Division of Vascular Surgery and Endovascular Therapy,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Stephen Wong, MD, MS,
Associate Professor of Neurology,
Chief, Division of Epilepsy,
Medical Director of Clinical Neurophysiology,
Rutgers Robert Wood Johnson Medical School,
Robert Wood Johnson University Hospital, New Brunswick, NJ

Faculty Disclosure: The relevant financial relationships of all individuals who affect the content of continuing education activities and any discussion of off-label/investigational uses will be disclosed to the audience at the time of the activity.

Friday, October 7, 2022

7:00 a.m. **Registration/
Continental Breakfast/Exhibits**

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

**Session 1: Neurovascular Surgery and Intervention
Room: Regency ABC**

Moderator: Kiwon Lee, MD

8:30 a.m. **Neuroimaging pitfalls and medico-legal matters: Don't be fooled**
Sudipta Roychowdhury, MD

8:50 a.m. **Image-guided selection for stroke intervention: Extended windows based on tissue clock, not the clock on the wall**
Priyank K. Khandelwal, MD, MBBS

9:10 a.m. **Clip or Coil: Maybe that is the wrong question**
Hai Sun, MD, PhD

9:30 a.m. **Emergent Minimally Invasive ICH Evacuation: MISTIE and Endoscopes**
Gaurav Gupta, MD

9:50 a.m. **Emergent revascularization for symptomatic carotid artery occlusion: We don't walk away from 100% occlusion anymore**
Emad Nourollah-Zadeh, MD

10:10 a.m. **Panel Discussion/Q&A**

10:20 a.m. **Refreshment Break/Exhibits**

**Session 2: Comprehensive Stroke Care
Room: Regency ABC**

Moderator: Igor Rybinnik, MD

10:30 a.m. **Poor Grade SAH: ICP, CPP, EVD, Spasm, Storming and Shunt**
Kiwon Lee, MD

10:50 a.m. **Stroke Research on Neuroimages: Which one tells you the true timing?**
Raymond V. Mirasol, MD

11:10 a.m. **Interpreting CT Perfusion for the Management of Acute Ischemic stroke**
Igor Rybinnik, MD

11:30 a.m. **Conquer Atrial Fibrillation: WATCHMAN, MCOT and ICM**
John Kassotis, MD

11:50 a.m. **Transcarotid Artery Revascularization: CEA, CAS and TCAR**
Huong Truong, MD

12:10 p.m. **Tenecteplase: Do you still have questions?**
Deviyani Mehta, MD

12:30 p.m. **Panel Discussion/Q&A**

12:40 p.m. **Lunch/Exhibits**

**Breakout Session 1: Neurocritical Care Nursing Symposium
Room: Regency ABC**

Moderator: Adam Ganzman, MSN, RN, APN-BC

1:30 p.m. **So, you want to be a neuro ICU nurse?**
Maryann Brookes, BSN, RN, CCRN
Sean Fusco, BSN, RN, CCRN
Keona Phillips, MSN, RN, CCRN, CWOCN,
AGACNP-BC

1:50 p.m. **Clinical Pearls: NIHSS and RACE for Complex Stroke Patients**
Florence Chukwuneke, MSN, RN, AGPCNP-BC,
CNRN, NVRN-BC

2:10 p.m. **Decoding Comprehensive Stroke Metrics: Implications for Nursing Management**
Kimberly Hollender, MSN, RN, ACNP-BC, ANVP

2:30 p.m. **Yellow lights before Red lights: How to avoid disasters before they occur**
Tiffany Eben, MS, PA-C

2:50 p.m. **Brain Code: The Melting Brain**
Kiwon Lee, MD

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

**Breakout Session 2: Code Stroke
Room: Garden State A**

1:30 - 3:00 p.m.

**CODE STROKE workshop:
You will become a member of stroke team in ER**

Presenters: Igor Rybinnik, MD and Bhavika Kakadia, DO

- CT, CTA, CTP and DWI positive but FLAIR negative
- Thrombolysis why, why not
- Interventional case selection: when is it a "GO"

**Breakout Session 3: Neurocritical Care
Room: Garden State B**

1:30 - 3:00 p.m.

**Neurocritical Care Workshop:
Super orientation for Neuro-ICU APPs and Fellows
Get ready to run the Neuro ICU!**

Presenters: Reema Soni, MSN, AGACNP-BC and

- Roger C. Cheng, MD
- SAH, ICH
- Post stroke intervention
- Critical Care 101

Saturday, October 8, 2022

8:00 a.m. **Registration Check-In/
Continental Breakfast/Exhibits
Room: Regency ABC**

8:50 a.m. **Welcome Remarks**
Suhayl Dhib-Jalbut, MD
Professor and Chair, Department of Neurology,
Rutgers New Jersey and
Robert Wood Johnson Medical Schools

**Session 4: Critical Care Medicine for Neuro Patients
Room: Regency ABC**

Moderator: Roger C. Cheng, MD

9:00 a.m. **ARDS and ventilator management**
Ram C. Gowda, MD

9:20 a.m. **Cardiogenic Shock**
Umesh Gidwani, MD

9:40 a.m. **CNS infection**
Fred Rincon, MD, MSc, MBE, MBA, FACP,
FCCP, FCCM

10:00 a.m. **Super Refractory Status Epilepticus**
Stephen Wong, MD

10:20 a.m. **Panel Discussion/Q&A**

10:30 a.m. **Refreshment Break/Exhibits**

**Session 5: Expert Medical Crossfire Debates
Room: Regency ABC**

Controversial topics in neurocritical care

Moderator: Kiwon Lee, MD

10:40 a.m. **Debate 1: How early to start anticoagulation after stroke? Can you give TPA for CT showing subacute stroke?**
Viewpoint 1: Bhavika Kakadia, DO
Viewpoint 2: Raymond Mirasol, MD

11:00 a.m. **Debate 2: We order EEGs all the time. Is it really necessary to put everyone on cEEG?**
Viewpoint 1: Roger C. Cheng, MD
Viewpoint 2: Stephen Wong, MD

11:20 a.m. **Debate 3: Emergent revascularization for symptomatic carotid artery occlusion. Is it time to open up carotids that are 100% occluded?**
Viewpoint 1: Emad Nourollah-Zadeh, MD
Viewpoint 2: Igor Rybinnik, MD

11:40 a.m. **Closing Remarks**

Noon **Meeting Adjourn**