



RWJBarnabas
HEALTH

RUTGERS
BIOMEDICAL AND
HEALTH SCIENCES

PRESENTS

Stroke and Neurocritical Care Symposium

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

Friday, October 4 | 12 to 5 pm

Saturday, October 5 | 7 am to 4:45 pm

*The Westin, Newport Jersey City,
479 Washington Blvd., Jersey City, New Jersey*

COURSE DIRECTORS



Kiwon Lee, MD, FACP, FAHA, FCCM

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



Anil Nanda, MD, MPH, FACS

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



Friday October 4 | 12 pm to 5 pm
Registration And Conference Kick-Off
at Newport Hall

12:00 pm **Registration | Lunch | Exhibits**

12:55 pm **Welcoming remarks**

John J. Gantner, President and Chief Executive Officer
 Robert Wood Johnson University Hospital New Brunswick,
 a RWJBarnabas Health facility

1:00 pm

Course director's welcome
 Kiwon Lee, MD

1:00 pm

Afternoon breakout sessions

AFTERNOON BREAKOUT SESSIONS Following the opening remarks, you have the opportunity to choose between two afternoon breakout sessions based on the subject matter and content of most interest to you. At this time, please select one of the breakout sessions below and begin to make your way to the corresponding location for this next portion of the conference.

At the completion of all breakout sessions, there will be a short break, after which all attendees should reconvene in Newport Hall for the afternoon talks and adjournment.

BREAKOUT SESSION 1 ▶ Basic curriculums nursing conference
at Newport Hall

Moderator: **Kiwon Lee, MD**

1:00 pm **Advanced Neurological Assessment**
The Most Powerful Tool is Your Neuro Exam!
 Kiwon Lee, MD

1:20 pm **Herniation and Brain Code:**
What is a Brain Code?
 Devon Orzano, MSN, ACNP-BC

1:40 pm **ICP Crisis: The Melting Brain**
 Gene Sung, MD

2:00 pm **ICH Management: The Fundamentals**
 J. Claude Hemphill III, MD

2:20 pm **Status Epilepticus: How to Catch It and**
What to Do
 Stephen Wong, MD

2:40 pm **Targeted Temperature Management:**
Cardiac and Neuro Indications
 Gene Sung, MD

3:00 pm **Coagulopathy Reversal: Bleeding on**
Anticoagulants and Antithrombotic Agents
 Patrick Bridgeman, PharmD

3:20 pm **Panel discussion | Q&A**

3:30 pm **Break | Exhibits**

BREAKOUT SESSION 2 ▶ Mini-fellowship workshops
at Intrepid Hall

Attendees will gain hands-on experience by choosing to participate in 1 of 3 concurrent workshops based on the subject matter that aligns most closely with their interests, stroke, Neurocritical care and neurointervention.

Each individual fellowship will have its own table and pair of expert instructors.

1 to 3:30 pm **Stroke Mini-Fellowship: Imaging, Imaging, Imaging, plus Thrombolysis and interventional case selection**
 Igor Rybinnik, MD and Deviyani D. Mehta, MD

1 to 3:30 pm **Neurocritical Care mini-fellowship: Hemispherectomy, herniation and ICP crisis, plus SAH, cardiopulmonary management and more**
 Ram C. Gowda, MD and Roger C. Cheng, MD

1 to 3:30 pm **Neuro-intervention mini-fellowship: Basic diagnostics and logistics, advancing intervention with flow diverter, glue and more, plus, radial artery approach for neuro-endovascular intervention**
 Gaurav Gupta, MD and Sudipta (Sid) Roychowdhury, MD

3:30 pm **Break | Exhibits**

Following the breakout sessions and exhibit break, all conference attendees are encouraged to meet back in Newport Hall for an exciting afternoon lecture series

AFTERNOON SESSION: COMPREHENSIVE STROKE CARE
at Newport Hall

Moderator ▶ Gene Sung, MD

3:40 pm **BP Management for Neuro Emergencies: The Best Practice**
 Kimberly Hollender, MSN, ACNP-BC

4:00 pm **Carotid and Vertebral Artery Dissections: You Cannot Miss These**
 Igor Rybinnik, MD

4:20 pm **Posterior Fossa Hemorrhage Management: What is the Right Thing to Do?**
 Deviyani D. Mehta, MD

4:40 pm **Panel discussion | Q&A**

5:00 pm **Day 1 adjournment**

Join us

for our conference

Welcome Reception and Cocktail Hour
 immediately following the first day
 of the conference.

5 to 6 pm

Welcoming Reception/Exhibits Presentation
 by Todd Crawford, Founder and Executive
 Director, The Lisa Colagrossi Foundation

Only program registrants are invited.

Saturday, October 5 | 7 am to 4:45 pm
Breakfast And Welcoming Remarks
at Newport Hall

7:00 am **Registration | Breakfast | Exhibits**
 7:40 am **Welcoming remarks**
 John F. Bonamo, MD, MS, FACOG, FACPE
 Executive Vice President and Chief Medical and
 Quality Officer, RWJBarnabas Health

7:45 am **“Art of Neurosurgery”**
 Anil Nanda, MD, MPH

Moderator ▶ Anil Nanda, MD, MPH

7:55 am **Mechanical Thrombectomy:
 How to Select the Right Patients**
 Priyank K. Khandelwal, MD

8:15 am **Novel Endovascular Devices: The Future is now**
 Gaurav Gupta, MD

8:35 am **Hemicraniectomy Update**
 E. Sander Connolly, Jr., MD

8:55 am **Interventional Options for Acute Ischemic
 Strokes: It’s Not Just Thrombectomy**
 Sudipta (Sid) Roychowdhury, MD

9:15 am **Keynote speaker Strokenomics: How Physicians
 Can Bend the Cost Curve in Stroke Care**
 Elad I. Levy, MD

9:45 am **Panel discussion | Q&A**

9:50 am **Break | Exhibits**

Moderator ▶ Kiwon Lee, MD

10:10 am **AVM Management: Latest Update and
 the Future**
 Elad I. Levy, MD

10:30 am **Critical Care Management for High Grade
 Aneurysmal SAH**
 Kiwon Lee, MD

10:50 am **Intracerebral Hemorrhage:
 Past, Current and Future**
 J. Claude Hemphill III, MD

11:10 am **KEYNOTE SPEAKER**
**Controversies in Stroke Management:
 Transfusion Thresholds, BP Targets
 Post-Thrombectomy, Anticoagulants for
 AFib with ICH, Reversal Agents**
 James C. Grotta, MD

11:40 am **Holes in the Heart and Irregular Heart Beat:
 AFib, Ablation, Anticoagulation, Watchman,
 and PFO closure**
 John Kassotis, MD

12:00 pm **Panel discussion | Q&A**
Lunch | Exhibits

Moderator ▶ Ram C. Gowda, MD and Roger C. Cheng, MD

1:10 pm **Refractory Vasospasm: Vasodilators and
 Balloon Angioplasty**
 Emad Nourollah-Zadeh, MD

1:30 pm **Sodium and Water Balance for Neurocritical
 Care: SIADH, CSW and Others**
 Kiwon Lee, MD

1:50 pm **ARDS: This is How I Manage Refractory
 Hypoxemia from ARDS - Different Ventilatory
 Modes and Novel Therapeutic Options**
 Ram C. Gowda, MD

2:10 pm **Multimodality Monitoring: Critical Care EEG**
 Brad K. Kamitaki, MD

2:30 pm **Anticoagulation for Atrial Fibrillation:
 When to Do It and Which Agents?**
 Igor Rybinnik, MD

2:50 pm **Panel discussion | Q&A**

2:55 pm **Break | Exhibits**

Moderator ▶ Kiwon Lee, MD

3:20 pm **DEBATE: CHANGE IN STROKE PROTOCOL**
**“We must change our stroke protocol:
 IV tenecteplase rather than alteplase should
 be used for all acute ischemic strokes within
 4.5 hours after symptom onset”**
 PRO: It’s just better
 J. Claude Hemphill III, MD
 CON: Stick to the drug we know
 James C. Grotta, MD

AUDIENCE VOTE

3:45 pm **DEBATE: EARLY HEMICRANIECTOMY FOR
 MALIGNANT MCA EDEMA**
**“Patients with malignant MCA edema must get
 early hemicraniectomy regardless of age”**
 PRO: Data is clear
 Gaurav Gupta, MD
 CON: Age matters
 Gene Sung, MD

AUDIENCE VOTE

4:10 pm **DEBATE: ANTICOAGULATE AGAIN? EVEN
 AFTER FIRST INTRACEREBRAL HEMORRAGE?**
**“Patients with atrial fibrillation must be
 anticoagulated again even after the first
 intracerebral hemorrhage”**
 PRO: Stroke risk if too high
 without anticoagulation?
 James C. Grotta, MD
 CON: How do you want to die?
 Ischemia or hemorrhage?
 Claude Hemphill III, MD

AUDIENCE VOTE

4:45 pm **Closing remarks**
 Kiwon Lee, MD

Tuition

Registration Fees	Early Bird Through 9/4/2019	After 9/4/2019
Physician	\$400	\$450
Other Healthcare Professional/Provider	\$320	\$370
Resident/Fellow in Training, Healthcare Student*	Complementary	
Industry, Hospital Administrator, Non-Medical Providers	\$600	\$650

*Registration must be accompanied by program director's letter confirming resident/fellow status. Please upload your letter when registering or fax to 973-972-3371.

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, lunches, continuing education credits and course material. Registration can only be accepted through our secure on-line website through October 1, 2019. Pre-registration is recommended. On-site registration will be accommodated on a space available basis.

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

Cancellation Policy

A full refund, less a \$25 cancellation fee, will be granted if notice is received no later than October 3, 2019. Refunds will not be issued for any cancellation received after October 3, 2019 and cannot be given for no shows. To cancel, please contact CCOE by email at ccoe@rbhs.rutgers.edu

Additional Information

For conference information: Contact CCOE by email at ccoe@rbhs.rutgers.edu with any questions, concerns or requests for special needs arrangements at the conference. 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.

To Register: Please note that this is a new registration system and you must create a new account in order to register. Please note that this is a new registration system and you must create a new account in order to register.

Symposium Venue And Overnight Accommodations

For the convenience of our guests, speakers and vendors, the inaugural RWJBarnabas Health and Rutgers Stroke and Neurocritical Care Symposium will be held at the Westin Jersey City Newport.

The Westin Jersey City Newport
479 Washington Boulevard, Jersey City, NJ 07310
201-626-2900

For hotel room reservations:

- ▶ 1-800-937-8461
- ▶ marriott.com/hotels/travel/ewrwj-the-westin-jersey-city-newport/

Top five reasons to book a stay at the Westin Jersey City Newport for our symposium:

- ★ It's the center of conference activity — providing you with the best conference experience.
- ★ Network with over 500 attendees staying at the same hotel.
- ★ Most of the Faculty stays here.
- ★ Easily accessible to the conference and all of the conference functions. Quick trip back to your room!
- ★ Very competitive room rates were negotiated on behalf of our guests — terrific location during the beautiful fall season.

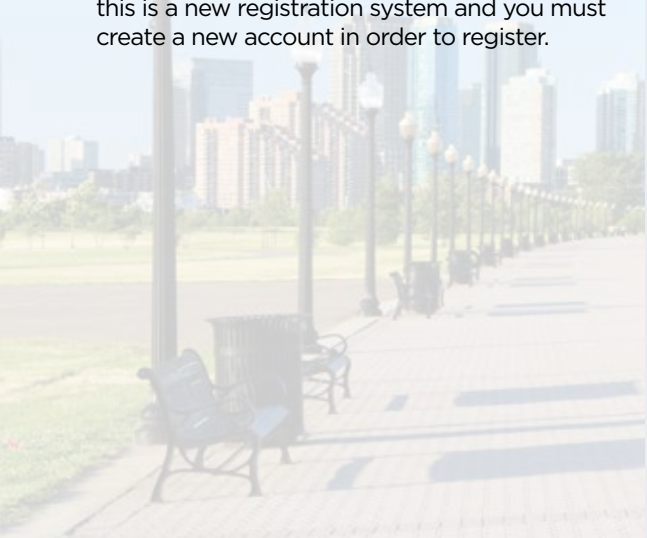
About the Westin Jersey City

The Westin Jersey City Newport welcomes guests with upscale accommodations, thoughtful amenities and a brilliant location in downtown Jersey City, along the Hudson River waterfront.

Arrive with ease — Newark Airport is minutes away — and retreat into our design-forward guest rooms and suites; nuanced details like our Westin Heavenly Bed and Westin Heavenly Bath set the stage for relaxation.

Steps from the Newport PATH Station, the hotel is enviably positioned to explore Jersey City and downtown Manhattan, as well as Hoboken, Liberty Science Center and Liberty State Park.

Parking is available at the The Westin Jersey City Newport. Prevailing daily rates apply.



PROGRAM DESCRIPTION AND OBJECTIVES

This inaugural Stroke and Neurocritical Care Symposium is a two-day CME/CE course designed to provide physicians and allied healthcare professionals with a comprehensive overview of the current and emerging cutting-edge management strategies for cerebrovascular diseases and neurocritical care delivered by internationally renowned clinicians and researchers.

The first day is a half day program dedicated to neuroscience, emergency and critical care nursing education, paralleled with mini-fellowship workshops in stroke, neurocritical care and neuro-intervention. The second day is a full day program covering topics in stroke, neurovascular surgery, neuro-intervention, and neurocritical care. The day will end with exciting debates presented by experts in the field.

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 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 the field.

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

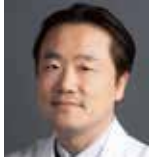
- ▶ Assess the latest evidence-based treatment approaches for acute neurological and neurosurgical emergencies including strategies for resuscitating patients with injured brains due to various etiologies.
- ▶ Discuss the latest trends in acute stroke therapeutics.
- ▶ Describe the emerging research in neurological and neurosurgical emergencies.
- ▶ Recognize key methods for treating multiple end organ system failures that occur in patients with acute brain injury.
- ▶ Evaluate the clinical efficacy and safety of therapeutic options for managing neurological critically ill patient.
- ▶ Review the latest guidelines on ischemic/hemorrhagic stroke, neurotrauma and neuro-intensive care medicine.

Target Audience

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



Course Directors



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Peter W. Carmel, MD Endowed Chair of Neurological Surgery
Senior Vice President of Neurosurgical Services
RWJBarnabas Health

Visiting Faculty



Elad I. Levy, MD, MBA, FACS, FAHA, FAANS

Professor of Neurosurgery and Radiology
L. Nelson Hopkins, MD Chairman, Department of Neurosurgery
Jacob School of Medicine and Biomedical Sciences
University of Buffalo



James C. Grotta, MD, FAAN

Director of Stroke Research
Clinical Institute for Research and Innovation
Director, Mobile Stroke Unit Consortium
Memorial Hermann-Texas Medical Center
Houston, Texas



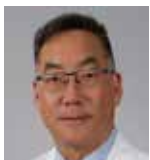
E. Sander Connolly, Jr., MD, FACS, FAANS

Bennett M Stein Professor and Vice-Chair
Department of Neurological Surgery
Columbia University Irving Medical Center
Vagelos College of Physicians and Surgeons
Neurological Institute of New York
New York Presbyterian Hospital, New York



J. Claude Hemphill III, MD, MAS, FNCS

Kenneth Rainin Endowed Chair in Neurocritical Care
Professor of Neurology and Neurological Surgery
University of California, San Francisco, School of Medicine
Chief, Neurology Service
Zuckerberg San Francisco General Hospital, California



Gene Sung, MD

Associate Professor of Neurology
Keck School of Medicine of University of Southern California,
Director of Neurocritical Care and Inpatient Chief
LAC + USC Medical Center, Los Angeles, California
Past-President, Neurocritical Care Society



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 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 contact hours (60-minute CH).

PHARMACISTS – This knowledge-based activity qualifies for 10.75 contact hours of continuing pharmacy education credit.

Pharmacists' NABP e-Profile ID and date of birth will be collected during registration. CPE credit will be processed after the activity evaluation has closed to participants, which will be three to four weeks following the activity date.

Nurses and pharmacists 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 credits, participants are expected to check in at the registration desk each day of the activity, attend the program 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 survey. **Activity Code: 20MR02**

RUTGERS BIOMEDICAL AND HEALTH SCIENCES FACULTY

Patrick Bridgeman, PharmD, BCPS

Assistant Professor, Department of Pharmacy Practice and Administration, Rutgers Ernest Mario School of Pharmacy; Emergency Medicine Pharmacist, Robert Wood Johnson University Hospital

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

Gaurav Gupta, MD

Associate Professor of Neurological Surgery, Director, Cerebrovascular and Endovascular Neurosurgery, Rutgers Robert Wood Johnson Medical School, Fellowship Director, Endovascular Neurosurgery/Neuro-Interventional Surgery Fellowship, Rutgers New Jersey Medical School and Rutgers Robert Wood Johnson Medical School

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

Kimberly Hollender, MSN, ACNP-BC

Advance Practice Provider, Neuroscience, Neurosurgery and Neurocritical Care, Robert Wood Johnson University Hospital, RWJBarnabas Health

Brad K. Kamitaki, MD

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

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

Priyank K. Khandelwal, MD

Assistant Professor of Neurology and Neurological Surgery, Rutgers New Jersey Medical School

Deviyani D. Mehta, MD

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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

Devon Orzano, MSN, ACNP-BC

Lead Advance Practice Provider, Neuroscience, Neurosurgery and Neurocritical Care, Robert Wood Johnson University Hospital, RWJBarnabas Health

Sudipta (Sid) Roychowdhury, MD

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

Igor Rybinnik, MD

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

Stephen Wong, MD

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



COURSE DIRECTORS' MESSAGE

Welcome to our inaugural Stroke and Neurocritical Care: Advanced Managements of Neurological and Neurosurgical Emergencies and Critical Care CME/CE symposium.

Since the time of Galen, strokes have been a medical focus with an enormous cost in terms of disability and outcomes. With the new trials and the improvements in endovascular techniques, as well as the addition of the neuro ICU, the prognosis has improved dramatically. This is our inaugural conference featuring authorities in the field of vascular and critical care neurology as well as cerebrovascular neurosurgery and endovascular surgery.

Our first day is full of various exciting sessions: a dedicated neuroscience and critical care nursing symposium and neurocritical care core curriculums as well as hands-on workshops/mini-fellowships led by Rutgers Robert Wood Johnson Medical School leaders and programs directors. Health care providers who would like a refresher course on neurocritical care will find a high yield nursing symposium and core curriculums. Those interested in receiving a mini-fellowship in stroke, neurocritical care and neuro-intervention, we've got you covered.

Our second day is packed with topics which will go over the past, present and future of herapeutic options for cerebrovascular diseases and neurological critical care, taught by internationally renowned speakers; most of whom were the lead authors of the latest American Heart and American Stroke Associations' Guidelines. We plan to utilize an audience response system for more engaging, interactive experience. We will end with educationally fruitful medical crossfire debated by experts and hear their opinions on the important issues with paucity of data from randomized controlled trials.

On behalf of the 9,000 physicians and the 11 acute-care hospitals of RWJBarnabas Health, we invite you to join us for this national colloquium on Stroke and Neurocritical Care!

Sincerely,

Kiwon Lee, MD, FACP, FAHA, FCCM

Anil Nanda, MD, MPH, FACS