



This activity has been approved for *AMA PRA Category 1 Credits™*.

## DESCRIPTION

The Third Mid-Atlantic Neurocritical Care Symposium will bring together experts from Johns Hopkins School of Medicine, ChristianaCare, Inova, MedStar Health, The University of Maryland, The University of Virginia, Virginia Commonwealth University and beyond to discuss caring for critically ill neurological patients, as well as highlight recent innovations in the field. This year's symposium theme is *Beyond the Guidelines*. We will offer insight into important management decisions where the level of evidence does not support strong recommendations in guidelines or where guidelines do not exist.

## WHO SHOULD ATTEND

This activity is intended for physicians, physician assistants, nurses, nurse practitioners, pharmacists, allied health professionals, residents and fellows in the fields of anesthesiology and critical care medicine, critical care surgery, emergency medicine, neurology, neurological anesthesiology, neurological surgery, and trauma surgery.

## OBJECTIVES

After attending this activity, the learner will demonstrate the ability to:

- Demonstrate foundational knowledge of core diagnoses and pathologies treated in the NCCU.
- Explain recent advances in the care of patients in the NCCU especially where guidelines are weak or do not exist.
- Describe the utilization of NCCU specific monitoring equipment.
- Identify the appropriate indications for procedures specific to the NCCU.
- Compare the fundamentals of care in the NCCU when managing complex neurological and neurosurgical conditions.

## ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



## CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 11.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies in place to identify and mitigate relevant conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

## MAINTENANCE OF CERTIFICATION CREDITS

The **American Board of Psychiatry and Neurology** has reviewed **Third Mid-Atlantic Neurocritical Care Symposium** and has approved this activity as part of a comprehensive self-assessment (SA) CME activity, which is mandated by the ABMS as a necessary component of Continuing Certification.

## OTHER CREDITS

**American Academy of Nurse Practitioners National Certification Program** accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by the ACCME.

**American Nurses Credentialing Center (ANCC)** accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by the ACCME.

## National Commission on Certification of Physician Assistants (NCCPA)

PAs may claim a maximum of 11.25 Category 1 credits for completing this activity. **NCCPA** accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society.

The Johns Hopkins University has approved this activity for 11.25 **contact hours for non-physicians**.

**The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.**

## GENERAL INFORMATION

### REGISTRATION

May 8, 2025 – 7:30 AM ET

### LOCATION

**Tilghman Auditorium**

**Thomas B. Turner Building**

Johns Hopkins School of Medicine

720 Rutland Avenue

Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at

<https://HopkinsCME.cloud-cme.com>. Handicapped parking is available in the nearby Rutland Garage. **Johns Hopkins is smoke-free.**

### FEES

**REGISTRATION CUT-OFF DATE: Wednesday, April 30, 2025 – 5:00 PM ET**

Register Online:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=58302>

**Methods of Payment: Learners must register and submit full payment prior to the start of the activity.** On-site payments can only be accepted if made by learners via credit card through the online portal by 5:00 p.m. ET on the first day of the activity. The registration fee includes instructional materials, continental breakfast(s), refreshment breaks and lunch(es).

Physicians .....	\$ 200.00
NPs, APPs, PAs, RNs, EMS .....	\$ 150.00
Residents*, Fellows* .....	\$ 0.00

\*with verification of status

You will receive a confirmation by e-mail. If you have not received it by **April 30, 2025**, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

### LATE FEE AND REFUND POLICY

A \$50.00 late fee applies to registrations received after 5:00 p.m. ET on **April 30, 2025**. A handling fee of \$50.00 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be

received by fax or mail by **April 30, 2025**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

## **SYLLABUS**

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

## **HOTEL AND TRAVEL INFORMATION**

### **Canopy by Hilton Baltimore Harbor Point**

1215 Wills Street  
Baltimore, MD 21231  
Phone: 443-960-8681  
Fax: 443-960-8671  
Hotel Rate: \$209.00  
Hotel link:

<https://www.hilton.com/en/book/reservation/deeplink/?ctyhocn=BWIHPPY&groupCode=MNC&arrivaldate=2025-05-07&departuredate=2025-05-09&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT>

### **Hotel Registration Cut Off Date: April 7, 2025**

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Canopy by Hilton Baltimore Harbor Point is a waterfront hotel in Harbor Point overlooking the Patapsco River and nestled between Fells Point and Harbor East. Make your reservation online or call the hotel directly and specify that you are attending the [Third Mid-Atlantic Neurocritical Care Society Symposium](#) to receive the special group rate of \$209.00, single or double, plus tax. On-site parking is available at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

### **Residence Inn by Marriott**

#### **Baltimore at the Johns Hopkins Medical Campus**

800 North Wolfe Street  
Baltimore, Maryland 21205  
Website: [www.marriott.com/bwiea](http://www.marriott.com/bwiea)

Hotel Rate: \$189.00

Hotel

Link: <https://www.hilton.com/en/book/reservation/deeplink/?ctyhocn=BWIHPPY&groupCode=MNC&arrivaldate=2025-05-07&departuredate=2025-05-09&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT>

(844) 490-1771

(443) 524-8400

FAX: (443) 524-8401

### **HOTEL RESERVATION CUT-OFF DATE: April 23, 2025**

The Residence Inn Baltimore is located on the Johns Hopkins Medical Campus. Make your reservation at [www.marriott.com](http://www.marriott.com) or call the hotel directly and specify that you are attending the [Third Mid-Atlantic Neurocritical Care Conference](#) to receive the special group rate of

\$189.00 for one bedroom king suite, plus tax. On-site parking is available at the hotel at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

### **HOW TO OBTAIN CREDIT**

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to access the evaluation and attest to your credits is June 23, 2025.**

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

### **AMERICANS WITH DISABILITIES ACT**

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

### **TO REGISTER *or* FOR FURTHER INFORMATION**

Register Online

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=58302>

E-mail the Office of CME

[cmenet@jhmi.edu](mailto:cmenet@jhmi.edu)

Follow us on X: <http://x.com/HopkinsCME>

Facebook: <http://www.facebook.com/HopkinsCME>



Check out our mobile app CloudCME.

Organization Code: **HopkinsCME**

For technical assistance with website, CloudCME or credits, please visit our tech support help page: <https://hopkinscme.cloud-cme.com/about/help>

For general information, please visit the activity webpage at <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=58302>

### **ACKNOWLEDGEMENT**

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this

activity may require the Johns Hopkins School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

## PROGRAM

### Thursday, May 8, 2025

7:30 – 7:55 am	<i>Registration and Continental Breakfast</i>
7:55 – 8:00 am	<b>Welcome and Conference Goals</b> <i>Nicholas A. Morris, MD (University of Maryland School of Medicine)</i>
8:00 – 8:30 am	<b>Neurochecks: How Often is too Often?</b> <i>Elizabeth Zink, PhD, RN, CCNS (Johns Hopkins School of Medicine)</i>
8:30 – 9:00 am	<b>Neuromonitoring in Pediatric Patients on ECMO</b> <i>Melania Bembea, MD, MPH, PhD (Johns Hopkins School of Medicine)</i>
9:00 – 9:30 am	<b>Neuromonitoring on a Budget</b> <i>Austen Lefebvre, MD (Johns Hopkins School of Medicine)</i>
9:30 – 10:00 am	<b>Cerebrovascular Morphology in Neurocritical Care</b> <i>Pouya Fahadan, MD, MBA (INOVA Medical Center)</i>
10:00 – 10:15 am	<b>Round Table: Neuromonitoring</b> <i>Zink, Bembea, Lefebvre, Fahadan</i>
10:15 - 10:30 am	<i>Break</i>
10:30 – 11:00 am	<b>Seizure Prophylaxis in Acute Brain Injury</b> <i>Michael Armahizer, PharmD (University of Maryland Medical Center)</i>
11:00 - 11:30 am	<b>Approach to Fluid Management in Acute Brain Injury</b> <i>Abigale Celotto, CRNP (University of Maryland Medical Center)</i>
11:30 am – 12:00 pm	<b>Transfusion Management in Acute Brain Injury</b> <i>Mark Mirski, MD, PhD (Johns Hopkins School of Medicine)</i>
12:00 – 12:15 pm	<b>Round Table: Seizure Prophylaxis, Fluids, Transfusion Management</b> <i>Armahizer, Celotto, Mirski</i>
12:15 – 1:05 pm	<i>Lunch</i>
1:05 – 2:05 pm	<b>Keynote: Detecting and Promoting Consciousness in the Neuro ICU</b> <i>Yelena Bodien, PhD (Vanderbilt University Medical Center)</i>
2:05 – 2:35 pm	<b>Critical Care Management of Severe Autoimmune Encephalitis (NMDA-R)</b> <i>Carlos Pardo-Villamizar, MD (Johns Hopkins School of Medicine)</i>
2:35 – 3:05 pm	<b>Paroxysmal Sympathetic Hyperactivity</b> <i>Jamie Podell, MD (University of Maryland Medical Center)</i>
3:05 – 3:25 pm	<i>Break</i>

3:25 – 3:40 pm	<b>Round Table: Autoimmune Encephalitis, PSH</b> <i>Pardo-Villamizar, Podell</i>
3:40 – 4:10 pm	<b>Pulmonary Hygiene and Ventilator Weaning in Spinal Cord Injury</b> <i>Eric Kriner, BS, RRT, FAARC (Medstar Washington Hospital Center)</i>
4:10 – 4:40 pm	<b>Neurocritical Care of Eclampsia</b> <i>Mohamed Tiouririne, MD (University of Virginia School of Medicine)</i>
4:40 – 5:10 pm	<b>Fulminant Hepatic Failure</b> <i>Prem Kandiah, MD (Emory University School of Medicine)</i>
5:10 – 5:20 pm	<b>Round Table: Respiratory Management of SCI, Eclampsia, Fulminant Hepatic Failure</b> <i>Kriner, Tiouririne, Kandiah</i>

**Friday, May 9, 2025**

7:30 - 8:00 am	<i>Continental Breakfast</i>
8:00 - 8:05 am	<b>Welcome and Conference Goals</b> <i>Wendy Ziai, MD, MPH (Johns Hopkins School of Medicine)</i>
8:05 – 8:35 am	<b>Mobility Therapy in the ICU</b> <i>Mona Bahouth, MD, PhD (Johns Hopkins School of Medicine)</i>
8:35 – 9:35 am	<b>Quick Hits</b>
8:35 – 8:45 am	<b>Indirect Calorimetry in the Neurocritical Care Patient</b> <i>Sarah Haack, MS, RD (Virginia Commonwealth University)</i>
8:45 – 8:55 am	<b>Agitation Management in Traumatic Brain Injury</b> <i>Karen McQuillan, MS, RN, CNS-BC, CNRN, TCRN, FAAN (University of Maryland Medical Center)</i>
8:55 – 9:05 am	<b>Troubleshooting External Ventricular Drains</b> <i>Omar Awan, MD (INOVA Medical Center)</i>
9:05 – 9:15 am	<b>Pharmacologic Temperature Management</b> <i>Lina Saliba, PharmD, BCPS, BCCCP (INOVA Medical Center)</i>
9:15 – 9:25 am	<b>GI Prophylaxis in Neurocritical Care</b> <i>Laura Schneider, PharmD, BCPS, BCCCP (ChristianaCare Medical Center)</i>
9:25 – 9:35 am	<b>Question &amp; Answer</b> <i>Panel: Haack, McQuillen, Awan, Saliba, Schneider</i>
9:35 – 9:55 am	<i>Break</i>
9:55 – 10:55 am	<b>Keynote: Bedside Care of the Comatose Patient?</b> <i>DaiWai Olson, RN, PhD (UT Southwestern)</i>

<b>10:55 am – 11:25 am</b>	<b>Cerebral Venous Sinus Thrombosis (CVST)</b> <i>Shyam Majmundar, MD (University of Maryland School of Medicine)</i>
<b>11:25 – 11:55 pm</b>	<b>Intracranial Hypotension / Low Pressure Hydrocephalus</b> <i>Vinay Desmukh, MD (MedStar Georgetown University Hospital)</i>
<b>11:55 – 12:10 pm</b>	<b>Round Table: CVST and Intracranial Hypotension</b> <i>Majmunder, Desmukh</i>
<b>12:10 – 12:20 pm</b>	<b>Closing Remarks</b>
<b>12:20 pm</b>	<b>Adjourn</b>

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

**The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.**

**This schedule is subject to change.**



## **ACTIVITY CO-DIRECTORS**

### **Wendy Ziai, MD, MPH**

Professor of Neurology, Anesthesiology and Critical Care Medicine  
Johns Hopkins School of Medicine

### **Nicholas A. Morris, MD**

Associate Professor of Neurology Neurocritical Care  
University of Maryland School of Medicine

## **FACULTY AND GUEST SPEAKERS**

### **Michael Armahizer, PharmD, BCCP**

Neurocritical Care Clinical Pharmacy  
Specialist  
University of Maryland Medical Center  
Baltimore, Maryland

### **Omar Awan, MD**

Critical Care Medicine Specialist  
INOVA Medical Center  
Washington, District of Columbia

### **Neeraj Badjatia, MD**

Professor of Neurology, Neurosurgery, and  
Anesthesiology  
University of Maryland School of Medicine  
Baltimore, Maryland

### **Mona Bahouth, MD, PhD**

Associate Professor of Neurology  
Johns Hopkins School of Medicine  
Baltimore, Maryland

### **Melania Bembea, MD, MPH, PhD**

Professor of Anesthesiology and Critical Care  
Medicine  
Johns Hopkins School of Medicine  
Baltimore, Maryland

### **Yelena Bodien, PhD**

Assistant Professor of Acute Care Surgery  
Vanderbilt University Medical Center  
Nashville, Tennessee

### **Abigale Celotto, CRNP**

University of Maryland Medical Center  
Baltimore, Maryland

### **Vinay Desmukh, MD**

Associate Professor of Neurosurgery  
MedStar Georgetown University Hospital  
Washington, District of Columbia

### **Pouya Fahadan, MD, MBA, FAHA**

Vascular Neurology  
INOVA Medical Center  
Washington, District of Columbia

### **Sarah Haack, MS, RD**

Clinical Dietician  
Virginia Commonwealth University  
Richmond, Virginia

### **Prem Kandiah, MD**

Assistant Professor of Neurosurgery  
Emory University School of Medicine  
Atlanta, Georgia

### **Eric Kriner, BS, RRT, FAARC**

Pulmonary Critical Care Specialist  
Medstar Washington Hospital Center  
Washington, District of Columbia

### **Shyam Majmundar, MD**

Assistant Professor of Neurology and  
Neurosurgery  
University of Maryland School of Medicine  
Baltimore, Maryland

**Karen McQuillan, MS, RN, CNS-BC,  
CNRN, TCRN, FAAN**  
Clinical Nurse Specialist  
University of Maryland Medical Center  
Baltimore, Maryland

**Mark Mirski, MD, PhD**  
Professor of Anesthesiology and Critical Care  
Medicine, Neurology, and Neurological  
Surgery  
Johns Hopkins School of Medicine  
Baltimore, Maryland

**DaiWai Olson, RN, PhD**  
Professor of Neurology and Neurological  
Surgery  
Director, Neuroscience Nursing Research  
Center (NNRC)  
UT Southwestern Medical Center  
Dallas, Texas

**Carlos Pardo-Villamizar, MD**  
Professor of Neurology  
Johns Hopkins School of Medicine  
Baltimore, Maryland

**Jamie Podell, MD**  
Vascular Neurology  
University of Maryland Medical Center  
Baltimore, Maryland

**Lina Saliba, PharmD, BCPS, BCCCP**  
Clinical Specialist, Critical Care  
INOVA Medical Center  
Washington, District of Columbia

**Laura Schneider, PharmD, BCPS, BCCCP**  
Clinical Pharmacy Specialist, Neurocritical  
Care  
ChristianaCare Medical Center  
Christiana, Delaware

**Mohamed Tiouririne, MD**  
Professor of Anesthesiology  
University of Virginia School of Medicine  
Charlottesville, Virginia

**Elizabeth Zink, PhD, MSN, RN, CCNS**  
Clinical Nurse Specialist, NCCU  
Johns Hopkins School of Medicine  
Baltimore, Maryland