

Johns Hopkins School of Medicine
Departments of Anesthesiology and Critical Care Medicine, Neurology,
and Neurosurgery

present the

EIGHTH JOHNS HOPKINS NEUROCRITICAL CARE CONFERENCE:

The Year in Review with Code ICH

August 15-17, 2024

Washington, District of Columbia

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



Endorsed by:



NEUROCRITICAL CARE
FOUNDATION



JOHNS HOPKINS
MEDICINE

DESCRIPTION

The Eighth Johns Hopkins Neurocritical Care Conference: The Year in Review with Code ICH is designed to meet the needs of physicians who will be taking the recently approved ABPN ACGME Neurocritical Care Boards. This two and a half-day live activity is presented by Johns Hopkins School of Medicine and is organized by the pioneering Division of Neurocritical Care. The lecturers include renowned faculty from around the world as well as Johns Hopkins University Hospital Neurocritical Care Faculty. This course is a compendium of recent advances and will include a series of in-person lectures as well as supporting video and written lecture material. Topics include cerebral physiology, neuropharmacology, CSF physiology, Hydrocephalus, mechanical ventilation, cardiac augmentation, hemodynamic support, nutrition and gastrointestinal disorders, traumatic brain injury (TBI), unstable spine fractures, acute ischemic stroke, and additional lectures that will feature the newly revised ABPN ACGME requirements.

WHO SHOULD ATTEND

This activity is intended for physicians, physician assistants, nurses, 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:

- Recognize the core diagnosis and pathology for care delivered in the NCCU.
- Identify recent advances in the care of patients in the NCCU.
- Explain the use of monitoring equipment in the NCCU.
- Recognize and explain the appropriate use of procedures which are limited to the NCCU.
- Discuss and outline the fundamentals of care in the NCCU.

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 21.25 *AMA PRA Category 1 Credits*[™]. 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.

MOC CREDITS

American Board of Psychiatry and Neurology (ABPN)

The **American Board of Psychiatry and Neurology** has reviewed the Eighth Johns Hopkins Neurocritical Care Conference: The Year in Review with Code ICH and has approved this program as part of a comprehensive self-assessment program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.

OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program

American Academy of Nurse Practitioners National Certification Program accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME.

American Nurses Credentialing Center

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME.

National Commission on Certification of Physician Assistants (NCCPA)

PAs may claim a maximum of 21.25 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credit[™] from organizations accredited by ACCME or a recognized state medical society.

Professional Counselors and Therapists

This CE Program has been approved by the **Maryland Board of Professional Counselors and Therapists** for Category A CEUs.

Psychologists

The Johns Hopkins University School of Medicine is authorized by the **Maryland State Board of Examiners of Psychologists** as a provider of continuing education. The Johns Hopkins University School of Medicine maintains responsibility for this program. A certificate for 21.25 CEUs will be awarded upon completion of this (name of activity e.g., seminar, workshop).

Social Workers

The **Maryland Board of Social Work Examiners** certifies that this program meets the criteria for 21.25 credit hours of Category 1 or 2.125 CEUs of continuing education for social workers licensed in Maryland. The Johns Hopkins University School of Medicine is an approved sponsor of the Maryland Board of Social Work Examiners for continuing education credits for licensed social workers in Maryland.

The Johns Hopkins University has approved this activity for 21.25 **contact hours for non-physicians.**



GENERAL INFORMATION

REGISTRATION

7:30 AM – Thursday, August 15, 2024

LOCATION

InterContinental Washington D.C. – The Wharf

801 Wharf Street, NW
Washington, DC 20024

FEES

REGISTRATION CUT-OFF DATE: AUGUST 8, 2024

Register Online:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=52051>

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 breakfasts, refreshment breaks and lunches.

Physicians	\$1,250
Physician Assistants	\$850
Residents*/Fellows*/Nurses/NPs/PAs/ Allied Health Professionals.....	\$850
*with verification of status	

You will receive a confirmation by e-mail. If you have not received it by **August 8, 2024**, 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 late fee applies to registrations received after 5:00 p.m. ET on **August 8, 2024**. A handling fee of \$50 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 **August 8, 2024**. 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

InterContinental Washington D.C. – The Wharf

801 Wharf Street, NW
Washington, DC 20024
(202) 800-0844

HOTEL RESERVATION CUT-OFF DATE: JULY 19, 2024

The InterContinental Washington D.C. – The Wharf Hotel is perfectly placed on the beautiful Potomac River. Enjoy the most incredible waterfront views of D.C. Modern luxury, culture, and a rich history combined in the Wharf neighborhood to create a perfect atmosphere for guests and locals alike. Their convenient location means getting here and getting to the center city has never been easier. The property has immediate access to major roadways, is blocks away from public transit stops, and a short five miles away from the Ronald Reagan Washington National Airport (DCA). Make your reservation online at **Neurocritical Care Board Review / Update** or call the hotel directly and specify that you are attending the **Johns Hopkins Neurocritical Care Conference** to receive the special group rate of \$269.00, single or double, plus tax. A Daily Guest Amenity Fee of \$30.00 plus tax will be added to your rate, which includes: \$15.00 beverage credit (to be used at the Restaurant, Waves, or Watering Hole), \$15.00 mini-bar credit, and complimentary lobby coffee or tea each morning. Check-in time is 4:00 p.m. Check-out time is 11:00 a.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 October 1, 2024.**

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.

GENERAL INFORMATION

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.*

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.



TO REGISTER OR FOR FURTHER INFORMATION

Register online: hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=52051

Register by Phone.....(410) 502-9636
Register by Fax.....(866) 510-7088
Confirmation/Certificates/Transcripts.....(410) 502-9636
General Information(410) 955-2959
E-mail the Office of CME.....cmenet@jhmi.edu

Follow us on Twitter: twitter.com/HopkinsCME
Facebook: 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:
hopkinscme.cloud-cme.com/about/help

For general information, please visit the activity webpage at
hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=52051

PROGRAM

THURSDAY, AUGUST 15, 2024

7:30 – 8:00	<i>Continental Breakfast</i>
8:00 – 8:10	Welcome and Conference Goals Paul Nyquist, MD, MPH, FAHA, FCCM, FANA, FAAN Sung-Min Cho, DO, MHS Austen Lefebvre, MD
8:10 – 9:10	Keynote Lecture: Code ICH Joshua Goldstein, MD, PhD
9:10 – 9:40	Code ICH Medical Management of the Acute ICH Jose Suarez, MD
9:40 – 10:40	Surgical Management of ICH and Vascular Anomalies Wendy Ziai, MD, MPH
10:40 – 10:50	Q & A Session
10:50 – 11:00	<i>Break</i>
11:00 – 12:15	Acute Ischemic Stroke, CVST - Spinal Cord Infarction, and Diagnostic Studies M. Shazam Hussain, MD, FRCP, GAHA
12:15 – 12:30	Q & A Session
12:30 – 1:30	<i>Lunch</i>
1:30 – 2:45	Cerebral Physiology, Mechanical Ventilation, and Pulmonary David Seder, MD
2:45 – 2:55	Q & A Session
2:55 – 3:10	<i>Break</i>
3:10 – 4:00	Status Epilepticus/Seizures and Infectious Disease Thomas Bleck, MD
4:00 – 4:50	Hemodynamic Support and Diagnosis and Management of Shock Bradford Winters, MD, PhD
4:50 – 5:00	Q & A Session
5:00	Adjourn

FRIDAY, AUGUST 16, 2024

7:30 – 8:00	<i>Continental Breakfast</i>
8:00 – 8:05	Recap Day 1 and Introductions Paul Nyquist, MD, MPH, FAHA, FCCM, FANA, FAAN
8:05 – 8:30	SAH Epidemiology Paul Nyquist, MD, MPH, FAHA, FCCM, FANA, FAAN
8:30 – 8:55	Surgical Management and Treatment of SAH Risheng Xu, MD, PhD
8:55 – 9:45	TBI and SCI Geoffrey Ling, MD, PhD, DSci (hon), FAAN, FANA, FNCS
9:45 – 10:10	Endocrine Roberto Salvatori, MD
10:10 – 10:20	Q & A Session
10:20 – 10:35	<i>Break</i>
10:35 – 11:00	Brain Hemodynamic Monitoring – BOOST-3 and Beyond Austen Lefebvre, MD
11:00 – 11:50	Unstable Spine Fractures and General Trauma Alistair Kent, MD, MPH
11:50 – 12:00	Q & A Session
12:00 – 1:00	<i>Lunch</i>
1:00 – 1:25	ICP and Intracranial Hypertension Romergryko Geocadin, MD
1:25 – 1:50	Critical Care Management of Post-Cardiac Arrest Patients Romergryko Geocadin, MD
1:50 – 3:05	Autoimmune Encephalitis, Acute Central Nervous System Infections, and Fulminant Demyelinating Diseases John Probasco, MD
3:05 – 3:20	<i>Break</i>
3:20 – 3:55	Renal Replacement Therapy in the Neurocritical Care Patient Manny Monroy-Trujillo, MD
3:55 – 4:45	Cardiovascular and Cardiac Augmentation and MCS (ECMO/LVAD) Thomas Metkus, MD, PhD
4:45 – 5:00	Q & A Session
5:00	Adjourn

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.

PROGRAM

SATURDAY, AUGUST 17, 2024

7:30 – 8:00	<i>Continental Breakfast</i>
8:00 – 9:15	Principles of Neuropharmacology, Analgesia and Sedation, and Airway Management Marek Mirski, MD, PhD
9:15 – 9:40	Intracranial Physiology and Autonomic Hyperactivity Vishank Shah, MD
9:40 – 9:55	Q & A Session
9:55 – 10:00	<i>Break</i>
10:00 – 10:50	Gastrointestinal Disorders and Nutrition Neeraj Badjatia, MD, MS, MHCDS
10:50 – 11:15	Pediatric Neurocritical Care Courtney Robertson, MD
11:15 – 12:05	VTE Prophylaxis and PE Michael Streiff, MD
12:05 – 12:10	Q & A Session
12:10 – 1:10	<i>Lunch</i>
1:10 – 1:35	Acute Neuromuscular Disorders Ahmet Hoke, MD, PhD

1:35 – 2:05

Post-Operative Neurosurgical Complications in the NCCU
Christopher Jackson, MD

2:05 – 2:40

Ethics and Brain Death
Susanne Muehlschlegel, MD, MPH, FNCS, FCCM, FAAN

2:40 – 2:50

Q & A Session

2:50 – 3:00

Summary
Paul Nyquist, MD, MPH, FAHA, FCCM, FANA, FAAN
Sung-Min Cho, DO, MHS
Austen Lefebvre, MD

3:00

Adjourn

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.

COURSE NUMBER 80063950 / 52051

Eighth Johns Hopkins Neurocritical Care Conference: The Year in Review with Code ICH | August 15-17, 2024

REGISTER ONLINE: hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=52051

PHONE: (410) 502-9636

Registration Fees:

Physicians.....	\$1,250
Physician Assistants	\$850
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals.....	\$850
*with verification of status	

You will receive a confirmation by e-mail. If you have not received it by **August 8, 2024**, 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.**



SPEAKERS

ACTIVITY CO-DIRECTORS

Paul Nyquist, MD, MPH, FAHA, FCCM, FANA, FAAN

Professor of Neurology, Anesthesia and Critical Care Medicine, Neurosurgery, and General Internal Medicine
Senior Consultant in Neurocritical Care, National Institutes of Health Critical Care Medicine (CCMD), Bethesda, Maryland
Liaison to CCMD, from Johns Hopkins Neurocritical Care
Fellowship Director for the CAST Neurocritical Care Fellowship
Co-director, Johns Hopkins Bayview Neurosciences Critical Care Unit
Director of Neurological Studies, The GeneSTAR Research Centers
Principal Investigator, GeneSTAR Silent Stroke Study
President Neurocritical Care Foundation

Sung-Min Cho, DO, MHS

Associate Professor of Neurology, Surgery, Anesthesia and Critical Care Medicine
Director of Adult ECMO Research

Austen Lefebvre, MD

Assistant Professor of Neurology, Surgery, Anesthesia and Critical Care Medicine

JOHNS HOPKINS FACULTY

Romergrzyko Geocadin, MD

Professor of Neurology, Neurosurgery, and Anesthesiology and Critical Care Medicine
Co-Director, Johns Hopkins Encephalitis Center

Ahmet Hoke, MD, PhD

Professor of Neurology
Director, Neuromuscular Division

Christopher Jackson, MD

Assistant Professor of Neurosurgery

Alistair Kent, MD, MPH

Assistant Professor of Surgery

Geoffrey Ling, MD, PhD, DSci (hon), FAAN, FANA, FNCS

Professor of Neurology, Neurosurgery, and Anesthesiology and Critical Care Medicine
Emeritus Professor of Neurology, Uniform Services University of the Health Sciences

Thomas Metkus, Jr., MD

Associate Professor of Medicine and Surgery

Marek Mirski, MD, PhD

Professor of Anesthesiology and Critical Care Medicine
Vice-Chair, Department of Anesthesiology and Critical Care Medicine

Manny Monroy-Trujillo, MD

Assistant Professor of Medicine
Associate Program Director, Nephrology Fellowship

Susanne Muehlschlegel, MD, MPH, FNCS, FCCM, FAAN

Professor (PAR) of Neurology

John Probasco, MD

Professor of Neurology
Vice-Chair for Quality, Safety, and Service, Department of Neurology

Courtney Robertson, MD

Associate Professor of Anesthesiology and Critical Care Medicine

Roberto Salvatori, MD

Professor of Medicine and Neurosurgery
Medical Director, Pituitary Center

Michael Streiff, MD

Professor of Medicine
Medical Director, The Johns Hopkins Hospital
Special Coagulation Laboratory

Jose Suarez, MD

Professor of Neurology
Director, Division of Neurosciences Critical Care

Bradford Winters, MD, PhD

Associate Professor of Anesthesiology and Critical Care Medicine

Risheng Xu, MD, PhD, AM

Assistant Professor of Neurosurgery
Assistant Director, Neurosurgery Residency Program

Wendy Ziai, MD, MPH

Professor of Neurology
Medical Director, Neurovascular Laboratory

GUEST FACULTY

Neeraj Badjatia, MD, MS, MHCDS

Chief of Neurocritical Care, Program in Trauma
Vice Chair and Professor, Department of Neurology
University of Maryland School of Medicine
Baltimore, Maryland

Thomas Bleck, MD

Professor, Ken and Ruth Davee Department of Neurology, Northwestern University
Feinberg School of Medicine
Emeritus Professor of Neurological Sciences, Neurosurgery, Medicine, and Anesthesiology, Rush Medical College
Director, Neurocritical Care Fellowship, Northwestern University
Founding Past President, The Neurocritical Care Society
Senior Editor, Critical Care Medicine
Chicago, Illinois

Joshua Goldstein, MD, PhD

Professor of Emergency Medicine
Harvard Medical School
MGH Endowed Chair in Emergency Research
Vice Chair for Faculty Affairs, Emergency Medicine
Massachusetts General Hospital
Boston, Massachusetts

M. Shazam Hussain, MD, FRCP, GAHA

Professor of Neurology
Vice-Chair of Safety, Quality, and Patient Experience, Neurological Institute, Cleveland Clinic Global Enterprise
Director, Cerebrovascular Center, Cleveland Clinic Global Enterprise
Cleveland Clinic
Cleveland, Ohio

David Seder, MD

Internal Medicine, Critical Care Medicine, and Pulmonary Disease
Chairman, Department of Critical Care Services, Maine Medical Center MaineHealth
Portland, Maine