

WORKSHOPS



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The Neurocritical Care Society Workshop series is unique – a reasonably-priced, multispecialty, multidisciplinary approach to continuing medical education. Intended as a complement to the annual meeting, the workshops offer an unparalleled opportunity to dive deeper into timely and relevant topics and gain the critical skills you need to perform in your field. These are intensive sessions using case-based, hands-on, pragmatic approaches. The faculty includes some of the leading experts and educators in Neurocritical care. We have doctors, nurses, pharmacists, and mid-level providers here to show you what to do. Sometimes PowerPoint is not enough ... Conduct your own ultrasound, place an ICP monitor, and interpret EEG! Our instructors will be right there with you. This year, by popular demand, we will cover difficult airway and vent management, bronchoscopy and percutaneous tracheostomy, and advanced ICU hemodynamics workshops! There is truly something here for everyone!

Every person attending the annual meeting should plan to participate in a workshop. We will give you more than your money's worth in practical information, pearls, and techniques you can use immediately. We want to give away the secrets of Neurocritical care!

Can't wait to see you in National Harbor!

The 2016 NCS Workshop Committee

2016 Workshop Descriptions

Pre-Day Workshops
Wednesday, September 14th and Thursday, September 15th

TCD Course

Chair: Alexander Razumovsky, PhD, FAHA
Co-Chair: Ryan Hakimi, DO, MS

Wednesday, September 14th:
8:00a.m.-12:00p.m.
TCD Course Part 1: Didactic Lecture & Overview

Wednesday, September 14th:
1:00p.m.-5:00p.m.
TCD Course Part 2: Hands On, 50 Cases

Thursday, September 15th:
1:00p.m.-5:00p.m.
TCD Course Part 3: Hands On, 50 Cases

This program is designed for physicians, sonographers, technologists, and other healthcare professionals seeking to acquire the

skill sets and knowledge base required to apply, perform and interpret Transcranial Doppler (TCD) and Transcranial Doppler Imaging (TCDI) studies. Didactic lectures and daily faculty-guided hands-on scanning sessions will provide learners with the opportunity to view and practice TCD and TCDI techniques.

Media Training Workshop
Thursday, September 15th:
8:00a.m.-11:00a.m.

The Media Training Workshop, chaired by Mark Bernheimer, will provide a solid education in crucial media concepts to help attendees become comfortable discussing complicated medical concepts with the media.

Friday, September 16th
8:00 a.m. – 12:00 p.m.

Advanced Practice Providers
Course Director: Sarah Livesay, DNP, RN, ACNP-BC, ACNS-BC and Susan Yeager, MS, RN, CCRN, ACNP, FNCS

This workshop is geared toward any

Advanced Practice Provider (Nurse Practitioner, Clinical Nurse Specialist and Physician Assistant) who is interested in taking their practice to the next level. Working through challenging case studies calling on your differential diagnoses skills, MR imaging, drug selection, and discussions on how to demonstrate your worth, APPs will be stretched clinically and professionally. You will walk away from this mental workout with new knowledge and skills that can be directly applied to your clinical practice.

Difficult Airway and Ventilation Management
Course Director: Avinash B. Kumar, MD, FCCM, FCCP

Learn from the experts how to identify and approach a patient with a difficult airway. Case based reviews will cover techniques used to manage patients with difficult ventilation and when advanced ventilator modalities may be useful.

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Essential Skills for Running a Neuro ICU

Course Director: Kristy O’Phelan, MD

This course covers the basic concepts needed to run a successful neuro ICU. These include budgets, staffing, preparing for surveys and certifications, collaboration and team building in a multidisciplinary environment, negotiation, conflict resolution and building excellence in your nursing team. Diverse models will be represented including, private, academic, open, closed and international critical care units.

Ultrasound and Echo in NeuroICU

Course Director: Aarti Sarwal, MD

Critical care ultrasound is a required skill in the modern ICU. This workshop consists of high-yield didactics and faculty supervised hands-on scanning stations with live models covering the fundamentals of critical care echocardiography, lung ultrasound, assessment of preload status, detection of lower limb DVTs, and optic nerve sheath sonography for the detection of raised intracranial pressure. Bonus reviews of the FAST and RUSH exams will be conducted as learner mix allows.

Saturday, September 17th
8:00 a.m. – 12:00 p.m.

Advanced ICU Hemodynamics

Course Director: Christopher Junker, MD

This workshop will focus on the use of hemodynamic therapy to provide optimal outcomes in TBI, SAH/vasospasm, and those with acute lung injury/ARDS. The workshop will also cover hemodynamic therapy of the brain dead organ donor which has been shown to significantly increase organ yield in these physiologically complex patients. The emphasis will be on pulse

contour analysis technology and an overview of basic ECHO techniques that are essential for practicing neurointensivists. Our workshop will include description and use of “the physiologic optimization program” through real case interactive simulation sessions to emphasize the course content.

Bronchoscopy and Percutaneous Trach

Course Director: Krishna Rajajee, MD

This is a hands-on workshop that covers critical care bronchoscopy and bedside percutaneous tracheostomy. Didactic sessions cover indications, technique, pitfalls, complications and credentialing issues. Participants then get to perform bronchoscopy as well as percutaneous tracheostomy at instructor led skill stations. Get started on two key ICU procedures, or just practice your skills!

EEG 101

Course Director: Emily Gilmore, MD

This workshop will enhance the participant’s practical utilization of continuous EEG in the ICU. We will teach you the basics – how to work the equipment, how to attach the leads. We will give you an introduction to bedside EEG pattern and artifact recognition, the role of quantitative EEG displays in EEG analysis, nursing and technical issues, and case studies with various EEG systems. We will also cover common start-up, business and coding issues.

Prognostication, Communication, and Shared Decision Making: Palliative Care in the NeuroICU

Course Director: David Y. Hwang, MD

This course explores new approaches to prognostication in the Neurocritical care unit. The discussion will span several common

diagnoses and will provide case based teaching on how to use the currently available technology to help predict neurological outcome.

Sunday, September 18th
8:00 a.m. – 12:00 p.m.

EEG 201

Course Directors: Brad Kolls, MD, PhD, MMCI

This advanced ICU EEG course (intended for individuals with at least a functional knowledge of EEG rhythms and techniques) will use case-based examples to illustrate clinical applications of ICU EEG monitoring. Topics will include EEG interpretation in the ICU, Quantitative EEG methods (QEEG), detection of vasospasm and status epilepticus, cortical spreading depression and corticography, new ICU EEG terminology, and management of complex ICU cases including refractory status epilepticus.

Essentials of Neurocritical Care

Course Directors: Cherylee Chang, MD, FNCS and Tom Bleck, MD, MCCM, FNCS

This course covers basic neuroanatomy and neuroimaging, EEG essentials, management of common ICU interventions on cerebral blood flow, neuromuscular emergencies in the ICU, rating scales, anticonvulsant drugs, adverse neurologic effects of common ICU drugs, and osmolar disturbances. What a great opportunity to brush up on the basics, whether you’re a physician, nurse, mid-level provider, or any other care provider.

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Intracranial Monitoring

Course Director: Benjamin Emanuel, DO and Joshua Medow, MD, MS, FAANS, FACS, FNCS

A hands-on workshop in which you will learn and practice basic techniques for the insertion, management, troubleshooting, data interpretation, and removal of intracranial monitoring devices! This workshop includes ventricular catheterization, ICP, brain tissue oxygen, cerebral blood flow monitoring, and cerebral microdialysis technologies.

Neurocritical Care Pharmacotherapy

Course Director: Eljim Tesoro, PharmD, BCPS

This course will cover the hottest topics in neurocritical care pharmacotherapy! Experts will discuss therapeutic controversies, challenging patient populations, and innovative practice in a case-based learning environment. This year's topics will include pharmacokinetic dosing strategies in TTM and CRRT, ICU considerations in Parkinson's Disease and pregnancy, drug interactions to avoid in the neuro ICU, an update on neurostimulant use, and recommendations for laboratory monitoring of target-specific oral anticoagulants. Attendees are encouraged to bring their own cases/examples to the course for discussion.

Professionalism and Leadership

Course Director: Lori Shutter, MD, FNCS, FCCM

This course covers essential skills for a successful career. These include how to interview for a job, how to negotiate a contract, how to seek out career development, developing team building skills, and wellness and work/life balance.