

17TH ANNUAL MEETING

CONNECTIVITY

WORKING TOGETHER, IMPROVING LIVES

OCTOBER 15-18, 2019 • VANCOUVER CONVENTION CENTRE
VANCOUVER, BRITISH COLUMBIA, CANADA
www.neurocriticalcare.com/AnnualMeeting

REGISTER
TODAY

NEUROCRITICAL
CARE SOCIETY

ABOUT THIS YEAR'S EVENT

Why Attend

Join more than 1,000 fellow neurocritical care professionals and advance your knowledge through educational sessions, hand-on workshops and oral research presentations. Visit the Exhibit Hall to hear about the latest products and solutions in the neuro-ICU, and take advantage of variety of networking events to meet new colleagues and connect with old friends.

Attendees will have the opportunity to learn about the latest advancements in various disease states in neurocritical care including stroke, post-cardiac arrest, traumatic brain injury, advanced neuromonitoring, and more. As the only educational meeting solely focused on the science of neurocritical care, we hope you will join us in Vancouver!

17th Annual Meeting Planning Committee Co-Chairs

Mary Kay Bader, RN, MSN, CCNS, FNCS, FAHA

Lori Shutter, MD, FCCM, FNCS

Target Audience

This activity is designed for:



PHYSICIANS



NURSES



PHARMACISTS



**ADVANCED
PRACTICE PROVIDERS**



**RESEARCHERS
AND SCIENTISTS**



TRAINEES
(including residents/fellows)

Learning Objectives

- Discern clinical practice and challenges for neurocritical care patients around the globe.
- Identify best practice strategies and clinical challenges when caring for neurocritical care patients with traumatic brain injury, intracranial hemorrhage, stroke and central nervous system infections.
- Examine ongoing clinical trials, controversies in clinical practice and end-of-life decision-making strategies in the care of patients with neurologic injury.
- Determine opportunities to use neuromonitoring, informatics, genomics and quality metrics in the neuroscience ICU to improve quality of care.
- Identify challenges and strategies for prognostication and management of critically ill patients with hypoxic-ischemic encephalopathy, near-brain dead conditions, and post-ICU syndrome.

Accreditation

In support of improving patient care, this activity is has been submitted by the Neurocritical Care Society for review and approval by Ciné-Med. Ciné-Med 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. A complete breakdown of continuing education unit totals will be available in late spring.

APPROXIMATELY

30

CME CREDIT
HOURS

SCHEDULE AT A GLANCE

MONDAY, OCTOBER 14	
8:00 a.m. – 12:00 p.m.	Transcranial Doppler Course Part 1 – Physics & Background
	Essentials of Neurocritical Care Course Part 1
12:00 p.m. – 3:30 p.m.	Professionalism & Leadership (P&L) Sessions
1:00 p.m. – 4:30 p.m.	Essentials of Neurocritical Care Course Part 2
1:00 p.m. – 5:00 p.m.	Transcranial Doppler Course Part 2 – Hands-on Skills
4:30 p.m. – 8:30 p.m.	Research Mentoring Program (<i>Pre-approved applicants only</i>)
	Future Leaders Forum
TUESDAY, OCTOBER 15	
7:30 a.m. – 11:30 a.m.	MORNING WORKSHOPS
	Advanced Practice Providers
	Basic Airway and Bronchoscopy
	Bioinformatics and Machine Learning for Data-driven Research
	Brain Death Determination
	Critical Care Ultrasound
	Transcranial Doppler Course Part 3 – 50 Cases
	Essentials of Neurocritical Care Course Part 3
	Practice Update Part 1
	12:45 p.m. – 4:45 p.m.
Advanced Hemodynamics	
Applied Neuromonitoring	
Building a Quality Improvement Program in the NICU	
Critical Care EEG	
Intracranial Monitoring	
Neurocritical Care Pharmacotherapy	
Transcranial Doppler Course Part 4 – 50 Cases	
Essentials of Neurocritical Care Course Part 4	
Practice Update Part 2	

TUESDAY, OCTOBER 15	
<i>Conference Opening</i>	
5:00 p.m. – 6:00 p.m.	Awards Ceremony
6:00 p.m. – 7:30 p.m.	Welcome Reception and Exhibits
	Pharmacy Reception
7:30 p.m. – 9:00 p.m.	Mentorship Mingle: Recruitment Forum for Residents and Fellows
WEDNESDAY, OCTOBER 16	
7:00 a.m. – 7:30 a.m.	Continental Breakfast in the Exhibit Hall
7:00 a.m. – 10:30 a.m.	Exhibit Hall Open
7:30 a.m. – 8:30 a.m.	Keynote Presentation: Will Medical Culture Ever Be Healthy Enough for its Workers? <i>Shelly Dev, MD, FRCPC</i>
10:15 a.m. – 11:40 a.m.	MORNING SESSIONS
	Clinical Trials
	International Practices: Breaking Barriers
1:00 p.m. – 2:00 p.m.	PBI CARE: Penetrating Brain Injury – Civilian and Armed Forces Experiences
	AFTERNOON SESSIONS
	Optimizing Outcomes: Improved Care Transitions and Early Rehabilitation
2:15 p.m. – 3:45 p.m.	SNACC-NCS Joint Panel: Measuring Quality & Safe Transition of Care for Neurological Patients: Exploring Opportunities for Collaborative Efforts
	The Effect of Digitalization of Medicine on Provider Professionalism and Patient Safety
3:00 p.m. – 6:30 p.m.	AFTERNOON SESSIONS
	Platform Presentations
	Cutting Edge Critical Care for the Neurointensivist
4:00 p.m. – 5:00 p.m.	International Practices: Bridging the Gaps
	Exhibit Hall Open
4:00 p.m. – 6:00 p.m.	Poster Session 1
4:00 p.m. – 6:00 p.m.	Happy Hour in the Exhibit Hall
6:00 p.m. – 7:30 p.m.	Women in Neurocritical Care (WINCC) Presentation and Networking
7:30 p.m. – 9:00 p.m.	International Reception (<i>By invitation only</i>)

SCHEDULE AT A GLANCE

THURSDAY, OCTOBER 17	
7:00 a.m. – 7:50 a.m.	6th Annual Run for Research
8:30 a.m. – 9:00 a.m.	Continental Breakfast in Exhibit Hall
8:30 a.m. – 12:30 p.m.	Exhibit Hall Open
9:00 a.m. – 10:30 a.m.	MORNING SESSIONS
	Current Topics in Acute Ischemic Stroke: Groin, Blood Pressure, and Drugs
	Pediatric Multi-modal Non-invasive Neuromonitoring: Applications in Cardiac Arrest and Traumatic Brain Injury
	The Promise and Perils of Artificial Intelligence for Neurocritical Care
10:45 a.m. – 11:45 a.m.	Poster Session 2
1:00 p.m. – 2:30 p.m.	AFTERNOON SESSIONS
	Perfusion and Inflammation: Controversies and Therapeutic Approaches in Young Adult Stroke
	Subarachnoid Hemorrhage – 2020 Beholds!
	We're Going to Need a Bigger Boat: Crossing the Blue Ocean to Cure Coma Future Directions for Neurocritical Care Research
2:45 p.m. – 4:15 p.m.	AFTERNOON SESSIONS
	Brain Death: Controversies and Updates
	Practical Clinical Application of MMM for Faster and Focused Care
	The Plural of Anecdote is Not Data: Treatment Challenges in ICH and the Way Forward
3:00 p.m. – 6:15 p.m.	Exhibit Hall Open
4:30 p.m. – 5:30 p.m.	AFTERNOON SESSIONS
	Debates Session: Controversial Topics in Neurocritical Care
	Delirium Identification and Treatment: The Canary in the Neurocritical Care Unit
	Intersection of Oncology and Neurocritical Care: CAR T-cell Therapeutics
5:30 p.m. – 6:15 p.m.	Cocktail Hour in the Exhibit Hall
7:00 p.m. – 10:00 p.m.	Annual Banquet

FRIDAY, OCTOBER 18	
8:00 a.m. – 9:00 a.m.	Continental Breakfast in Exhibit Hall
8:00 a.m. – 10:30 a.m.	Exhibit Hall Open
8:00 a.m. – 5:00 p.m.	Emergency Neurological Life Support (ENLS) 4.0 Live Course
9:15 a.m. – 10:45 a.m.	MORNING SESSIONS
	Big Data in Neurocritical Care: What, Why, and How
	NCS Guidelines Update
	Updates in the Management of Refractory Status Epilepticus
11:00 a.m. – 12:00 p.m.	MORNING SESSIONS
	Connecting with the Unconnected: Undocumented, Unbefriended, and Unlikely to Improve
	Expanding Telemedicine for Neurocritical Care
	Measuring Outcomes in Neurocritical Care: The Quest for the Holy Grail(s)



CAN'T MISS EVENTS

Keynote Overview



Shelly Dev, MD, FRCPC

Will Medical Culture Ever Be Healthy Enough for its Workers?

Objectives:

1. Reflect on how professionalism is defined by our current medical culture.
2. Consider the impact medical culture has on the worker's ability to achieve mental and physical well-being.
3. Discuss individual- and community-based strategies to promote culture change.

Poster and Platform Presentations

The core of the NCS Annual Meeting is the showcase of new work from the most important investigators — YOU! Posters will be on display Wednesday and Thursday. Join Poster Professors during each poster session to discuss specific topic areas that interest you. Several top abstracts will be selected for Platform Presentations prior to the poster sessions.

Members and non-members are encouraged to submit an abstract by May 31, as there will not be any extensions or late-breaking submissions this year.

Networking Opportunities

Connect with colleagues across the neurocritical care field during dedicated networking times, in the exhibit hall and between sessions. Take advantage of specific networking activities such as:

- Welcome Reception
- Annual Banquet
- Women in Neurocritical Care (WINCC) Presentation and Networking
- Advanced Practice Provider Reception
- Pharmacy Reception
- Mentorship Mingle: Recruitment Forum for Residents and Fellows
- Cocktail Hours in the Exhibit Hall
- Run for Research

ENLS V4.0 Live Course

Friday, October 18 | 8:00 a.m. – 5:00 p.m.



This session will introduce the latest content updates to the Emergency Neurological Life Support (ENLS) Course.

ENLS is an educational certification program designed to provide advisory instruction regarding management of 14 neurological emergencies, each addressing a distinct category of neurological injury. ENLS aims to improve patient care and outcomes and demonstrates a collaborative, multi-disciplinary approach appropriate for practitioners and providers from various backgrounds who work in

environments of variable medical complexity. The course is centered on standardized treatment algorithms, checklists, and a structured communication of findings and concerns to other healthcare professionals.

This new version includes special sections on patient transport, clinical pearls, and nursing and prehospital considerations. The ENLS exam questions and lecture slides have also been thoroughly updated. **Successful completion of this live course and accompanying online exams will provide two-year ENLS certification or recertification, and up to 15 hours of continuing education.**

WORKSHOPS

Transcranial Doppler (TCD) Course Part 1-4

Part 1: Monday, October 14 | 8:00 a.m. – 12:00 p.m.

Part 2: Monday, October 14 | 1:00 p.m. – 5:00 p.m.

Part 3: Tuesday, October 15 | 7:30 a.m. – 11:30 a.m.

Part 4: Tuesday, October 15 | 12:45 p.m. – 4:45 p.m.

Course Director: Aarti Sarwal, MD

This workshop offers four half-day sessions, equaling two full days of coursework and hands-on skills development for transcranial doppler. Credits can be obtained to count toward the total 40 hours required to qualify for the ASN Neurosonology examination (www.asnweb.org). The completion of all four courses will provide registrants with an in-depth review of applied principles of ultrasound physics, cerebral hemodynamics, critical review of clinical indications of transcranial doppler, reading reports, billing tips and building a neurovascular program. Interactive case presentations can be credited toward the 100 total case interpretation experience required to take the TCD part of the ASN examination.

Essentials of Neurocritical Care Course Part 1-4

Part 1: Monday, October 14 | 8:00 a.m. – 12:00 p.m.

Part 2: Monday, October 14 | 1:00 p.m. – 5:00 p.m.

Part 3: Tuesday, October 15 | 7:30 a.m. – 11:30 a.m.

Part 4: Tuesday, October 15 | 12:45 p.m. – 4:45 p.m.

Course Directors: Roy Peblete, MD; David Seder, MD

This course is designed to review and teach the essentials of neurocritical care through a combination of on-line and in-person hands-on workshops. There will be 14 different required topic modules which participants will access the text and lectures on-line. Training will culminate with an intensive 2 days of hands-on workshops which will teach specific neurocritical care techniques. Neurocritical care concepts will be brought together throughout the workshops and also during case discussion sessions. As an added bonus, participants will be given a 1-year subscription to Neurocritical Care ON CALL.

Practice Update

Part 1: Tuesday, October 15 | 7:30 a.m. – 11:30 a.m.

Part 2: Tuesday, October 15 | 12:45 p.m. – 4:45 p.m.

Course Co-Chairs: Gisele S. Silva, MD, MPH, PhD; Fernando D. Goldenberg, MD

The practice update serves all attendees who desire up-to-date information about neurocritical care clinical practice topics. The course is aimed at all clinicians (APPs, nurses, pharmacists, physicians, and trainees) and is designed to educate attendees from around the globe. The update is conducted by speakers who are experts in their fields. The talks focus on reviews of recent (within the last three years) principles in pathophysiology, diagnosis, and management of core neurocritical and general critical care topics.

Topics include:

- Cerebral Infarction
- Intracerebral Hemorrhage
- Aneurysmal SAH
- Cerebral Edema & Glymphatics
- Mechanical Ventilation, Weaning and Extubation
- Neuromuscular Disorders
- Encephalopathies and Delirium
- Management of Traumatic Brain Injury
- Infectious and Autoimmune
- Encephalitis & Meningitis
- Principles of Antibiotic Use in the ICU/Sepsis
- Comatose States and Brain Death
- Seizures and Status Epilepticus
- Spinal Cord Injury
- Multidisciplinary Practice Considerations
- Multimodality Monitoring
- Neuroprognostication
- Neuropharmacotherapy

Practice Update Learning Objectives:

- Identify recent practice updates for consideration in neurocritical care patients.
- Determine the most up-to-date diagnostic work-up for neurocritical care patients.
- Recognize multidisciplinary challenges and solutions to optimizing care of neurocritical care patients.
- Develop evidence-based up-to-date management strategies for neurocritical care patients.

WORKSHOPS

Half-Day Workshops

Tuesday, October 15 | 7:30 a.m. – 11:30 a.m.

Basic Airway and Bronchoscopy

Course Director: Ines Koerner, MD, PhD

This is a hands-on workshop that teaches fundamentals of airway management and critical care bronchoscopy. Brief didactic sessions cover indications, techniques and devices in case-based reviews. Participants then get to practice fundamental intubation skills including the use of airway rescue devices at instructor-led skill stations. Bronchoscopy stations provide opportunities to learn basic airway inspection and bronchoalveolar lavage. Pick up new skills, or practice existing ones — dynamic faculty will support individualized learning.

Advanced Practice Providers

Course Directors: Dea Mahanes, MSN, RN, CCNS, CCRN; Liz Fox, CNS, AGACNP-BC

Advanced Practice Providers contribute to the care of critically ill neuroscience patients in many ways. This session focuses on both clinical care and role-specific professional issues. Specific clinical topics include the diagnosis and treatment of status epilepticus and concepts in targeted temperature management. Information will be presented using a case-based approach, allowing participants to apply diagnostic reasoning and management principles, integrating critical care concepts such as hemodynamic support, sedation/analgesia selection, and critical care EEGs. Professional practice issues will also be addressed, focusing on topics such as APP team structure, ongoing development, and how to achieve satisfaction and purpose throughout your career.

Bioinformatics and Machine Learning for Data-Driven Research

Course Director: Rajat Dhar, MD, FRCPC

“Data” forms the bedrock of scientific discovery in the 21st century. Data-driven research has the potential to revolutionize the practice of neurocritical care, a discipline steeped in acquisition of multi-dimensional data on our patients with a variety of brain injuries. We now have the ability to collect and analyze data regarding not only clinical complications and outcomes but also physiology, imaging, and biologic data such as genetics and gene expression.

This hands-on workshop will provide an opportunity for interactive learning to understand concepts of data science, as well as how to approach data manipulation and analysis. These concepts will be taught using real-world examples relevant to neurocritical care. Faculty are leading experts in data-driven research and machine learning. Attendees will have the chance to work with real de-identified data sets containing physiologic data, acute brain imaging, and patient genotypes. Attendees will learn the core principles of machine learning and how data science can be utilized to dissect patterns in data more deeply. The workshop will teach approaches on building platforms for data extraction, visualization, and analysis. Attendees will familiarize themselves with available image segmentation software and principles of computer vision in performing quantitative lesion analysis; attendees will also be acquainted with data analysis toolsets for association testing of patient genotypes and clinical phenotypes. Attendees are expected to bring a laptop and will receive data and links to download necessary software in advance of the workshop. Hands-on experience will be supplemented by interactive demonstrations by faculty of advanced principles.

WORKSHOPS

Half-Day Workshops (Continued)

Tuesday, October 15 | 7:30 a.m. – 11:30 a.m.

Brain Death Determination

Course Director: David Greer, MD

Correct determination of brain death is an essential skill for anyone practicing neurocritical care. A full understanding of the principles, techniques and pitfalls is essential to good practice. This course will provide an in-depth educational experience for practitioners of all levels, providing a clear and comprehensive explanation of the principles of brain death, including prerequisites, avoiding confounders, proper examination technique, apnea testing procedures, and when to use ancillary tests. Participants will have hands-on experience using manikins, with bedside instruction from experienced senior clinicians. There will also be education regarding pediatric brain death determination, as well as how to perform effective communication about brain death, particularly what to do when families/surrogates challenge the diagnosis.

Critical Care Ultrasound

Course Director: Jose Diaz-Gomez, MD

Neurocritically ill patients may have several cardiopulmonary morbidities requiring emergency intervention. Timely (noninvasive) diagnosis is key to prevention as well as effective management of such complications. Critical care ultrasound skills hence have become indispensable in the practice of intensive care. This workshop will provide participants with rigorous instruction in the acquisition and use of cardiopulmonary ultrasonography in the neurocritical care setting. Attendees will learn introductory knobology for imaging optimization using different ultrasound machines and perform heart and lung ultrasounds. Clinical algorithms using heart and lung ultrasound and case based reviews of use of ultrasound in the deteriorating patient will be presented via high quality didactics, followed by hands-on skills stations.



WORKSHOPS

Half-Day Workshops

Tuesday, October 15 | 12:45 p.m. – 4:45 p.m.

Intracranial Monitoring

Course Director: Amedeo Merenda, MD

This hands-on workshop will focus on the fundamentals and bedside implementation of both basic and advanced intracranial monitoring technologies for the goal of preventing or minimizing secondary brain injury. It is designed for health care providers in neurology, neurosurgery, emergency medicine and intensive care who care for patients with acute severe brain injury. The first hour of the course will be case-based, providing a review of guidelines on the indications and interpretation of intracranial monitoring technologies that can assist in clinical-decision making and optimization of care for patients with acute brain injury. The majority of the workshop will be a hands-on training session in which all attendees will learn and practice techniques on plastic skulls. Attendees will learn to insert, set up, manage, and remove intracranial monitoring devices including ventriculostomy, intraparenchymal ICP monitors, brain tissue oxygen probes, cerebral blood flow monitors and cerebral microdialysis. The workshop will enhance the participant's practical utilization of these intracranial tools that have the potential to guide and fine-tune therapy during neurointensive care.

Neurocritical Care Pharmacotherapy

Course Director: Aaron Cook, PharmD

Expert faculty from across the country will cover new, controversial, and evidence-based pharmacotherapy strategies for the neurocritically ill in a case-based and interactive learning environment. This year's topics include: unique monitoring strategies in anticoagulant/antiplatelet reversal, an update on paroxysmal sympathetic hyperactivity, neuro-specific issues in alcohol withdrawal, innovative medication use strategies, drug dosing & safety in plasmapheresis, and a contemporary discussion of newer/novel anti-epileptic agents in status epilepticus. Attendees are encouraged to bring their own cases/examples to the course for discussion.

Advanced Hemodynamics

Course Director: Christos Lazaridis, MD, EDIC

This workshop provides concise, clinically-oriented reviews of:

- A) Basic and advanced pathophysiologic concepts including Shock physiology; cardiac output and venous return curves; fluid responsiveness; heart-lung interactions; assessment of organ perfusion; and review of vasoactive medications
- B) Principles of "minimally invasive" hemodynamic monitoring modalities based on arterial pressure waveform, and pulse contour analysis, transpulmonary thermodilution, and thoracic bioreactance
- C) Case discussions centered on the role for hemodynamic monitoring and optimization for the following clinical scenarios: 1. Severe TBI with monitoring of partial brain tissue oxygenation (\pm acute respiratory distress syndrome), 2. Aneurysmal Subarachnoid Hemorrhage with stress cardiomyopathy (\pm delayed cerebral ischemia), 3. Spinal cord injury with neurogenic shock, and 4. Management of the brain-dead organ donor.

Finally, attendees will have the hands-on opportunity to familiarize themselves with a variety of monitoring devices. Faculty comprises experienced intensivists from diverse backgrounds including medicine, anesthesia, and neurology.

WORKSHOPS

Half-Day Workshops (Continued)

Tuesday, October 15 | 12:45 p.m. – 4:45 p.m.

Applied Neuromonitoring

Course Director: Soojin Park, MD, FAHA, FNCS

This workshop provides a stepwise approach to the practical implementation of managing and visualizing the data from a multimodal neuromonitored patient, established through real cases. You will learn the fundamentals of practical data acquisition and analysis. Finally, we will provide an overview of possibilities for research using high-resolution data.

Attendees will discover methods to acquire and process multimodality data for real-time management and research. Knowledge of programming and scripting languages, though welcome, is not required to successfully participate in this course. Required software and example data will be provided for the workshop. You will need to bring a laptop (with administrator access in order to be able to install the software) to fully benefit from this course.

Building a Quality Improvement Program in the NICU

Course Directors: Casey Olm-Shipman, MD; Debra Roberts, MD, PhD

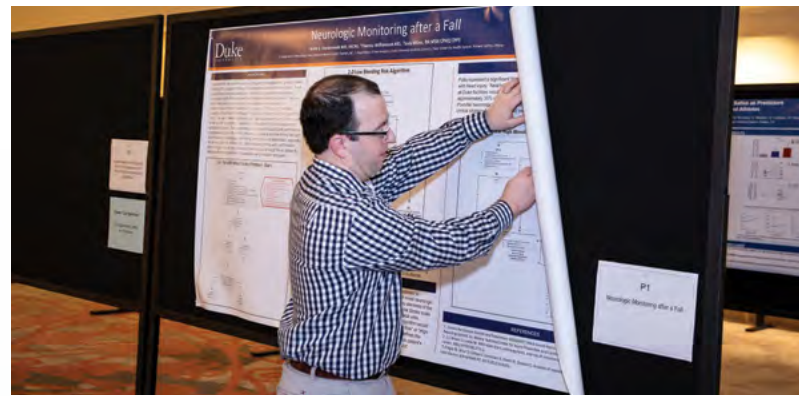
The Quality and Performance Improvement Workshop (QPIW) will provide crucial concepts necessary for NCS leaders to develop effective multidisciplinary neurocritical care QI programs within their institutions. QPIW will enhance knowledge essential to improving process and outcome measures in neurocritically ill patients. Existing guidelines and performance measures will be reviewed as a foundation for development of QI projects. With these tools in mind, we will explore the nuts-and-bolts of building a comprehensive neurocritical care QI program, which include building a multidisciplinary QI team, garnering buy-in from institutional leadership and establishing administrative support, identifying and tracking neurocritical care QI metrics, and developing infrastructure for data collection and display.

The workshop will include case illustrations of how to design and implement QI projects. We will conclude with a discussion of pathways to scholarship in QI. Course participants will receive a valuable electronic guide describing useful resources pertinent to conducting QI in neurocritical care, including QI-relevant guidelines, databases, and project development materials.

Critical Care EEG

Course Director: Jan Claassen, MD, PhD, FNCS

We will demonstrate rounding practices in the ICU with the benefit of EEG monitoring. We will discuss current and evolving approaches of quantitative EEG analysis. The workshop will provide a theoretical overview, interactive group discussion with audience participation, and a hands-on skills station to familiarize participants with the use of the EEG software. The overarching goal will be to empower attendees with knowledge about the current and future potential of EEG as a neuromonitoring tool.



SPONSORS AND EXHIBITORS

(AS OF APRIL 15, 2019)

Thank you the sponsors for their continued support of the NCS Annual Meeting

PLATINUM LEVEL



GOLD LEVEL



SILVER LEVEL



GRANT SUPPORT

This activity is being supported in part by educational grants from The Integra Foundation.

EXHIBITORS

American Association of
Neuroscience Nurses (AANN)
American Board of
Neuroscience Nursing (ABNN)
Arbor Pharmaceuticals, LLC
Attune Medical
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of America
Zoll Medical Corporation

REGISTRATION INFORMATION

REGISTRATION TYPE	REGULAR REGISTRATION April 1-Sept. 6	LATE REGISTRATION On or after Sept. 7
Healthcare Professional and Trainee Member	\$585	\$610
Group A Healthcare Professional and Trainee Member	\$465	\$490
Group B Healthcare Professional and Trainee Member	\$190	\$205
Physician Member	\$925	\$950
Group A Physician Member	\$775	\$800
Group B Physician Member	\$190	\$205
Healthcare Professional and Trainee Member Non-Member	\$675	\$700
Group A Healthcare Professional and Trainee Non-Member	\$540	\$565
Group B Healthcare Professional and Trainee Non-Member	\$190	\$205
Physician Non-Member	\$1,050	\$1,075
Group A Physician Non-Member	\$825	\$850
Group B Physician Non-Member	\$190	\$205

More information about registration types can be found online at www.neurocriticalcare.org/AnnualMeeting.

CONFERENCE INFORMATION

Registration Cancellation Policy

All cancellations for conference or workshop registrations received by Friday, September 6, 2019, are subject to a \$50 cancellation fee. A \$50 cancellation fee will also apply to any conference workshop that is canceled by Friday, September 6, 2019. Written notification of your cancellation is required in order to process your refund. No refunds will be issued after Friday, September 6, 2019. Please note: workshop sessions that do not meet the minimum requirement of attendees by Friday, September 6, 2019, will be canceled. In the event that your workshop is canceled, a member of the NCS Headquarters team will contact you.

Hotel Reservations

NCS Annual Meeting hotels are for registered attendees only. You will have the opportunity to book your hotel immediately after completing your online registration.

Once you have completed your registration, follow the directions in your registration confirmation email, which will direct you to the online reservation system for the NCS Annual Meeting.

All hotel rooms are available on a first-come, first-served basis. Rooms may sell out, so we encourage attendees to register and book their rooms early.

Available NCS hotels include:

Fairmont Waterfront

- Pending room type, room rates range from: \$275 – \$309/night (CAD)

Pan Pacific Vancouver

- Pending room type, room rates range from: \$269 – \$319/night (CAD)

Pinnacle Hotel Vancouver Harbourfront

- Pending room type, room rates are: \$245/night (CAD)

Room Share

Need to cut costs and want to share a room? The room share sign up can be found on the NCS website. Visit www.neurocriticalcare.org/AnnualMeeting for more information.

Enjoy Vancouver

Vancouver is a city like no other. In Vancouver, the Pacific Ocean laps up against the sparkling glass towers of downtown. The mountains are so close you can hike, ski, or find a scenic lookout within 20 minutes, and there is a 1,000-acre temperate rainforest (Stanley Park) in the city centre. Catering to any interest throughout the year, you can enjoy world class shopping, gourmet meals, outstanding live entertainment, sporting events, theatre, outdoor adventure, spectacular sights and attractions — it's all waiting for you in Vancouver.

