Acute Care Neurology and Neurosurgery: From the ER to the OR to the NCCU

Friday, June 1, 2012
Swedish Education and Conference Center
Swedish Medical Center/Cherry Hill
500 17th Avenue
Seattle, WA 98122
Course Description
After completion of this course, participants will be better able to evaluate and manage acute-care issues in hospitalized neurological and neurosurgical patients. This focused primer will provide a framework for recognition and management of commonly encountered problems in acute care neurollogy and neurosurgery. Sessions will be interactive with audience polling.

Intended Audience
This course is intended for any clinician caring for acutely ill neurological and neurosurgical patients. It will be particularly beneficial to adult hospitalists, nocturnists, pulmonologists, emergency medicine physicians and advanced practice clinicians.

Needs Statement
Hospitalist medicine is a rapidly growing discipline. Hospital-based specialists have emerged in a number of disciplines, including neuroscience. However, there remain a limited number of specialty providers available for 24-hour hospital coverage of neurological and neurosurgical patients. Night and weekend care of these patients is often provided by internists or hospitalists. Hence, there is a need to train internists and hospitalists in the recognition and management of commonly-encountered issues in acute-care neurology and neurosurgery. Specialized clinical neuroscience training allows hospitalists to triage calls and evaluate and manage these patients, ensuring around-the-clock in-house physician coverage. It also augments the ability of hospitalists to co-manage neurological and neurosurgical patients.

Planning Committee
Todd Czartoski, M.D., Course Chair
Sarah Jost, M.D.
Arthur Lam, M.D.
Yince Loh, M.D.
Sherene Schlegel, R.N., BSN, FAHA
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Acknowledgments
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Location/Directions/Parking
Swedish Medical Center/Cherry Hill is located at 500 17th Avenue in Seattle, Washington. The conference will be held in the Swedish Education and Conference Center on the first floor of the James Tower. Parking is available in the garage on 16th Avenue between Cherry and Jefferson. From I-5 (northbound and southbound), take the James Street exit. Travel east on James Street. James will become Cherry Street. Turn right (south) on 16th Avenue. Turn right into the main garage entrance.

Agenda
7 a.m.  Check-in and Continental Breakfast
7:20 a.m.  Welcome
   Todd J. Czartoski, M.D.
7:30 a.m.  Keynote: Evolution of Neurocritical Care
   Paul M. Vespa, M.D., FCCM, FAAN
8:30 a.m.  Critical Care and the Role of Telemedicine
   Tammy Cress, R.N., MSN
9 a.m.  Maximizing ICU Throughput and Getting to Operational Efficiency
   Derel Finch, M.D.
9:30 a.m.  Break
9:50 a.m.  SAH Medical Management
   Arthur Lam, M.D., FRCPC
10:10 a.m.  SAH Surgical Treatment
   David W. Newell, M.D.
10:30 a.m.  Post-Embolization Care for Subarachnoid Hemorrhage
   Yince Loh, M.D.
11 a.m.  Critical Care of the Post-op Neurosurgical Patient
   Steven Deem, M.D.
11:30 a.m.  Medical Management of ICH
   John F. Zurasky, M.D.
Noon  Lunch (provided)
12:30 p.m.  Challenging Neuroimaging
   Bart Keogh, M.D., Ph.D.
1 p.m.  Medical Management of the Neurologic Patient in the NCCU
   Jon Huseby, M.D.
1:30 p.m.  Guillain–Barré Syndrome and Myasthenic Crisis
   Jordan Reichman, M.D.
2 p.m.  Approaches to Refractory Status Epilepticus
   Michael Doherty, M.D., FAAN
2:30 p.m.  Break
2:45 p.m.  Acute Stroke Management: MCA Syndrome
   William Likosky, M.D., FAHA, FAAN
3 p.m.  Ethics and Decision-Making in Neurointensive Care
   Claire Creutzfeldt, M.D.
3:30 p.m.  Palliative Care
   Janice Connolly, M.D.
4 p.m.  The Road to Effective Communication: Recognizing Road Blocks and Staying Off the Path to Litigation
   Rhonda Perna, R.N., JD, MBA
4:30 p.m.  Adjourn

For Further Information
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Course Objectives
At the conclusion of this symposium, the participant will provide better patient care through an increased ability to:

- Discuss the growth of evidence for neurocritical care, define the main treatment endpoints in Neuro-ICU and outline brain monitoring for brain-injured patients
- Outline the various models for Telehealth in the ICU setting and describe advantages and disadvantages of various TeleICU support models
- Describe the importance of ICU throughput and outline the factors that affect ICU throughput
- Review medical management of subarachnoid hemorrhage (SAH) and outline rationale for the treatment of vasospasm
- Describe surgical approaches to treatment of SAH, including aneurysms and arteriovenous malformations
- Describe the advantages and disadvantages of heparin infusion, discuss blood pressure optimization and review ventriculostomy management in patients undergoing endovascular treatment of SAH
- Review postoperative management of patients undergoing craniotomy and major spine surgery and discuss common complications and their management after craniotomy and major spine surgery
- Review the diagnosis, differential diagnosis and early and late medical management of intracerebral hemorrhage (ICH)
- Avoid common pit-falls in neuroimaging, review perfusion imaging and discuss the limitations of conventional anatomic imaging
- Describe medical complications of neurological and neurosurgical patients; review a checklist for the care of patients in the NCCU; and outline respiratory, diabetic and antihypertensive management
- Identify acute neuromuscular disease, review the basics of treatment and outline the role of the ICU in managing patients with neuromuscular disease
- Review basic protocols and approaches to managing status epilepticus; workup and treat difficult status epilepticus; and discuss ECT, IVIG, plasmapheresis, steroids and other therapies for status management
- Outline treatment options for management of the MCA syndrome and review the criteria for hemi-craniectiony in MCA syndrome
- Outline the decision-making processes especially in the setting of prognostic uncertainty, review the use of time-limited trials and discuss general principles of medical ethics
- Describe the concept of palliative care and specifically how it relates to neurology and neurosurgery patients
- Identify common areas of patient miscommunication; apply effective strategies to prevent miscommunication with patients, families and others on the health-care team; and outline the health-care provider's role in claims management defense

Accreditation with Commendation
Swedish Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™
Swedish Medical Center designates this live activity for a maximum of 8.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing CE Contact Hours
Clinical Education and Practice, Swedish Medical Center is an approved provider of continuing nursing education by the Washington State Nurses Association Continuing Education Approval & Recognition Program (CEARP), an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Clinical Education and Practice will provide 8 contact hours for this activity. For more information about nursing contact hours, please contact vicki.enslow@swedish.org.

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