LEARNING OBJECTIVES

- Identify time-critical windows for anticoagulation and antiplatelet therapy in the neurocritical care setting.
- Identify the indications for hypothermia and its role in the treatment of traumatic brain injury, its effects on the cerebral circulation and metabolism.
- Identify the physiopathology and diagnosis of subarachnoid hemorrhage.
- Define key concepts for the use of multimodality monitoring and develop strategies to implement as part of a multimodal approach to the care of patients with critical neurologic disease.
- Define brain death and how it applies in the neurocritical care setting.
- Differentiate status epilepticus (SE), convulsive and nonconvulsive status epilepticus and apply evidence-based guidelines for the management of SE.
- Examine the physiopathology of traumatic brain injury, its effects on the cerebral circulation and metabolism and assess implementation strategies of therapeutic hypothermia.
- Recognize the critical role of nursing management elements with which to approach critically ill neurological patients. Practitioners will be provided with an array of contemporary guidelines for the management of fever in the ICU patient. The course will be presented by a multidisciplinary team of experts in the field of nursing, neurology, cardio-thoracic surgery, neurosurgery, and critical care.

COURSE DESCRIPTION

The format of this conference is centered on clinical cases regarding issues in Neurocritical Care, particularly those that generate practical controversy, and that are related to recent advances pertaining to the management of the critically ill neurological patients. The case-based format will allow participants to observe and witness experts deliberate how they would manage critically-ill neurological cases, and how they interact in multidisciplinary care and its impact on multidisciplinary continuing improvement process for medical complications that contribute to morbidity and mortality and apply evidence-based strategies for decreasing brain injury using imaging technology.

Earn up to 8.0 CME Credits and 8.0 CNE contact hours

AGENDA

COMING SOON - Agenda to be announced shortly

Welcoming Remarks

Matthew Vibbert, MD

7:00 AM

8:00 AM

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Break/Exhibits

8:00 AM

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Hypothermia

Barak Bar, MD

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Anticoagulation and Antiplatelet Therapy in the Neurocritical Care Setting

Fred Rincon, MD, MSc, MBE, FACP, FCCP

10:30 AM

11:30 AM

12:30 PM

1:30 PM

2:30 PM

3:30 PM

4:30 PM

Inflammatory Markers

M. Kamran Athar, MD

7:30 AM

8:30 AM

9:30 AM

10:30 AM

11:30 AM

12:30 PM

1:30 PM

2:30 PM

3:00 PM

4:00 PM

Management of Fever in Neuro ICU - Role of Inflammatory Markers

Carissa Pineda, MD

9:30 AM

10:30 AM

11:30 AM

12:30 PM

1:30 PM

2:30 PM

3:00 PM

4:00 PM

Status Epilepticus (SE)

Andrew B. Newberg, MD

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

ICU Electroencephalography (EEG)

Barak Bar, MD

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

ICU Management of Spinal Cord Injury

Matthew Vibbert, MD

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Subarachnoid Hemorrhage (SAH)

Rodney D. Bell, MD

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Brain Death

Matthew Vibbert, MD

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Acute Stroke: Care in ICU & Medical Management

Claudia Robertson, MD

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Cardiac Arrest, Cooling, Rapid Infusion and Follow-up

Fred Rincon, MD, MSc, MBE, FACP, FCCP

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Fever in Neuro ICU - Role of Inflammatory Markers

Carissa Pineda, MD

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

Learning Objectives

Identify the physiopathology of spinal cord injury.
Identify time-critical windows for anticoagulation and antiplatelet therapy in the neurocritical care setting.
Identify the indications for hypothermia and its role in the treatment of traumatic brain injury, its effects on the cerebral circulation and metabolism.
Identify the physiopathology and diagnosis of subarachnoid hemorrhage.
Define key concepts for the use of multimodality monitoring and develop strategies to implement as part of a multimodal approach to the care of patients with critical neurologic disease.
Define brain death and how it applies in the neurocritical care setting.
Differentiate status epilepticus (SE), convulsive and nonconvulsive status epilepticus and apply evidence-based guidelines for the management of SE.
Examine the physiopathology of traumatic brain injury, its effects on the cerebral circulation and metabolism and assess implementation strategies of therapeutic hypothermia.
Recognize the critical role of nursing management elements with which to approach critically ill neurological patients. Practitioners will be provided with an array of contemporary guidelines for the management of fever in the ICU patient. The course will be presented by a multidisciplinary team of experts in the field of nursing, neurology, cardio-thoracic surgery, neurosurgery, and critical care.
Symposium: A Case-Based Approach

January 24, 2014

The College of Physicians of Philadelphia
19 South 22nd Street
Philadelphia, PA 19103

http://jeffline.jefferson.edu/jeffcme/Neurosurgery/

COURSE DESCRIPTION

This innovative course will be of interest to all specialists working in the fields of emergency medicine, internal medicine, hospital medicine, neurology, critical care, and neurosurgery. This conference offers participants a unique opportunity to witness experts deliberate how they would manage critically-ill neurological patients according to the most recent evidence.

The format of this conference is centered on clinical cases regarding issues in Neurocritical Care, particularly those that generate practical controversy, and that are related to recent advances pertaining to the management of the critically ill neurological patient.

The course will be presented by a multidisciplinary team of experts in the field of nursing, neurology, cardi-thoracic surgery, neurosurgery, and critical care. Participants will gain in-depth understanding to how experienced healthcare providers approach difficult critically-ill neurological cases, and how they interact in critical decision making. The case-based format will allow participants to observe and question faculty members as they deal with real patient problems, and demonstrate how to apply new information and evidence-based guidelines into their practices.

The latest evidence-based guidelines sponsored jointly by the American Heart Association/American Stroke Association, the American Academy of Neurology, the Neurocritical Care Society, the Society of Critical Care Medicine, and the Congress of Neurological Surgeons and the American Association of Neurological Surgeons will be reviewed. Practitioners will be provided with an array of contemporary management elements with which to approach critically ill neurological patients.

LEARNING OBJECTIVES

At the conclusion of this course, participants should be able to:

- Identify the major neurologic and medical complications that contribute to morbidity and mortality and apply evidence-based strategies for decreasing the incidence and impact following subarachnoid hemorrhage.
- Define brain death and how it applies in the setting of brain injury.
- Identify the physiopathology of spinal cord injury and review recent advances in treatment modalities and future therapies.
- Identify the indications for multimodality monitoring and develop and implement goal-directed therapies in patients with critical neurologic disease.
- Differentiate status epilepticus (SE), refractory status epilepticus, non-convulsive and convulsive status epilepticus and apply evidence-based guidelines for the management of SE.
- Examine the physiopathology of traumatic brain injury, its effects on the cerebral circulation and metabolism and review recent advances in treatment modalities and future therapies.
- Recognize and interpret recent developments in the understanding of the physiopathology and diagnosis of brain injury using imaging technology.
- Assess and employ into practice current pharmacotherapy data on anticoagulation and antiplatelet therapy in the neurocritical care setting.
- Assess and employ into practice current pharmacotherapy data on anticoagulation and antiplatelet therapy in the neurocritical care setting.
- Identify time-critical windows for intervention after stroke.
- Define key concepts for the use of electroencephalography (EEG) as a diagnostic tool in brain-injured patients and assess implementation strategies of EEG monitoring for ICU patients in the prevention of secondary brain injury.
- Determine targets for temperature modulation and enumerate the indications for hyperthermia and normothermia in the setting of brain injury.
- Analyze the physiopathologic concepts related to the use of normothermia and hyperthermia relevant to the practice of neurocritical care.
- Identify the indications for hyperthermia and analyze physiopathologic concepts related to its use after cardiac arrest and the reperfusion injury.
- Demonstrate the applicability and utility of inflammatory markers in the diagnosis of fever in the ICU patient.
- Recognize the critical role of nursing care and its impact on multidisciplinary patient outcomes post stroke.
- Assess their individual practices in light of the information and discussions during the course, and identify specific strategies to implement as part of a continuing improvement process for their practices.

AGENDA

7:00 AM Registration, Continental Breakfast & Exhibits
7:50 AM Welcoming Remarks
Jack J. Jallo, MD, PhD and Rodney B. Bell, MD

8:00 AM Subarachnoid Hemorrhage (SAH)
Matthew Viibler, MD

8:30 AM Brain Death
Jaqueine Uchino, MD

9:00 AM ICU Management of Spinal Cord Injury
Jack J. Jallo, MD, PhD, FACVS

9:30 AM Multimodality Monitoring
Barak Bar, MD

10:00 AM Break/Exhibits

10:30 AM Status Epilepticus (SE)
Rodney Bell, MD

11:00 AM Traumatic Brain Injury (TBI)/Brain Edema/Concussion
Claudia Robertson, MD
Baylor College of Medicine

12:00 PM Lunch & Exhibits with Keynote Speaker
“Neuro-Imaging”
Andrew B. Newberg, MD

1:00 PM Acute Stroke: Care in ICU & Medical Management
Carissa Antinoff, MD

1:30 PM ICU Electroencephalography (EEG)
Jan Claassen, MD, PhD
Columbia University Medical Center

2:15 PM Hypothermia
Fred Rimon, MD, MSc, MBF, FACCP, FCCP

2:45 PM Break/Exhibits

3:00 PM Cardiac Arrest, Cooling, Rapid Infusion and Follow-up
Nicholas Cavarocchi, MD

3:45 PM Fever in ICU - Role of Inflammatory Markers
M. Karran Athar, MD

4:15 PM Patients in Nursing Management of Neurocritical Care Units
Catherine Harris, PhD, MBA, CRNP

5:00 PM Closing Remarks

Endorsed by the Neurocritical Care Society
REGISTRATION INFORMATION

The registration fee for the entire course is $150 for Practicing Physicians and $100 for Nurses and Allied Health Professionals before January 17, 2014. The Registration Fee includes all course materials, CME Certificate, CNE Certificate, and continental breakfast, lunch and refreshment breaks. The registration fee does not include parking. Your registration will be confirmed via email. Exhibits will be displayed throughout the conference. If you have any special needs, please contact the Office of CME by January 17, 2014 at 1-888-JEFF-CME.

CANCELLATIONS/REFUND POLICY

Requests for refunds must be submitted in writing and received in the Office of CME by January 17, 2014. There will be no refunds after this date. There will be a $25 processing fee for all refunds. Registrants who fail to attend the conference are responsible for the entire fee. All refunds will be processed after the conference. The University reserves the right to cancel or postpone this course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees, but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines or travel agencies.

REGISTRATION FEES

- $150 Practicing Physicians
- $100 Nurses & Allied Health Professionals
- $100 Practicing Physicians

TO REGISTER PLEASE USE ONE OF THE FOLLOWING OPTIONS:

REGISTER ONLINE: http://jeffline.jefferson.edu/jeffcme/Neurosurgery/

FAX: You may fax this form with credit card payment to (215) 923-3212

PHONE: For further information, please call the Office of CME at 1-888-JEFF-CME or 215-955-6992

MAIL TO:
Neurocritical Care Symposium 2014
Jefferson Medical College
Office of CME
1020 Locust Street, Suite M-5
Philadelphia, PA 19107

PAYMENT

Please make check payable to Jefferson Medical College, Office of CME, or provide Credit Card Information. Do not send cash. Registration will not be processed unless full payment is received.

- Venmo
- Visa
- Mastercard

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JEFFERSON CO-COURSE DIRECTORS
Jack I. Jallo, MD, PhD, FACS
Professor and Vice Chair for Academic Services
Director, Division of Neurotrauma and Critical Care
Rodney D. Bell, MD
Professor, Neurology
Director, Stroke Center

FEATUED GUEST SPEAKERS
Claudia Robertson, MD
Professor, Neurosurgery
Baylor College of Medicine
Houston, Texas
Jan Claassen, MD, PhD
Assistant Professor, Neurology
Division of Neurocritical Care
Columbia University Medical Center
New York, New York

JEFFERSON FACULTY
M. Kamran Athar, MD
Associate Professor, Medicine
Barak Bar, MD
Assistant Professor, Neurology
Nicholas Cavarocchi, MD, FACS, FCCP
Associate Professor, Surgery
Director, Surgical Cardiac Care Unit
Catherine Harris, PhD, MBA, CRNP
Assistant Professor, Graduate Program
Jefferson School of Nursing
Andrew B. Newberg, MD
Professor, Emergency Medicine and Radiology
Carissa Pineda, MD
Assistant Professor, Neurology
Division of Stroke and Neurocritical Care
Fred Rincon, MD, MSc, MBE, FACP, FCCP
Assistant Professor
Neurology and Neurological Surgery
Jacqueline S. Urtecho, MD
Assistant Professor, Neurological Surgery
Matthew Vibbert, MD
Assistant Professor Neurology and Neurosurgical Surgery

ACCREDITATION INFORMATION
Jefferson Medical College of Thomas Jefferson University is accredited by the ACCME to provide continuing medical education for physicians. The Jefferson Medical College of Thomas Jefferson University designates this live activity for a maximum of 8.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

THOMAS JEFFERSON UNIVERSITY HOSPITAL is an approved provider of Continuing Nursing Education (CNE) by the PA State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. 8.0 is maximum number of contact hours to be awarded to participants.

FACULTY DISCLOSURE
All faculty at continuing education activities for nurses, physicians and allied health professionals are required to disclose to the audience any significant financial relationships with the manufacturer(s) of any commercial products, goods or services and/or any unbalanced/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in the course presentation materials.

EXHIBITS
Exhibits will be open during registration, breaks, and lunch. We wish to thank our grantors and exhibitors for their participation and support of this conference.

PARKING INFORMATION
There is metered on-street parking on most of the streets surrounding the College building, and several paid parking lots, including one on 21st Street, directly behind the College building.*Please note that payment for parking is cash only.

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3rd Annual Neurocritical Care Symposium: A Case-Based Approach | January 24, 2014