JANUARY 30-31, 2020
UCLA Campus
Wasserman Conference Room and Carnesale Commons

Course Director
Paul M. Vespa, MD, FCCM, FAAN, FNCS
This is our 13th Annual Neurocritical Care Symposium featuring a two-day conference designed to discuss innovative strategies to treat neurotrauma, cardiac arrest and other neurologic emergencies.

COURSE DIRECTOR

Paul M. Vespa, MD, FCCM, FAAN, FNCS
Assistant Dean of Critical Care Medicine (Research)
Gary L. Brinderson Family Chair in Neurocritical Care
Professor of Neurology and Neurosurgery
David Geffen School of Medicine at UCLA

GUEST FACULTY

Thomas P. Bleck, MD, FCCM, MCCC, FNCS
Professor
Department of Neurology, Division of Stroke and Critical Care, and Division of Clinical Neurophysiology
Northwestern University Feinberg School of Medicine; Professor Emeritus of Neurological Sciences, Neurosurgery, Medicine, and Anesthesiology
Rush Medical College
Director, Neurocritical Care Fellowship Program
Northwestern University

Paul E. Pepe, MD, MPH, MCCM, MACP, FAEMS
Global Coordinator
Metropolitan EMS Medical Directors Coalition
UT Southwestern

Frank A. Rasulo, MD
Associate Professor
Anesthesiology and Intensive Care
University Affiliated Hospital of Brescia, Italy
Head of Neuro Critical Care
Director of the Residency Program
Anesthesiology and Intensive Care
University of Brescia Medical School
Chair of the Neuroanesthesiology Neuro Critical Care Section for SIAARTI

DAVID GEFFEN SCHOOL OF MEDICINE AT UACL FACULTY

Manuel M. Buitrago Blanco, MD, PhD
Assistant Clinical Professor
Neurosurgery & Neurology

Maxime Cannesson, MD, PhD
Professor
Anesthesiology
Vice Chair, Perioperative Medicine
Vice Chair, Research
Department of Anesthesiology & Perioperative Medicine

Geoffrey P. Colby, MD, PhD, FAANS
Associate Professor
Neurosurgery and Radiology
Director of Cerebrovascular Neurosurgery

Richard Everson, MD
Assistant Professor
Department of Neurosurgery

Won Kim, MD
Assistant Clinical Professor
Departments of Neurosurgery and Radiology
UCLA Comprehensive Stroke Center and Division of Interventional Neuroradiology

May Nour, MD, PhD
Medical Director
UCLA Mobile Stroke Rescue Program
Assistant Professor of Neurology and Radiology
UCLA Comprehensive Stroke Center and Division of Interventional Neuroradiology

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THURSDAY, JANUARY 30, 2020

NEUROMONITORING AND NEUROTHERAPEUTICS WORKSHOP
(special registration, limited seating)

11:15AM  **Registration and Lunch**

11:30  **EEG Monitoring Fundamentals**  
Thomas P. Bleck, MD, MCCM, FNCS

12:00PM  **EEG Monitoring Informatics/Automation**  
Paul M. Vespa, MD

12:30  **Transcranial and Optic Nerve Ultrasound**  
Frank A. Rasulo, MD

1:00  **Intracranial Pressure Monitoring**  
Won Kim, MD

1:30  **Invasive Brain Monitoring**  
Manuel M. Buitrago Blanco, MD, PhD

2:00  **Break**

2:30  **A Heads Up on Cardio-Cerebral Resuscitation**  
Paul E. Pepe, MD, MPH, MCCM, MACP, FAEMS

3:00  **Hands-on Session with Stations/Case Discussions with Faculty** - EEG, Ultrasound, Invasive Monitoring, Heads up CPR

5:00  **Adjourn**
FRIDAY, JANUARY 31, 2020

7:00AM  Registration and Continental Breakfast

7:30   Introduction

8:05   Neurocritical Care 2020
       Paul M. Vespa, MD

8:30   Effecting Good Neuro Outcomes in Cardiac Arrest
       Paul E. Pepe, MD, MPH, MCCM, MACP, FAEMS

9:00   Cerebral Protection after Cardiac Arrest
       Frank A. Rasulo, MD

9:30   Pre-Hospital Stroke and Neurocritical Care
       May Nour, MD, PhD

10:00  Break

10:30  EEG Monitoring in Critically Ill Patients
       Thomas P. Bleck, MD, MCCM, FNCS

11:00  Neuropharmacology in the Complex ICU Patient
       Manuel M. Buitrago Blanco, MD, PhD

11:30  AI Closed-Loop Anesthesia to Protect the Brain
       Maxime Cannesson, MD, PhD

12:00PM  Lunch

1:00   Evidence-Based Surgery for TBI
       Richard Everson, MD

1:30   Next Generation Treatments in TBI
       Paul M. Vespa, MD

2:00   Coma Prognosis and Early Recovery Treatments
       Frank A. Rasulo, MD

2:30   Waking the Coma Patient with Image Guided Ultrasound
       Martin M. Monti, PhD

3:00   Break

3:30   Medical Treatment for Brain Hemorrhage
       Manuel M. Buitrago Blanco, MD, PhD

4:00   Noninvasive Surgery for Brain Hemorrhage
       Geoffrey P. Colby, MD, PhD, FAANS

4:30   Evidence Based Treatments in Status Epilepticus
       Thomas P. Bleck, MD, MCCM, FNCS

5:00   Adjourn
TRAUMA:
State of the art in resuscitation.

ICU CARE:
Discussion of infection control, delirium and ethics.

CARDIAC ARREST:
Innovative strategies and hypothermia.

STROKE CONTROVERSIES:
Thrombectomy for stroke and surgery for ICH.

CRITICAL CARE SKILLS WORKSHOP:
Neuromonitoring, ultrasound, and resuscitation skills.

ASK THE EXPERTS:
Discuss interactive cases with the expert faculty.

AUDIENCE RESPONSE:
This is a highly interactive, participatory conference. There will be a live audience response for each lecture and the simulation sessions.

ACCREDITATION
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Disclosure Statement
The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that nonpromotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.
COURSE OVERVIEW
This two-day conference is designed to explore modern approaches to patient care for patients with ICU delirium, anoxic brain injury, traumatic brain injury, coma, stroke, brain hemorrhage, and seizures. The main plenary session will explore essential core concepts for personalized patient care, review of essential guidelines, and in-depth discussion of modern approaches to saving the brain in critically ill patients. The hands-on workshop is designed to explore brain monitoring techniques and novel therapeutic interventions. Interactive lectures supplemented with discussion groups, simulation training, and hands-on workshops will provide unique learning that transcends the usual CME course, and enable participatory learning for maximal impact on your practice.

TARGET AUDIENCE
Emergency physicians, trauma surgeons, intensivists, neurologists, neurosurgeons, neurointensivists, advanced practice nurses, intensive care unit nurses.

EDUCATIONAL OBJECTIVES
At the conclusion of this course, participants should be able to:
• Implement non-invasive brain monitoring in comatose patients
• Treat neurologic emergencies such as status epilepticus and brain trauma
• Formulate treatment protocols for brain hemorrhage using evidence-based medicine
• Enable the use of novel treatments for cardiac arrest and brain resuscitation
• Understand the emerging role of stimulation treatments for coma and disorders of consciousness
• Make use of emergency response systems for acute ischemic stroke
Please print clearly

Specialty

Name (First, Middle, Last)    Degree

Preferred Mailing Address

City, State, Zip

(Area Code) Business Phone    (Area Code) Fax Number

E-mail Address

Last 4 digits of your Social Security Number __________________________

Course Enrollment Options

CHECK enclosed, payable to: Regents of the University of California

CHARGE □ Visa □ MasterCard □ Discover □ American Express

_____________________________________________   _____ / ______
Card Number                      Exp.Date

Authorizing Signature __________________________________________

Mail to: Office of Continuing Medical Education
David Geffen School of Medicine at UCLA
UCLA ICU of the Future 2020
10920 Wilshire Blvd., Suite 1060
Los Angeles, CA 90024-6512

Fax: (310) 794-2624 (must include charge card information and authorizing signature)

Call: (310) 794-2620

Register on-line: www.cme.ucla.edu/courses (click on UCLA ICU of the Future 2020)

REFUNDS: Cancellations must be received in writing by January 3, 2020 and will be subject to a $75 processing fee. No refunds will be given after that date. If for any reason the course must be canceled, discontinued, or rescheduled a full refund will be provided.
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