Course Advisor

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Course Directors

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SECOND ANNUAL PERIOPERATIVE & CRITICAL CARE MONITORING AND THERAPY CONFERENCE AND WORKSHOPS

September 6 & 7
UPMC Herberman Conference Center, UPMC Shadyside Campus
Pittsburgh PA

Sponsored By
Department of Anesthesiology, University of Pittsburgh & University of Pittsburgh School of Medicine Center For Continuing Education In the Health Sciences Pittsburgh, PA
Learning Objectives

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

- Understand the basic principles behind monitoring techniques
- Understand the supporting literature for the monitoring technologies in common use
- Apply evidence-based monitoring practices to treat medical, surgical and critically ill patients
- Update knowledge on recent advances in monitoring technologies
- Apply safe monitoring practices in patient care
- Understand the advantages, limitations and complications related to various monitoring devices
- Demonstrate self-evaluation of patient monitoring skills and knowledge by identifying specific suboptimal patient outcomes
- Review the practical use of multimodal monitoring in specific patient populations (e.g., cardiovascular, neurosurgical, medical and trauma surgical patients)
- Therapeutic approach to surgical patients based on monitoring
- Controversies in perioperative management
- Demonstrate practical operating skills of monitoring equipment
- Teach the importance of various monitoring to their colleagues

Program overview

This two day conference and workshop offers a comprehensive review of monitoring techniques used in current anesthesia, perioperative and critical care practice using concise didactic lectures, pro-con debate sessions, case presentations and workshops. Following the course, participants should be able to understand and formulate an evidence based and practical approach to monitoring of their operative and critically ill patients.
Target Audience

- Anesthesiologists and Critical Care Physicians
- Emergency room physicians, Surgeons and Physicians from other specialties who are involved in the care of critically ill patients
- Certified Registered Nurse Anesthetists
- Registered Nurses
- Physician Assistants
- Trainees including Fellows and Residents
- Medical Students and Student Nurses

Continuing Education

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for 15 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 1.5 continuing education units (CEU’s), which are equivalent to 15 contact hours.
## Final Scientific Program

### DAY 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00-7:20</td>
<td>Breakfast and Registration</td>
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<tr>
<td>7:20-7:30</td>
<td>Welcome Address</td>
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<tr>
<td>7:30-8.00</td>
<td>Arterial waveform analysis – Past, Present and Future Concepts</td>
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<tr>
<td>8.00-8.30</td>
<td>Evolution of Cardiac Output Monitoring – Invasive to current non-invasive methods</td>
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<td>8:30-9:00</td>
<td>Mixed venous oxygen saturation and central venous oxygen saturation monitoring</td>
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<tr>
<td>9.00-9.30</td>
<td>Break</td>
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<tr>
<td>9:30-10.00</td>
<td>Colloids or Crystalloids</td>
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<tr>
<td>10.00-10.30</td>
<td>Restrict, Liberal or Goal Direct fluid Strategy?</td>
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<tr>
<td>10.30-12.00</td>
<td>Panel discussion on surgery specific Fluid therapy</td>
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<tr>
<td>12.00-13.00</td>
<td>Lunch Break</td>
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<tr>
<td>13.00-14.00</td>
<td>Perioperative surgical home and Enhanced Recovery After Anesthesia (ERAS)</td>
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<tr>
<td>14.00-17.00</td>
<td>Hemodynamic workshop</td>
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<tr>
<td>17.00-18.00</td>
<td>Putting things together/Real life case scenarios</td>
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<tr>
<td>18.00</td>
<td>Adjournment</td>
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### DAY 2

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7.00-7.30</td>
<td>Breakfast</td>
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<tr>
<td>7.30-8.00</td>
<td>Perioperative Glucose Monitoring and therapy</td>
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<tr>
<td>8.00-8.30</td>
<td>Respiratory Monitoring in Anesthesia and Critical Care</td>
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<td>8.30-9.00</td>
<td>Perioperative renal function- Monitoring and Preservation</td>
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<tr>
<td>9.00-9.20</td>
<td>Intracranial pressure- Monitoring and Management</td>
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<tr>
<td>9.20-9.40</td>
<td>Neuromonitoring for spine surgery- Real life scenarios and anesthetic considerations</td>
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<td>9.40-10.00</td>
<td>Multimodal Neuromonitoring in critically ill patients</td>
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<td>10.00-10.30</td>
<td>Break</td>
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<tr>
<td>10.30-11.00</td>
<td>Thromboelastography versus Thromboelastometry</td>
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<td>11.00-11.30</td>
<td>Platelet function studies</td>
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<td>11.30-12.00</td>
<td>Massive transfusion in trauma and major surgery-</td>
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<td>Transfusion guidelines and role of monitoring</td>
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<tr>
<td>12.00-14.00</td>
<td>Ultrasound for cannulation- Lecture and workshop</td>
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<tr>
<td>14.00</td>
<td>Adjournment</td>
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Nondiscrimination, Equal Opportunity, and Affirmative Action

The University of Pittsburgh is an affirmative action, equal opportunity institution.

The American with Disabilities Act Information

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling (412) 623-4135

Faculty Disclosure

Faculty for this activity are required to disclose all relevant financial relationships with any proprietary entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

Cancellation Policy/Refund Policy

UPMC Center for Continuing Education reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees.

All cancellations must be in writing and sent to us via U.S. mail, email or fax (see contact information below). Tuition for cancellations postmarked or date stamped before 08/06/2014 will be refunded in full. After 08/06/2014, a $35 administrative fee will be assessed, the remaining amount refunded, and no refunds will be made after 08/25/2014. Cancellation requests should be mailed to Missy Mitchell at mitchellmj@anes.upmc.edu
Early Registration are due by August 1, 2014.
Registration with late fee will be accepted until September 1, 2014
Online registration closes by September 1, 2014
Onsite registration will be available after this date
Registration online is the quickest and easiest way to reserve for this monitoring conference.
Online registration site
https://ccehs.upmc.com/liveFormalCourses.jsf
Click the registration button and enter all the requested information and submit the registration with payment information
You will receive an email confirmation of the registration. Print the email confirmation and bring it with you to the conference

Registration fees

UPMC Physicians- $125
Non-UPMC Physicians- $175
UPMC Certified Nurses & Registered Nurse Anesthetists, RNs & CRNAs- $75
Non-UPMC Nurses, RNs & CRNAs- $125
Residents, Fellows, Medical Students and Student Nurses- Free (till August 1, 2014)
Late fee after August 1, 2014 - $50.00 more for each category
Registration fee includes
1. Continuing Education Credit
2. Registration and Course Materials
3. Breakfast and Lunch Buffets, Coffee Breaks

Admission to the workshops may be limited. Early registration is advised
For additional information,

Please contact

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