

THE UNIVERSITY OF CHICAGO
Department of Anesthesia & Critical Care

30th Annual Conference

Challenges for Clinicians

December 2-4, 2016



Join us for an Optional
MOCA Training Session
Thursday, December 1st



The Drake Hotel
Chicago, Illinois

Conference Directors:
Jeffrey L. Apfelbaum, MD
Avery Tung, MD, FCCM

This activity has been
approved for
AMA PRA Category 1 Credit™

Register online at:
cme.uchicago.edu/30thChallenges16



THE UNIVERSITY OF
CHICAGO
MEDICINE &
BIOLOGICAL
SCIENCES

Guest Faculty

Corey Scher, MD

Clinical Professor
Department of Anesthesiology
Perioperative Care and Pain Medicine
NYC School of Medicine
New York, NY

Katherine Arendt, MD

Medical Director of Obstetric
Anesthesiology
Mayo Clinic Rochester
Rochester, MN

Robert W. Hurley, MD, PhD

Professor
Vice Chairman
Pain Medicine
Medical Director
Pain Management Center
Milwaukee, WI

Charles Hogue, Jr., MD

Chairmen of the Departments of
Anesthesiology
Northwestern University
Feinberg School of Medicine
Northwestern Memorial Healthcare
Chicago, IL

Tracey Dujakovich

Attorney
Preferred Physicians Medical Risk
Retention Group
Kansas City, MO

John T. Sullivan, MD

Professor in Anesthesiology
Northwestern University Feinberg School
of Medicine
Chicago, IL

Richard P. Dutton, M.D. MBA

Chief Quality Officer
U.S. Anesthesia Partners
Fort Lauderdale, FL

University of Chicago Faculty – Department of Anesthesia and Critical Care

Annie Amin, MD

Assistant Professor

Jennifer Banayan, MD

Assistant Professor

Anna Clebone, MD

Assistant Professor

David Dickerson, MD

Assistant Professor
Director, Acute Pain Service

Robert Fong, MD

Assistant Professor

Rebecca Gerlach, MD

Assistant Professor

Ori Gottlieb, MD

Associate Professor

Ashish Gupta, M.D.

Assistant Professor

Aalok Kacha, MD

Assistant Professor

Junaid Nizamuddin, MD

Assistant Professor

Michael O'Connor, MD, FCCM

Professor
Pulmonary & Critical Care Medicine
Section Head, Critical Care Medicine
Director, Adult ICUs, UCMC

Devin Roberts, MD

Assistant Professor

Keith Ruskin, MD

Professor

Barbara Scavone, MD

Professor
Section Chief, Obstetric Anesthesia
Clinical Director, Labor and Delivery
Program Director, Obstetric Anesthesia
Fellowship

Sajid Shahul, MD, MPH

Associate Professor

Michael Woo, MD

Assistant Professor

Conference Co-Chairs

Jeffrey L. Apfelbaum, MD

Professor & Chair of Anesthesia and Critical Care
Department of Anesthesia and Critical Care

Avery Tung, MD, FCCM

Professor & Quality Chief for Anesthesia
Director of Critical Care Services, Burn Unit
Department of Anesthesia and Critical Care

Disclosure Declarations

As a provider accredited by the ACCME, The University of Chicago Pritzker School of Medicine asks everyone who is in a position to control the content of an education activity to disclose all relevant financial relationships with any commercial interest. This includes any entity producing, marketing, re-selling, or distributing health care goods or services consumed by or used on patients. The ACCME defines "relevant financial relationships" as financial relationships in any amount occurring within the past 12 months, including financial relationships of a spouse or life partner that could create a conflict of interest. Mechanisms are in place to identify and resolve any potential conflict of interest prior to the start of the activity.

Additionally, The University of Chicago Pritzker School of Medicine asks authors to identify investigational products or off-label uses of products regulated by the US Food and Drug Administration at first mention and where appropriate in the content.

Conference Description

The evolving landscape of perioperative medicine has dramatically increased the scope and complexity of anesthesia care. New techniques, new drugs, new evidence, quality and safety concerns all play a role in today's practice environment. This conference will focus on areas of anesthetic care that require integrating these new aspects of medical care. Increasingly, we need to know not only whether techniques are effective, but also high quality, safe, evidence-based, and cost effective.

Learning Objectives

At the conclusion of this educational activity, participants will be able to:

- Discuss the evidence supporting hemodynamic targets in the Operating room and consequences of not meeting these targets;
- State how to extend perioperative practice to include comprehensive pain management from the preoperative period to the postoperative period;
- Identify current areas of malpractice risk and strategies for mitigating that risk during perioperative care;
- Describe current evidence and recommended management for perioperative myocardial infarction;
- Discuss state of the art practices in central line insertion including strategies for avoiding anatomic complications such as arterial puncture and pneumothorax, reducing central line-associated blood stream infection (CLABSI), and improving first pass success rates;
- Examine controversies in obstetric anesthesia including labor analgesia, adjunct agents for maternal hemorrhage, and oxygen for cesarean section;
- Summarize the emerging use of transthoracic echo to guide perioperative and shock resuscitation;
- Manage perioperative mechanical ventilation, including PEEP, driving pressure, and tidal volume;
- Explain perioperative neuromonitoring and anesthetic strategies for neurosurgical procedures with neuromonitoring.

Target Audience

The target audience includes Anesthesiologists, Certified Registered Nurse Anesthetists and other clinicians and health care professionals working with a variety of patients and practice settings.

Accreditation and Credit Designation

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

The University of Chicago Pritzker School of Medicine designates this live activity for a maximum of 20.75 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses and other healthcare professionals will receive a Certificate of Participation. For information on the applicability and acceptance of Certificates of Participation for educational activities certified for *AMA PRA Category 1 Credits*[™] from organizations accredited by the ACCME, please consult your professional licensing board.

For your convenience, here is a daily breakdown of the designated credits:

General Sessions

Friday, December 2:

5 *AMA PRA Category 1 Credits*[™]

Saturday, December 3:

4 *AMA PRA Category 1 Credits*[™]

Sunday, December 4:

4.75 *AMA PRA Category 1 Credits*[™]

PBLDs

Friday, December 2:

3 *AMA PRA Category 1 Credits*[™]

Saturday, December 3:

3 *AMA PRA Category 1 Credits*[™]

Ultrasound Workshop

Saturday, December 3:

4 *AMA PRA Category 1 Credits*[™]

Educational Grants and Commercial Support

A complete listing of commercial support received will be provided in the conference materials.

Optional Afternoon

Workshop: Friday, December 2nd and Saturday, December 3rd Problem Based Learning Discussions (PBLD)

These one hour small-group, case-based, active learning sessions use specific case scenarios to address a wide selection of anesthesia topics. The format involves a faculty facilitator and up to 12 participants per session. Specific case information and selected readings are provided in advance to participants, who arrive at the session ready to participate actively. We have chosen six of our most popular teachers to serve as facilitators, each on a topic in their own specialty.

Price: \$55.00 per session. Each session will be strictly limited to a maximum of 12 participants. Participants may register for multiple PBLD sessions. Each session is equal to 1 credit hour.

Friday, December 2nd

- Session 1: **Troubleshooting Regional Anesthesia**, *David Dickerson, MD*
- Session 2: **Obstetric Anesthesia**, *Jennifer Banayan, MD*
- Session 3: **The Electronic Medical Record**, *Ori Gottlieb, MD*

Saturday, December 3rd

- Session 4: **The Pediatric Airway**, *Annie Amin, MD*
- Session 5: **Hemodynamic Targets in the OR**, *Michael O'Connor, MD*
- Session 6: **Managing the Bleeding Patient**, *Avery Tung, MD*

Ultrasound Workshop— Saturday, December 3rd, 12:30pm – 4:30pm

Once again, we are offering a Regional Anesthesia with Ultrasound Applications Workshop led by Michael Woo, MD. And DACC Faculty. This hands-on workshop is open to all registered participants for an additional fee of \$275. This session is equal to 4 credit hours. *Lunch will be provided for all optional workshop participants.

Location and Accommodations

Come and Enjoy the Holiday Season in Chicago!

The conference sessions will be held at The Drake Hotel, one of Chicago's finest hotels, located on Michigan Avenue, the "Magnificent Mile." A block of rooms has been reserved at The Drake and we are pleased to offer our special discounted rate of **\$229 for single or double room occupancy**.

To reserve your room at The Drake Hotel, please visit their website at: <https://resweb.passkey.com/go/UOC>

Or you may call the hotel directly at 1-800-55-DRAKE indicating you are attending The University of Chicago Anesthesia Critical Care Conference. Room reservations must be made by **November 14, 2016** to guarantee the reduced rate. The hotel requires a first night's deposit at the time of reservation, which is refundable up to 72 hours in advance of conference date. Check-in time is 3 p.m. and check-out time is 12 p.m. In the event a check-out occurs prior to the reserved check-out date, the hotel will add an early check-out fee equal to one night room and tax. To avoid this fee, please advise the hotel at or before check-in of any change in planned length of stay.

Due to the annual meeting of the Radiological Society, we strongly recommend you make your reservations early, as hotels in Chicago will be sold out.

Chicago is truly a city with something for everyone!
To help plan your stay in Chicago visit: www.choosechicago.com

The University of Chicago reserves the right to cancel or postpone this conference due to unforeseen circumstances. In the unlikely event this activity must be cancelled or postponed, the registration fee will be refunded; however, The University of Chicago is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.



Satisfy Your MOCA Requirements – Thursday, December 1st

The University of Chicago Simulation Center - MOCA® Training is an American Society of Anesthesiologists endorsed program.

The American Society of Anesthesiologists' Simulation Education Program is the culmination of consultation among leaders in anesthesia simulation. The Program advocates the promotion of learning through simulation and specifically approves programs of quality in anesthesiology simulation training. The Committee on Simulation Education oversees the Simulation Education Network that provides training to satisfy the American Board of Anesthesiology's Maintenance of Certification in Anesthesiology (MOCA®) requirements. Members of ASA and the simulation community will benefit from this Program as it promotes patient safety through refinement of training and team enhancement. This simulation course fulfills one requirement of the American Board of Anesthesiology's (ABA) Maintenance of Certification in Anesthesiology Program (MOCA®) Part IV. Please consult the ABA website, www.theABA.org, for a list of all MOCA® requirements.

DISCOUNTED FEE: \$1,400 - Thursday, December 1st | 8am - 4pm | Register early as MOCA participation is limited to 4 applicants. We will provide transportation to/from Drake Hotel and University of Chicago Simulation Center.

Learning Objectives:

- Manage a patient with significant hemodynamic instability;
- Manage a patient with significant hypoxemia for any cause, including difficult airway management;
- Utilize the principles and practice of teamwork and communication.

Accreditation and Credit Designation:

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

The University of Chicago Pritzker School of Medicine designates this live activity for a maximum of **7 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Conference Agenda

Friday, December 2nd

| | |
|----------|---|
| 6:30 am | Registration and Continental Breakfast |
| 7:15 | Welcome and Announcements |
| 7:30 | Monitoring Cerebral Autoregulation: A New Definition for Hypotension , <i>Charles Hogue, MD</i> |
| 8:15 | Acute to Chronic Pain Transition—What You Do in the OR and Does it Make a Difference? , <i>Robert Hurley, MD, PhD</i> |
| 8:45 | Checklists , <i>Anna Clebone, MD</i> |
| 9:15 | Decision Making in Anesthesia: Case Scenarios , <i>University of Chicago Anesthesia Faculty</i> |
| 10:00 | Q&A |
| 10:15 | Refreshment Break |
| 10:45 | Hot Spots in Anesthesia Malpractice , <i>Tracey Dujakovich, Attorney</i> |
| 11:30 | What is the Role of the Anesthesiologist in Patient Outcome? , <i>Charles Hogue, MD</i> |
| 12:00 pm | Acute to Chronic Pain Transition—Pain Medicine Starting in the Pre-Operative Assessment Center , <i>Robert Hurley, MD, PhD</i> |
| 12:45 | Q&A |
| 1:00 | Lunch Provided for Afternoon Workshop Attendees |
| 1:30 | PBLD: Troubleshooting Regional Anesthesia , <i>David Dickerson, MD</i> |
| 2:30 | PBLD: Obstetric Anesthesia , <i>Jennifer Banayan, MD</i> |
| 3:30 | PBLD: The Electronic Medical Record , <i>Ori Gottlieb, MD</i> |
| 4:30 | PBLDS Adjourn |
| 5:30 pm | Welcome Reception |

Saturday, December 3rd

| | |
|---------|---|
| 6:45 am | Continental Breakfast |
| 7:15 | Decision Making in Anesthesia: Case Scenarios , <i>Drs. Arendt, Sullivan & Scavone</i> |
| 8:00 | Neonatal Emergencies , <i>Corey Scher, MD</i> |
| 8:30 | The Traumatized Airway in 2016 , <i>Richard Dutton, MD</i> |
| 9:15 | Q&A |
| 9:30 | Refreshment Break |
| 10:00 | ST Elevation: Now What? Managing Myocardial Ischemia in the OR , <i>Robert Fong, MD</i> |
| 10:30 | Controversies in Neuroanesthesia , <i>Keith Ruskin, MD</i> |
| 11:15 | The Role of Echo in Shock Resuscitation , <i>Sajid Shahul, MD, MPH</i> |
| 11:45 | Q&A |
| 12:00 | Lunch Provided for Afternoon Workshop Attendees |
| 12:30pm | Ultrasound Workshop , <i>Michael Woo, MD (12:30-4:30pm)</i> |
| 1:30 | PBLD: The Pediatric Airway , <i>Annie Amin, MD</i> |
| 2:30 | PBLD: Hemodynamic Targets in the OR , <i>Michael O'Connor, MD, FCCM</i> |
| 3:30 | PBLD: Managing the Bleeding Patient , <i>Avery Tung, MD, FCCM</i> |
| 4:30 | PBLDS Adjourn |
| 4:30 pm | Ultrasound Workshop Adjourn |

Conference Agenda

Sunday, December 4th

| | |
|----------|---|
| 7:00 am | Continental Breakfast |
| 7:15 | Pediatric Trauma , <i>Corey Scher, MD</i> |
| 8:00 | OB Morbidity and Mortality , <i>Katherine Arendt, MD</i> |
| 8:45 | Beyond 6 vs 12 ... Ventilation in 2016 , <i>Aalok Kacha, MD</i> |
| 9:15 | Challenges in Central Line Insertion , <i>Avery Tung, MD, FCCM</i> |
| 9:45 | Q&A |
| 10:00 | Refreshment Break |
| 10:30 | Controversies in Anesthesia for Critically Ill Patients , <i>Junaid Nizamuddin, MD</i> |
| 11:15 | Topics in Preoperative Evaluation , <i>Rebecca Gerlach, MD</i> |
| 12:15 pm | Q&A |
| 12:30 pm | Conference Adjourned |

Program agenda and speaker selection subject to change.

Registration Form - Registration Fee

The \$675 registration fee includes an electronic syllabus (thumb drive), continental breakfasts, refreshment breaks, and reception. For those purchasing an optional workshop, lunch will be provided. The conference fee for residents or nurse anesthetists in training, with letter of verification, is \$375 and does not include any of the optional workshops. **While registration is open until the start of the conference, we encourage early registration to enable us to provide the best possible service to participants.**

Optional Printed Syllabus

Your registration fee includes an electronic syllabus only. An optional printed syllabus is available for an additional \$100. If you wish to purchase a hardcopy/print syllabus, we must receive your pre-order before November 7, 2016. We will not have hardcopy syllabi onsite. Onsite registrants will receive an electronic syllabus.

Payment Worksheet

| | | | |
|--|--------------------------|-------|----------|
| Anesthesiologists & Nurse Anesthetists (optional workshops not included) | <input type="checkbox"/> | \$675 | \$ _____ |
| Residents or Student Nurse (with verification letter - optional workshops not included) | <input type="checkbox"/> | \$375 | \$ _____ |
| Printed Syllabus (Optional) MUST PRE-ORDER BEFORE NOV 7TH | <input type="checkbox"/> | \$100 | \$ _____ |

Optional Workshops (Additional Fees Apply - Includes Lunch)
Space is Limited • Pre-Registration Required with Full Registration

| | | | |
|--|--------------------------|---------|----------|
| Thursday, December 1st, MOCA® Training (8 am - 4 pm) | <input type="checkbox"/> | \$1,400 | \$ _____ |
| Friday, December 2nd, PLBDs (1:30 - 4:30 pm) | | | |
| Session 1: Troubleshooting Regional Anesthesia (1:30 - 2:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |
| Session 2: Obstetric Anesthesia (2:30 - 3:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |
| Session 3: The Electronic Medical Record (3:30 - 4:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |
| Saturday, December 3rd, Ultrasound Workshop (12:30 - 4:30 pm) | <input type="checkbox"/> | \$275 | \$ _____ |
| Saturday, December 3rd, PBLDs (1:30 - 4:30 pm) | | | |
| Session 4: The Pediatric Airway (1:30 - 2:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |
| Session 5: Hemodynamic Targets in the OR (2:30 - 3:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |
| Session 6: Managing the Bleeding Patient (3:30 - 4:30 pm) | <input type="checkbox"/> | \$55 | \$ _____ |


TOTAL DUE \$ _____

Registration Form

How To Register

 **ONLINE** cme.uchicago.edu/30thChallenges16 (**credit card payment only**)

To pay by check, you must mail this registration form with payment to:

 **MAIL** The University of Chicago
Attn: Donna Burke
Anesthesia & Critical Care
5841 South Maryland Ave., MC 4028
Chicago, IL 60637

Name _____ Degree _____

Specialty _____

Organization _____

Preferred Mailing Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Payment

Check enclosed (US funds only), payable to **The University of Chicago (Tax ID#36-2177139)**

You must check this box if you do not want your mailing address shared with conference participants and/or exhibitors (if applicable).

Please tell us how you found out about this activity, check all that apply:

Colleague Save the Date Brochure Internet Email

Journal Ad Previous Attendance Other _____

Do you plan to attend the Welcome Reception on Friday night? Yes No

Cancellation Policy

If you cancel your participation in this conference, your registration fee, less a \$100 administrative fee, will be refunded when written notification is received by November 7, 2016. **No refunds will be made after November 8, 2016.**

Accessibility

The University of Chicago is committed to providing equal access appropriate to need and circumstance and complies fully with the legal requirements of the Americans with Disabilities Act. If you are in need of special accommodation, please contact our office at 773-702-1056 or via email at cme@uchicago.edu.

For additional information about this activity, please contact the Center for Continuing Medical Education at 773-702-1056.

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