



FEATURING

RISKY BUSINESS

Risk Assessment with Myron Yaster

SIM WARS

MOCA Training

**Breakout Panels
with Practice Experts**

PRACTICAL ASPECTS OF PEDIATRIC ANESTHESIA AND CRITICAL CARE



The Fairmont Copley Plaza,
Boston, Massachusetts

May 2-4, 2014

Offered by:

Boston Children's Hospital, and
Harvard Medical School

Course Directors:

Mary Ellen McCann, MD, MPH

Kirsten Odegard, MD

Janet Valicenti, CRNA



Boston Children's Hospital

Department of Anesthesiology,
Perioperative and Pain Medicine

This program has been prior approved by the American
Association of Nurse Anesthetists for 22 CE credits;
Code Number 1028697; Expiration Date 05/04/14.



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MEDICAL SCHOOL

Earn up to 23.75 AMA PRA Category 1 Credits™

Course Directors



Mary Ellen McCann, MD, MPH



Kirsten Odegard, MD



Janet Valicenti, CRNA

Planning Committee



Bistra Vlassakova, MD

Conference Coordinator



Amanda Buckley, BA

Guest Faculty



Terence T. Henricks



Peter Laussen, MD



Jesse Lock, MD, PhD



Myron Yaster, MD

Welcome to Practical Aspects of Pediatric Anesthesiology and Critical Care!

This year's Practical Aspects of Pediatric Anesthesia and Critical Care Course offered by Harvard Medical School and the Department of Anesthesiology, Perioperative and Pain Medicine at Boston Children's Hospital includes presentations on ground breaking research, audience participation in simulation scenarios, an emphasis on risk management in the perioperative setting and an opportunity to interact with our faculty during the course. We are very pleased to offer a complimentary wine reception following our simulation session in which we can all enjoy the beautiful setting of the Copley Plaza Hotel. Several new innovations which we have done for this course include the addition national and international guest faculty, optional breakfast breakout panels, and a pediatric MOCA session. In addition to our excellent Boston Children's Anesthesia faculty, this year we are delighted to include Myron Yaster, MD from Baltimore to talk about risk tolerance and Peter Laussen, MBBS from Toronto to talk about risk management. In addition, Baruch Krauss, MD from our Emergency Department will discuss distraction techniques during induction.

We are also pleased to include hands-on workshops on the Pediatric Airway and Regional Pain Blocks. For those interested in completing their Pediatric MOCA requirements-a session will be offered on Sunday for up to 5 participants. These participants are entitled to reduced tuition for our pediatric review course.

We all hope that you enjoy our meeting!!!

Your Course Directors

Mary Ellen McCann
Kirsten Odegard
Janet Valicenti

FACULTY LIST

Boston Children's Hospital and
Harvard Medical School

Nelson Aquino, CRNA
Julianne Bacsik, MD
Charles B. Berde, MD, PhD
Richard H. Blum, MD
Elena Brusseau, MD
Roland R. Brusseau, MD
Robert M. Brustowicz, MD
Linda A. Bulich, MD
Thomas M. Burch, MD
Alfonso Casta, MD
Sabeena K. Chacko, MD
Joseph P. Cravero, MD
James A. DiNardo, MD
Jennifer L. Dearden, MD
Elizabeth C. Eastburn, DO
Lynne R. Ferrari, MD
Daniel Furlong, CRNA
Susan M. Goobie, MD
Jonathan D. Griswold, MD
Robert S. Holzman, MD
Constance S. Houck, MD
Nishanti Kandiah, MD
Babu V. Koka, MD
Baruch S. Krauss, MD
Mary F. Landrigan-Ossar, MD
Peter C. Laussen, MBBS¹
Alyssa A. LeBel, MD
Yuan-Chi Lin, MD

Thomas J. Mancuso, MD
Kai Matthes, MD, PhD
Mary Ellen McCann, MD, MPH
Craig D. McClain, MD, MPH
Petra M. Meier, MD
Karen Miller, CRNA
Carlos J. Munoz, MD
Charles D. Nargozian, MD
Anne Louise Oaklander, MD, PhD²
Kirsten Odegard, MD
Raymond S. Park, MD
James Peyton, MD
Sharon L. Redd, MD
Ann Marie Rich, CRNA
Mark A. Rockoff, MD
Annette Y. Schure, MD
Navil F. Sethna, MBChB
Sulpicio G. Soriano, MD J.
William Sparks, MD
M-Irfan Suleman, MD
Cornelius A. Sullivan, MD
Cynthia S. Tung, MD
Janet W. Valicenti, CRNA
Amy E. Vinson, MD
Bistra G. Vlassakova, MD
Daniel Vo, MD
John Welch, CRNA
David Whiting, MD
Myron Yaster, MD³
Koichi Yuki, MD

¹The Hospital for Sick Children, Toronto, ON, Canada

²Massachusetts General Hospital, Boston, MA

³The Johns Hopkins Hospital, Baltimore, MD

COURSE DESCRIPTION

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

- Describe differences in anesthetic practice management of different pediatric age groups
- Hone skills in managing difficult pediatric airway and peripheral nerve blocks
- Develop treatment strategies for pediatric patients with medical problems including neonatal surgical emergencies, endocrinopathies and cardiac disease
- Develop multidisciplinary approaches to sedation and chronic pain management

Practical Aspects of Pediatric Anesthesiology and Critical Care is designed for the anesthesiologist and certified registered nurse anesthetist who takes care of pediatric patients in the perioperative setting. The recent growth and sub-specialization of pediatric anesthesia has identified specific areas that are unique when compared to the general practice of anesthesia. This course will aim to identify the differences between current and optimal care and provide recommendations and hands-on workshops to help participants learn to manage these issues in their practice.

Boston is beautiful in the Spring. This course is located in the heart of the city to permit participants and their guests ample opportunity to take advantage of historical, cultural, athletic and shopping activities. Early registration is strongly recommended, since attendance will be limited.

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 23.75 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This program has been prior approved by the American Association of Nurse Anesthetists for 22 CE credits; Code Number 1028697; Expiration Date 05/04/14.

COURSE SCHEDULE

Friday, May 2, 2014

6:30-8:00 Registration and Breakfast

7:00-8:00 Optional Breakfast Breakout Panels

Limited to 15 people – Pre-registration and Fee Required

Neuroanesthesia

Craig D. McClain, MD, MPH, Petra Meier-Haran, MD and Sulpicio G. Soriano, MD

Wellness and the Healthcare Provider

Robert S. Holzman, MD, Ann Marie Rich, CRNA, John Welch, CRNA and Amy E. Vinson, MD

8:00-8:15 Welcome: Mary Ellen McCann, MD

What's New in Neonatal Anesthesia (Moderator: Mark A. Rockoff, MD)

8:15-8:45 Neonatal Surgical Emergencies - Roland R. Brusseau, MD

8:45-9:15 Infantile Cerebral Encephalopathy - Mary Ellen McCann, MD

9:15-9:45 Developmental Pharmacology - Robert S. Holzman, MD

9:45-10:15 Break

Pediatric Sedation (Moderator: J. William Sparks, MD)

10:15-10:45 Techniques for Managing Acute Pain and Anxiety in Children - Baruch S. Krauss, MD

10:45-11:15 Radiologic Sedation - Mary F. Landrigan-Ossar, MD

11:15-12:30 Lunch (Provided) with Jeopardy - Myron Yaster, MD
(A dynamic interactive game show format)

12:30-3:30 Risky Business (Moderator: Peter C. Laussen, MBBS)
(Comparing Fast Cars, Space Travel and Anesthesia Risk)

Building on successful international and national conferences, this session looks at risk through the lens of other high risk industries which include space and aeronautics, and NASCAR motor sports. Terrence T. "Tom" Henricks, a former NASA astronaut and retired air force pilot will give a lecture on the risk in space. Dr. Jesse Lock, a pediatrician, biomedical engineer and mathematician will discuss the topic of measuring and understanding risk; unlocking data. The session will conclude with an engaging and inspiring talk about risk in pediatric anesthesia from Dr. Myron Yaster, one of our leaders in pediatric anesthesia over many years.

3:30-3:45 Afternoon Break

3:45-5:30 Sim Wars (Moderator: Bistra G. Vlassakova, MD)

In cooperation with the Boston Children's Hospital Simulator Program. You and fellow audience team members battle against the opposition to determine the best clinical care for simulation scenarios. The SIM experience enhances your communication skills and problem solving.

If you would like to be a participant in SIM Wars, please e-mail our Coordinator, Amanda Buckley at amanda.buckley@childrens.harvard.edu

5:30-7:30 Complimentary Cocktail Reception

Please join our faculty in a relaxed setting to reflect on the day's topics.

COURSE SCHEDULE

Saturday, May 3, 2014

7:00-8:00 Optional Breakfast Breakout Panels

Limited to 15 People – Pre-registration and Fee Required

Otolaryngological Anesthesia

Lynne R. Ferrari, MD, Elena Brusseau, MD and Janet W. Valicenti, CRNA

Preparing for the Pediatric Anesthesia Board Exam (Our Firsthand Experience)

Robert M. Brustowicz, MD, and Annette Y. Schure, MD

Pediatric Evaluation of Children and Infants (Moderator: Sharon L. Redd, MD)

8:00-8:30 Diabetes Mellitus and Other Endocrinopathies - Lynne R. Ferrari, MD

8:30-8:50 Evaluation of Coexisting Disease - Sabeena K. Chacko, MD

8:50-9:10 Preoperative Evaluation of Cardiac Kids - Annette Y. Schure, MD

9:10-9:30 URI's and Seasonal Allergies - Janet W. Valicenti, CRNA

9:30-9:45 Break

Advances in Pediatric Anesthesia and Surgical Practice

(Moderator: Babu V.R. Koka, MBBS)

9:45-10:15 Endoscopic Procedures - Kai Matthes, MD, PhD

10:15-10:45 Everything Robot - Constance S. Houck, MD

10:45-11:15 VEPTRs and Growing Rods - Robert M. Brustowicz, MD

11:15-11:45 Antifibrinolytics - Susan M. Goobie, MD

11:45-12:45 Lunch (On Your Own) **or**

Optional Box Lunch with Interesting Case Discussion

(Limited to 15 people – Pre-registration and Fee Required)

Conjoined Twins - Charles D. Nargoizian, MD and Elizabeth C. Eastburn, DO

Disaster Victims - Craig D. McClain, MD, MPH, James Peyton, MD, and J. William Sparks, MD
(Our experience after the 2013 Boston Marathon)

COURSE SCHEDULE

Saturday, May 3, 2014

Cardiac Problems (*Moderator: Kirsten C. Odegard, MD*)

- 12:45-1:05** **Noncardiac Surgery in Children with Congenital Cardiac Disease**
Thomas M. Burch, MD
- 1:05-1:25** **Pediatric Cardiac Arrhythmias -** *Alfonso Casta, MD*
- 1:25-1:45** **Update on Congenital Cardiac Repairs -** *David Whiting, MD*
- 1:45-2:00** **Break**

Pediatric Airway Lectures and Hands-on-Workshop

(*Moderators: Bistra Vlassakova, MD and Mary Landrigan-Ossar, MD*)

- 2:00-5:00** **The Approach to the Pediatric Airway -** *Charles D. Nargozyan, MD*

Difficult Airway Case Presentation - *Raymond Park, MD*

Difficult Airway Hands-on-Workshop

*Nelson Aquino, CRNA; Jennifer Dearden, MD; Daniel Furlong, CRNA;
Jonathan D. Griswold, MD; Thomas J. Mancuso, MD; Craig D. McClain, MD, MPH;
Carlos Munoz, MD; Charles D. Nargozyan, MD; Raymond S. Park, MD;
James Payton, MD; Cynthia S. Tung, MD; Daniel Vo, MD; John Welch, CRNA;
and Koichi Yuki, MD*

COURSE SCHEDULE

Sunday, May 4, 2014

7:00-8:30 Continental Breakfast

7:30-8:30 Optional Breakfast Breakout Panels

Limited to 15 People – Pre-registration and Fee Required

Neurotoxicity Round Table

Sulpicio G. Soriano, MD and Mary Ellen McCann, MD

Managing an Acute Pain Service

Charles B. Berde, MD, PhD and Thomas J. Mancuso, MD

Editor's Pick 3 Best Papers for 2013/2014

(Moderator: Mary F. Landgrin-Ossar, MD)

8:30-8:50 Anesthesia and Analgesia - James A. DiNardo, MD

8:50-9:10 Pediatric Anesthesia - Sulpicio G. Soriano, MD

9:10-9:30 Pediatrics - Anne Louise Oaklander, MD, PhD

9:30-10:00 Break

Regional Anesthesia and Pediatric Pain Management

(Moderator: Charles B. Berde, MD, PhD)

10:00-10:20 Headache and the Adolescent - Alyssa A. LeBel, MD

10:20-10:40 Opiate Induced Hyperalgesia - Navil F. Sethna, MBChB

**10:40-11:10 Minimizing General Anesthesia - Cornelius A. Sullivan, MD
Exposure with Adjunctive Blocks Update**

11:10-11:40 Outcomes, Databases and Pain - Joseph P. Cravero, MD

COURSE SCHEDULE

Sunday, May 4, 2014

Regional Block and Pain Treatment Workshop

(Moderators: Navil F. Sethna, MBChB, Cornelius A. Sullivan, MD)

11:40-1:00 Pain Staff:

Elizabeth C. Eastburn, DO, Nishanti Kandiah, MD, Yuan-Chi Lin, MD, Kai Matthes, MD, PhD, Navil F. Sethna, MBChB, M-Irfan Suleman, MD, Cornelius A. Sullivan, MD and Amy E. Vinson, MD, Advisor: Karen Boretsky, MD

1. Epidural/Spinal
2. Acupuncture
3. Upper Extremity
4. Lower Extremity
5. Trunk/Head and Neck

Pediatric Maintenance of Certification (MOCA®) Training

Optional Offering: Limited to 5 people-Pre-registration and Fee Required

MOCA® Course Fee: \$1500

Course fee includes breakfast, coffee breaks, lunch and educational materials

If you are interested in attending two days of the conference in addition to the MOCA® course, we are offering a discounted tuition rate of \$495. You must register through Harvard Medical School for the conference and contact Matt Callahan at Boston Children's Hospital for MOCA® course registration.

Sunday, May 4, 2014

8:00-3:30 Boston Children's Hospital MOCA Simulator Training

One-day simulation training course in Pediatric Anesthesia Crisis Management in fulfillment of the simulation training requirement for Part IV (Practice Performance Assessment & Improvement) of Maintenance of Certification in Anesthesiology (MOCA®).

Challenging scenarios for the experienced pediatric anesthesiologist as well as the general practitioner. This program takes place directly at the point of clinical care—in the operating rooms and recovery area of Boston Children's Hospital.

For more information and to register for this course please e-mail our Quality Improvement Consultant, Matthew Callahan:
matthew.callahan@childrens.harvard.edu

REGISTRATION & ACCOMMODATIONS

Registration

Registration by credit card (VISA, Mastercard or American Express) can be made at: www.cme.hms.harvard.edu/courses/pediatricanesthesiology

Registration by check (draft on a United States bank), please make payable to Harvard Medical School and mail with registration form to Harvard Medical School–Department of Continuing Education, PO Box 417476, Boston, MA 02241-7476. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration an email confirmation from the HMS-DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information on including: registration confirmation, evaluation and certificate

Online Information

To register or view activity information online, visit:

www.cme.hms.harvard.edu/courses/pediatricanesthesiology

Accommodations

All sessions will be held at The Fairmont Copley Plaza, 138 St. James Avenue Boston, MA 02116 (617) 267-5300.

Hotel rooms in Boston are limited. You are urged to make your reservations early. A limited number of rooms have been reserved at The Fairmont Copley until April 11, 2014. Please specify that you are enrolled in this course to receive the reduced room rate of \$319 Single/Double. A map of Boston listing local hotels will be sent with your confirmation of enrollment. For additional housing assistance, call Boston Reservations at (617) 332-4199.

Disclosure Policy

Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

Refund Policy

A handling fee of \$60 is deducted for cancellation. Refund requests must be received by postal mail, email or fax one week prior to this activity. No refunds will be made thereafter.

MOCA Cancellation Policy

A \$200 processing fee will be charged for all cancellations. A 50% cancellation fee will be applied to cancellations within 4 weeks of the course.

Three Day Course: Practical Aspects of Pediatric Anesthesia and Critical Care - Course # 342645

May 2-4, 2014

If you would like to be a participant in SIM Wars on Friday afternoon, please e-mail our Coordinator, Amanda Buckley at amanda.buckley@childrens.harvard.edu



Optional Breakfast Breakout Panels:

Neuroanesthesia	\$25 (USD)
Wellness and the Healthcare Provider	\$25 (USD)
Otolaryngological Anesthesia	\$25 (USD)
Craniofacial Surgery	\$25 (USD)
Preparing for the Pediatric Anesthesia Board Exam	\$25 (USD)
Humanitarian Medicine	\$25 (USD)
Neurotoxicity Round Table	\$25 (USD)
Managing an Acute Pain Service	\$25 (USD)

Optional Lunch Breakout Panel:

Conjoined Twins	\$35 (USD)
Disaster Victims	\$35 (USD)

Physicians: \$795

Physicians with MOCA® : \$495 plus MOCA Fee Limited to 5 people **MOCA is paid separately to Simulator Program See Page 9 for details (Sunday Schedule)**

Residents/Fellows in Training: \$695

CRNAs: \$595 SNAs: \$495

Please select up to three breakfast panels and/or one lunch panel
Panels are limited to 15; assignments are made in the order received.

Optional Breakfast Breakout Panels	5/2/2014	5/3/2014	5/4/2014
Neuroanesthesia - \$25 (USD)			
Wellness and the Healthcare Provider - \$25 (USD)			
Otolaryngological Anesthesia - \$25 (USD)			
Craniofacial Surgery - \$25 (USD)			
Preparing for the Pediatric Anesthesia Board Exam - \$25 (USD)			
Humanitarian Medicine - \$25 (USD)			
Neurotoxicity Round Table - \$25 (USD)			
Managing an Acute Pain Service - \$25 (USD)			

Online Registrants –
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Optional Lunch Breakout Panel	5/2/2014	5/3/2014	5/4/2014
Conjoined Twins - \$35 (USD)			
Disaster Victims - \$35 (USD)			

Total \$ _____ USD

Print Name Clearly — All Fields Required

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Mailing Address _____
City _____ State _____ Zip Code _____ Country _____
Daytime Phone (_____) _____ Fax Number (_____) _____
Email Address _____

Please note Your email address is used for critical information about the course including: registration confirmation, course evaluationand certificate. Please be sure to include an email address you check daily or frequently.

☐ Please check if you wish to be **excluded** from receiving email notices of future Harvard Medical School Department of Continuing Education programs.

Profession _____ Degree _____
Primary Specialty (Physicians Only) _____
Board Certified: Yes ☐ No ☐
Professional School Attended (**Physicians only**) _____
☐ Harvard Medical School ☐ U.S. Medical School ☐ International Year of Graduation _____



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**Fulfill Your
MOCA Requirements
Sunday, May 4, 2014
Limited to 5 Participants
Enroll Early**

Practical Aspects of Pediatric Anesthesia and Critical Care

Register online at: www.cme.hms.harvard.edu/courses/pediatricanesthesiology