



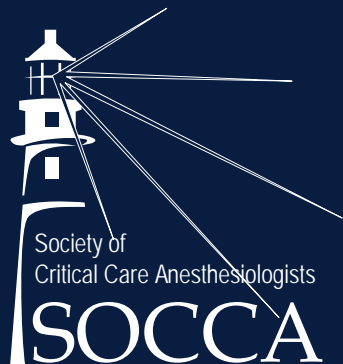
Final Program

# SOCCA

Presented prior to the IARS 2014 Annual Meeting and International Science Symposium

## 27th Annual Meeting and Critical Care Update

May 16, 2014 | Fairmont The Queen Elizabeth Hotel | Montréal, Canada



Plan to attend this meeting if you are a(n)...

- Critical Care Specialists
- Perioperative Physicians
- Clinical and Research Scientists
- Intensivists
- Other Healthcare Professionals Interested in Critical Care Medicine

Online Registration is available at [www.SOCCA.org](http://www.SOCCA.org)



# Welcome Letter

Welcome to the SOCCA 27<sup>th</sup> Annual Meeting and Critical Care Update in Montréal, Canada! For the first time this year, the Society of Critical Care Anesthesiologists (SOCCA) Annual Meeting will be held in conjunction with the International Anesthesia Research Society (IARS) 2014 Annual Meeting and International Science Symposium. SOCCA registrants will be able to take advantage of even more valuable education sessions, beginning with the SOCCA 27<sup>th</sup> Annual Meeting on May 16 and continuing with a full day focused on critical care at the IARS 2014 Annual Meeting on May 17.

The Annual Meeting Program Committee, comprised of Dr. Carlee Clark, Dr. Patricia Murphy and Dr. Daryl Kor, has constructed a stimulating program with sessions on the latest updates in the practice of critical care, original research presented by your colleagues in the poster room, and many opportunities for networking including a reception to conclude the meeting.

*Sessions Include:*

## Session I

The SOCCA 27<sup>th</sup> Annual Meeting will kick off with a session focused on *RV: The Forgotten Ventricle in the ICU*. Topics will include management of acute pulmonary hypertension, the role of right mechanical heart assist and bedside point of care ultrasound assessment.

## Session II

*Celebrating Science*, the second session of the Annual Meeting, will introduce the important publications that are valuable to critical care medicine now while highlighting abstracts presented by your peers.

## Session III

*Biomedical and Health Informatics in the ICU*, will discuss ways to improve healthcare and new methods for achieving this goal.

## Session IV

Session IV will evaluate best practices for *Interactive Case Management*.

## Critical-Care Focused Day – May 17

The Saturday IARS education program offers a special focus on critical care, including two SOCCA Workshops, a Panel and a Problem-Based Learning Discussion session:

- SOCCA: *Critical Care Ultrasound Workshop*
- SOCCA: *Perioperative ACLS Simulation Workshop*
- SOCCA: *From the ICU to the OR: Critical Illness Intraoperative Decisions in the OR*
- SOCCA: *A Complex Challenge: Spinal Instrumentation Requiring Aggressive Resuscitation Techniques and Multimodal Analgesia*

We are confident that you will find this combined meeting a rewarding experience! Enjoy the beautiful city of Montréal and all it has to offer!

Sincerely,

Brenda G. Fahy, M.D., MCCM  
SOCCA President

# Faculty and Program Committee

**John P. Abenstein, M.S.E.E., M.D.**  
Associate Professor of Anesthesiology  
Mayo Clinic  
Rochester, Minnesota

**Ruben J. Azocar, M.D.**  
Associate Professor  
Associate Chair, Department of Anesthesiology  
Tufts University School of Medicine  
Boston, Massachusetts

**James Blum, M.D.**  
Chief, Critical Care and Surgical  
Specialty Anesthesia  
Emory University Hospital  
Assistant Professor  
Emory University  
Atlanta, Georgia

**Daniel R. Brown, M.D., Ph.D., FCCM**  
Associate Professor of Anesthesiology  
Mayo Clinic College of Medicine  
Chair, Division of Critical Care Medicine  
Mayo Clinic  
Rochester, Minnesota

**Carlee A. Clark, M.D.**  
Assistant Professor  
Anesthesia and Perioperative Medicine  
Medical University of South Carolina  
Charleston, South Carolina

**Andre A. Denault, M.D.**  
Anesthesiologist and Critical Care Physician  
Montreal Heart Institute  
Professor of Anesthesiology  
Department of Surgery, Intensive Care Division  
Montreal University Health Center  
Montreal, Quebec, Canada

**Clifford S. Deutschman, M.S., M.D., MCCM**  
Professor of Anesthesiology and Critical Care  
Department of Anesthesiology and Critical Care  
Hospital of the University of Pennsylvania  
Philadelphia, Pennsylvania

**Brenda G. Fahy, M.D., MCCM**  
Professor of Anesthesiology  
Chief, Division of Critical Care Medicine  
Medical Director, Shands Hospital Critical  
Care-Anesthesiology Services  
University of Florida College of Medicine  
Gainesville, Florida

**Steven Greenberg, M.D.**  
Director of Critical Care Services,  
Evanston Hospital  
NorthShore University HealthSystem  
Clinical Assistant Professor  
Department of Anesthesiology Critical Care  
University of Chicago  
Pritzker School of Medicine  
Chicago, Illinois

**Erin K. Hennessey, M.D.**  
Clinical Instructor of Anesthesia  
Critical Care Medicine  
Stanford University Medical Center  
Palo Alto, California

**Daryl J. Kor, M.D.**  
Assistant Professor of Anesthesiology  
Department of Anesthesiology  
Mayo Clinic College of Medicine  
Rochester, Minnesota

**Massimiliano Meineri, M.D.**  
Director of Perioperative Echocardiography  
Peter Munk Cardiac Centre  
Toronto General Hospital  
Associate Professor  
University of Toronto  
Toronto, Ontario, Canada

**Vivek Moitra, M.D.**  
Associate Clinical Professor of Anesthesiology  
Associate Medical Director  
Surgical Intensive Care Unit  
Associate Program Director  
Critical Care Medicine Fellowship,  
Division of Critical Care  
Columbia University College of Physicians  
New York, New York

**Patricia Murphy, M.D.**  
Associate Professor  
Department of Anesthesia and Pain Management  
Toronto General Hospital  
University of Toronto  
Toronto, Ontario, Canada

**Michael F. O'Connor, M.D., FCCM**  
Professor of Anesthesiology and Critical Care  
Department of Anesthesia and Critical Care  
Chief, Section of Critical Care  
The University of Chicago  
Chicago, Illinois

**Vivek Rao, M.D., Ph.D., FRCPS**  
Chief, Cardiovascular Surgery  
Peter Munk Cardiac Centre  
Toronto General Hospital  
Toronto, Ontario, Canada

**Avery Tung, M.D., FCCM**  
Professor of Anesthesiology and Critical Care  
Quality Chief for Anesthesia  
Department of Anesthesia and Critical Care  
The University of Chicago  
Chicago, Illinois

**Liza M. Weavind, M.D.**  
Associate Professor of Anesthesia  
Director, Critical Care Fellowship Program  
Vanderbilt University Medical Center  
Nashville, Tennessee

**Brian Wessman, M.D.**  
Co-Director  
Critical Care Medicine Fellowship  
Assistant Professor of Anesthesiology  
and Emergency Medicine  
Washington University School of Medicine  
St. Louis, Missouri

## Board of Directors

### Officers

**President**  
Brenda G. Fahy, M.D., MCCM

**President-Elect**  
Aryeh Shander, M.D., FCCM

**Treasurer**  
Avery Tung, M.D., FCCM

**Secretary**  
Daniel R. Brown, M.D., Ph.D., FCCM

**Immediate Past President**  
Michael F. O'Connor, M.D., FCCM

### Directors

Miguel A. Cobas, M.D.  
Christine A. Doyle, M.D.  
Lauren L. Hill, M.D., M.B.A.  
Linda L. Lui, M.D.  
Mark E. Nunnally, M.D., FCCM  
Michael H. Wall, M.D., FCCM

# Continuing Medical Education (CME) Activity Information

## Activity Overview

The Society of Critical Care Anesthesiologists 27<sup>th</sup> Annual Meeting seeks to optimize outcomes for critically ill patients and their families by providing updates and expert discussion on topics of interest to anesthesiologists practicing critical care and perioperative medicine through advancing knowledge, improving competence and enhancing performance of intensive care teams.

## Target Audience

The SOCCA 27<sup>th</sup> Annual Meeting and Critical Care Update is designed for anesthesiologists in the clinical and laboratory setting who desire to improve development of anesthesiology teaching methods by engaging in an interchange of ideas as represented in this meeting.

## Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the International Anesthesia Research Society (IARS) and the Society of Critical Care Anesthesiologists (SOCCA). The IARS is accredited by the ACCME to provide continuing medical education for physicians.

## American Medical Association (AMA)

### Credit Designation Statement

The International Anesthesia Research Society designates this live activity for a maximum of 7 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Educational Objectives

As a result of participation in this CME activity, learners should be able to:

- Recognize the current state of emerging knowledge and practice patterns and assess the relevance for their professional practice;
- Incorporate new knowledge from advances in anesthesiology practice into their professional practice areas; and
- Recognize gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

### Disclosure

The IARS complies with ACCME Essential Areas, Standards and Policies regarding industry support of CME Activities. The IARS has implemented policies and practices with respect to the planning, implementation and presentation of this activity to identify and resolve potential conflicts of interest for all persons in a position to control content.

## Session Learner Objectives

### What's New in Management of Acute Pulmonary Hypertension in the ICU

- Recognize the different mechanism of acute pulmonary hypertension and its consequence on RV function.
- Develop an approach in the treatment of acute pulmonary hypertension in the ICU.

### Role of Right Mechanical Heart Assist

- Recognize the risk factors for RV failure following LVAD implant.
- Review the management of RV failure.
- Evaluate the role of mechanical RV support.

### Bedside Point of Care Ultrasound in Assessment of RV Function

- Recognize the pathophysiology of right ventricular failure.
- Recognize the common transthoracic views of the Right Ventricle.
- Integrate a comprehensive bedside Point of care US assessment.

### Important Publications You Might Have Missed

- Identify key articles that influence medical care in critically ill patients.
- Describe the population, intervention, control group, and outcome for each study discussed.

### Innovative Informatics Approaches to Improve Healthcare Delivery in the ICU

- Identify opportunities for improvement in current clinical workflows and their outcomes.
- Illustrate how to improve situational awareness and decision support with innovative informatics to impact ICU patient outcomes.
- Elucidate barriers to the use of technology to drive patient care.
- Address security concerns in the ICU with medical technology.

### Tele-ICU: Optimizing Care Delivery in Under-Resourced ICUs

- Recognize the need for Tele-ICU services in the US.
- Discuss the outcome data related to Tele-ICU utilization.
- Identify what the future of Tele-ICU might look like.

### The Future of Clinical Informatics in the ICU

- Recognize the existing and future electronic medical record infrastructure in critical care environments.
- Discuss lost data and the value that may exist in this data.
- Use these data systems to improve quality and conduct research.

### Interactive Case Management

- List considerations for induction of anesthesia in unstable patients.
- Discuss current controversies in perioperative fluid management.
- Characterize risks in emergent blood product transfusion.



# Program Schedule

## Friday, May 16, 2014

- 6:30 a.m. – 5:00 p.m. Registration
- 7:30 – 8:00 a.m. Continental Breakfast – Exhibits Open
- 8:00 – 8:05 a.m. Welcome and Introduction  
Carlee Clark, M.D.; Daryl Kor, M.D.
- 8:05 – 8:15 a.m. IARS Leadership Opening Remarks  
Denise J. Wedel, M.D. – Board Chair

### Session I - RV: The Forgotten Ventricle in the ICU

- 8:20 – 8:50 a.m. What's New in Management of Acute Pulmonary Hypertension in the ICU  
Andre A. Denault, M.D.
- 8:55 – 9:25 a.m. Role of Right Mechanical Heart Assist  
Vivek Rao, M.D., Ph.D., FRCPS
- 9:30 – 10:00 a.m. Bedside Point of Care Ultrasound in Assessment of RV Function  
Massimiliano Meineri, M.D.
- 10:00 – 10:15 a.m. Break and Visit with Vendors

### Session II - Celebrating Science

- 10:20 – 11:10 a.m. Important Publications You Might Have Missed  
Vivek Moitra, M.D. – Moderator  
**Panelists:**  
Steven B. Greenberg, M.D.  
Erin K. Hennessey, M.D.  
Brian Wessman, M.D.
- 11:15 – 11:30 a.m. **Young Investigator Award and Abstract Presentation**  
"Focused Echocardiography During Glucagon Administration To Diagnose Beta Blocker-induced Cardiomyopathy"  
Andrew Young, M.D.
- 11:35 – 11:40 a.m. Introduction of ASA Representative  
Aryeh Shander, M.D., FCCM
- 11:45 – 11:55 a.m. ASA Address  
John P. Abenstein, M.D. – ASA President-Elect

- 12:00 – 1:00 p.m. Lunch and Burchardi Award  
Burchardi Award Recipient  
Michael F. Heine, M.D.

### Session III – Biomedical and Health Informatics in the ICU

- 1:00 – 1:20 p.m. Innovative Informatics Approaches to Improve Healthcare Delivery in the ICU  
Lisa Weavind, M.D.
- 1:25 – 1:45 p.m. Tele-ICU: Optimizing Care Delivery in Under-Resourced ICUs  
Ruben Azocar, M.D.
- 1:50 – 2:10 p.m. The Future of Clinical Informatics in the ICU  
James Blum, M.D.
- 2:15 – 2:50 p.m. Moderated Poster Session
- 2:15 – 2:50 p.m. Break and Vendor Visits
- 2:55 – 3:25 p.m. **Lifetime Achievement Award Presentation**  
"Laws and Axioms to Live By – or – Some Stuff I've Learned Along The Way"  
Clifford S. Deutschman, M.S., M.D., MCCM

### Session IV – Interactive Case Management

- 3:30 – 3:35 p.m. Introduction  
Daniel R. Brown, M.D., Ph.D., FCCM - Moderator
- 3:35 – 4:55 p.m. **Panelists:**  
Brenda G. Fahy, M.D., MCCM  
Michael F. O'Connor, M.D., FCCM  
Avery Tung, M.D., FCCM
- 4:55 – 5:00 pm. Closing Remarks
- 5:00 – 5:45 p.m. SOCCA Annual Business Meeting
- 5:00 – 6:00 p.m. Resident/Fellow Program
- 5:45 – 7:00 p.m. Welcome Reception

## Fairmont The Queen Elizabeth

900 Rene Levesque Blvd. West | Montreal, Quebec, Canada  
(514) 861-3511 | Toll-free: 1(800) 441-1414

Fairmont The Queen Elizabeth is the host hotel for the SOCCA 27th Annual Meeting and Critical Care Update.

The downtown hotel is located above the train station (via rail & AMTRAK) and connected to the extensive underground city boasting thousands of boutiques, restaurants and cafés, and it is within walking distance of Montréal's sports and cultural attractions.

A limited number of rooms have been secured for our meeting attendees at the special conference group rate of \$215 (CDN plus tax) for single/double occupancy. The cut-off date to make your hotel reservations at this rate is

**April 14, 2014.** Reservations received after the cut-off date are subject to space and rate availability.

Reservations can be made directly with the hotel at (514) 861-3511 or toll-free: 1 (800) 441-1414. Please be sure to mention the special code to obtain the special conference group rate.

IARS Hotel Conference Group Code:  
IARS0514\_001

[Make your reservation online to the Fairmont The Queen Elizabeth.](#)

## Montréal-Trudeau International Airport (YUL)

Fairmont The Queen Elizabeth hotel is located approximately 20 minutes in downtown, and 14 miles (22km) from the Montréal-Trudeau International Airport. Montreal has many local taxi companies in the area. If coming directly from the airport, there is a taxi service that brings you directly to or from downtown hotels for a flat rate of \$40.

## Entry into Canada – Passports and Visa

Every year, thousands of international business people come to Canada to do business with Canadian companies. There are requirements you must meet to be allowed into Canada. Don't forget to ensure you have a valid passport at all times, and in some cases, a visa. American citizens returning home should also be aware that there are new customs requirements in effect.

The Society of Critical Care Anesthesiologists  
would like to thank the following exhibitors  
of the SOCCA 27<sup>th</sup> Annual Meeting:



Elsevier



Hospira



Verathon Medical

# SOCCA 27<sup>th</sup> Annual Meeting and Critical Care Update - Registration Form

May 16, 2014 | Fairmont The Queen Elizabeth Hotel | Montréal, Canada

Please print or type.

First Name	MI	Last Name	
Affiliation		Degree(s)	
Mailing Address			
City	State	Country	ZIP/Postal Code
Phone		Fax	
E-Mail		ABA#	

## SOCCA 27<sup>th</sup> Annual Meeting and Critical Care Update

Friday, May 16, 2014

Your registration fee covers: Friday's sessions, Continental Breakfast, Lunch, Break Refreshments, Welcome Reception and Syllabus.\*

Registration Fees*	Onsite Registration	
<input type="checkbox"/> SOCCA Member ( <i>Dues must be current</i> ) . . . . .	\$260	\$ _____
<input type="checkbox"/> Non-SOCCA Member . . . . .	\$410	\$ _____
<i>(Includes SOCCA membership for 2014)</i>		
<input type="checkbox"/> Educational Member - Resident or Fellow . . . . .	\$75	\$ _____
<i>(Dues must be current)</i>		
<input type="checkbox"/> Medical Student . . . . .	\$75	\$ _____
<input type="checkbox"/> Allied Health Professional . . . . .	\$160	\$ _____
	<b>REGISTRATION TOTAL</b>	<b>\$ _____</b>

## SPECIAL RATES

SOCCA Annual Meeting attendees can receive discounted rates for the IARS meeting. To register for the IARS 2014 Annual Meeting, please go to [www.IARS.org](http://www.IARS.org)

- To receive \$150 off your IARS full-conference General Registration, enter Discount Code: **IARSAM-SOCCA**
- To receive \$50 off your One-Day Sat, 5/17 IARS meeting registration, enter Discount Code: **Sat1Day-SOCCA**
- To receive \$25 off the IARS In-Training (Resident/Fellow/Student) registration, enter Discount Code: **In-Training-SOCCA14**

## Special Needs Statement

- I will require assistance.
- Please check here for vegetarian meals
- Please check here for kosher meals
- Please check here for gluten free meals

## Method of Payment:

- Check (payable to SOCCA in U.S. funds) SOCCA Tax ID No. 36-3422600
- MasterCard    Visa    AmericanExpress    Discover

Card Number	Exp. Date
Name	Signature

## Refund/Cancellation Policy

Registration cancelled on or before May 9, 2014 will receive registration refund less a \$50 processing charge. Registration fees will not be refunded if cancelled after May 9, 2014.

Send completed registration form with payment to:

**Society of Critical Care Anesthesiologists**  
44 Montgomery St., Suite 1605 | San Francisco, CA 94104-4703  
Phone: (415) 296-6952 | Fax: (415) 296-6901

### Questions?

Contact the SOCCA office via the contact information above.

Registration is also available online at [www.SOCCA.org](http://www.SOCCA.org)