



Society of  
Cardiovascular  
Anesthesiologists

2014



Co-sponsored by

The Society  
of Thoracic  
Surgeons

# *Critical Care* **SYMPOSIUM**



**March 28, 2014**

**Sheraton New Orleans • New Orleans, LA**

For current registration and program information, please visit [www.scahq.org](http://www.scahq.org)

## **Faculty and Planning Committee**

**Andrew D. Shaw, MB FRCA FCCM**

Course Director

Associate Professor of Anesthesiology

Duke University Medical Center

Durham, NC

**Aaron M. Cheng, MD**

Assistant Professor, Department of Surgery

University of Washington

School of Medicine

Seattle, WA

**J. Mauricio Del Rio, MD**

Assistant Professor of Anesthesiology

Duke University Medical Center

Durham, NC

**Amanda Fox, MD MPH**

Associate Professor of Anesthesiology

University of Texas Southwestern Medical

Center

Dallas, TX

**G. Burkhard Mackensen, MD PhD**

Professor Anesthesiology

University of Washington

Seattle, WA

**Robert N. Sladen, MBChB FCCM**

Professor and Vice Chair of Anesthesiology

Columbia University

New York, NY

**Chad E. Wagner, MD**

Associate Professor of Cardiac Anesthesia

& Critical Care

Vanderbilt University

Nashville, TN

**Michael H. Wall, MD**

JJ Buckley Professor and Chairman

Department of Anesthesiology

University of Minnesota

Minneapolis, MN

**Glenn J. Whitman, MD**

Associate Professor of Cardiac Surgery

Johns Hopkins Hospital

Baltimore, MD



Society of  
Cardiovascular  
Anesthesiologists

# Critical Care SYMPOSIUM

Co-sponsored by



The Society  
of Thoracic  
Surgeons

**Friday, March 28, 2014**

*Moderators: Andrew D. Shaw, MB FRCA FCCM, and J. Mauricio Del Rio, MD*

## **1–2 PM Hemodynamic Monitoring**

- Mini-TEE: Is There a Place in the CT ICU? (*Chad E. Wagner, MD*)
- When to Use a PAC (*Glenn J. Whitman, MD*)
- Arterial Waveform Analysis: How to Use It (*Robert N. Sladen, MBChB FCCM*)

## **2–3 PM Fluids and Fluid Therapy**

- Crystalloids Are All We Need (*Andrew D. Shaw, MB FRCA FCCM*)
- Colloids Are Essential (*Michael H. Wall, MD*)

## **3–3:15 PM Coffee Break**

## **3:15–4:15 PM Extracorporeal Technology in CT ICU**

- Partial Lung Assist: Do We Still Need Ventilators? (*Aaron M. Cheng, MD*)
- CVVH: A Technique for All (*Robert N. Sladen, MBChB FCCM*)

## **4:15–5:45 PM**

## **Pro-Con Debate: Blood Transfusion Triggers Are Too Conservative in 2013**

*Moderators: G. Burkhard Mackensen, MD PhD, and J. Mauricio Del Rio, MD*

## **The Case for Liberal Transfusion**

- PRO (*Glenn J. Whitman, MD, and Michael H. Wall, MD*)
- CON (*Aaron M. Cheng, MD, and Chad E. Wagner, MD*)

## **5:45–6:00 PM Closing (Andrew D. Shaw, MB FRCA FCCM)**

### **Accreditation Statement**

The Society of Cardiovascular Anesthesiologists is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### **Designation Statement**

The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 4.75 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## About This Meeting

### **Course Description**

Presented in conjunction with the Society of Thoracic Surgeons this will be a state-of-the-art review of advances in cardiothoracic surgical critical care medicine. It is a half-day program of panels, case discussions, lectures and pro-con debates provided by a combination of cardiac surgeons and anesthesiologists. Topics covered will include the use of restricted view TEE, renal replacement therapy, blood transfusion, hemodynamic management and partial lung assist (mini-ECMO). Registration is limited to ensure interactivity between the attendees and the faculty.

### **Target Audience**

Anesthesiologists who practice anesthesia for cardiac surgery, which include those who practice in both teaching centers and community hospitals and in centers with or without noncardiac surgery. Also included are anesthesia residents and cardiothoracic anesthesia fellows.

### **Statement of Need**

There have been many recent advances in the critical care management of cardiac surgical patients including, but not limited to, hemodynamic management, continuous renal replacement therapy, blood transfusion, and limited-view transesophageal echocardiography. Discussions with attendees at recent anesthesia meetings and a survey of course evaluations have identified these areas as professional practice gaps and this program of continuing education is designed to address the knowledge and performance deficiencies in these areas.

Critical care medicine for cardiothoracic surgery is not a separate subspecialty but is commonly included within the subspecialty of cardiovascular anesthesia. However, many clinicians who provide anesthesia for cardiac surgery do not routinely provide these services but are required to be cognizant of recent

advances and updates in the field. There has not been an adequate forum at national specialty or subspecialty anesthesia meetings to allow these practitioners to keep pace with the advances in CVICU medicine. This program is designed to be an update and review of CVICU for both anesthesiologists who do and those who do not do cardiac surgical ICU.

### **Goal**

To improve the delivery of perioperative care for patients having cardiac surgery, particularly in the postoperative period during the ICU stay

### **Objectives**

This symposium will have a limited registration and will attempt to maximize interaction between attendees and faculty with the use of panels, case discussions, and pro-con debates. Upon completion of this course, attendees should be able to

- identify the important perioperative management factors in patients receiving care in the cardiothoracic surgical ICU
- understand and discuss the use of mini-TEE for assessment and management of CVICU patients
- discuss the indications for use of a pulmonary artery catheter in CVICU patients
- understand arterial waveform analysis and its interpretation in the context of acute hemodynamic compromise
- discuss the advantages and disadvantages of crystalloids and colloids in the management of acutely unwell CVICU patients
- understand the latest advances in extracorporeal lung support technology
- discuss the use of continuous renal replacement therapy in the CVICU
- discuss and interpret current practice guidelines for the administration of stored blood products to CVICU patients.