3rd Annual Thoracic Anesthesia Symposium
March 28–29, 2014 • Sheraton New Orleans • New Orleans, LA

PROGRAM-AT-A-GLANCE

Course Director
Peter D. Slinger, MD

Program Committee
Randal S. Blank, MD, PhD; Javier H. Campos, MD; Edmond Cohen, MD; Lebron Cooper, MD; Philip Hartigan, MD; E. Andrew Ochroch, MD; Wanda Popescu, MD; Ferenc Puskas, MD, PhD
Target Audience
Anesthesiologists who practice anesthesia for noncardiac thoracic surgery. This includes anesthesiologists who practice in both teaching centers and community hospitals and in centers with and without cardiac surgery, as well as anesthesia residents and cardiothoracic anesthesia fellows.

Statement of Need
There have been many recent advances in anesthesia for noncardiac thoracic surgery, including, but not limited to, lung isolation techniques in patients with difficult airways, prevention of hypoxemia during one-lung ventilation, and management of minimally invasive and robotic lung surgery. 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 knowledge and performance deficiencies in these areas.

Anesthesia for thoracic surgery is not a separate subspecialty but is commonly included within the subspecialty of cardiovascular anesthesia; however, many clinicians who provide anesthesia for thoracic surgery do not provide cardiac anesthesia, and a large portion of thoracic surgery is performed in hospitals that do not do cardiac surgery. There has not been an adequate forum at a national specialty or subspecialty anesthesia meeting to allow these practitioners to keep pace with the advances in thoracic anesthesia. This program is designed to be an update and review of thoracic anesthesia for both anesthesiologists who do and do not do cardiac anesthesia.

Goal
To improve the provision of perioperative care for patients having noncardiac thoracic surgery

Objectives
This course will have a limited registration and will attempt to maximize interaction between attendees and faculty with the use of panels, case discussions, workshops, problem-based learning discussions (PBLDs), and debates. After attending this course, attendees should be able to

- identify the important anesthetic management factors in patients with pulmonary hypertension having noncardiac surgery
- evaluate new monitoring systems in thoracic anesthesia such as cerebral oximetry and noninvasive cardiac output
- understand recent developments in techniques of management for postthoracotomy pain including thoracic epidural and paravertebral infusions
- improve their ability to interpret new modalities of chest imaging
- understand recent developments in the physiology of one-lung ventilation and use this information to treat hypoxemia during minimally invasive thoracic surgery
- provide a variety of ventilation options for patients during airway surgery
- improve their ability to provide safe and reliable lung isolation with double-lumen tubes and bronchial blockers in patients with difficult airways
- discuss recent advances in anesthesia for lung transplantation.

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

Designation
The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 10.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Wanda Popescu, MD
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(As of February 13, 2014)

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Alfille, Paul, MD .............................................. 1
Amar, David, MD .............................................. 1
Andritsos, Michael, MD ................................. 1
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Blank, Randal S., MD, PhD ............................ 1
Bottger, Brandi A., MD ................................. 1
Bussieres, Jean, MD, FRCP ............................ 1
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DeMaria, Jr., Samuel, MD ............................. 1
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Massimiliano, Meineri, MD .......................... 1
Matadial, Christina M., MD .......................... 1
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Roscoe, Andrew J., MBChB, FRCA ................. 1
Schwartz, Andrew, MD ...................................... 1
Sebranek, Joshua J., MD .............................. 1
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Slinger, Peter D., MD ........................................... 1
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Subramanian, Kathirvel, MD ......................... 1
Swanson, Jeffrey, MD ........................................... 1
Ueda, Kenichi, MD ........................................... 1
Von Dossow-Hanflying, Vera, MD .......... 1

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Thursday, March 27, 2014

3–6 pm  Registration Desk Open

Friday, March 28, 2014

6:30 am–5:30 pm  Registration Desk Open

7–7:50 am  Continental Breakfast With Exhibitors

7:50–8 am  Introduction—Peter D. Slinger, MD Waterbury

8–9:15 am  Panel 1: Post-Thoracotomy Analgesia—Moderator: Peter D. Slinger, MD Waterbury

- A 75-Year-Old Patient With COPD for Open Lobectomy
- Why I Prefer Paravertebral Analgesia—Stephen Pennefather, MD
- Why I Prefer Thoracic Epidural Analgesia—Peter D. Slinger, MD
- How Can I Decrease Chronic Post-Thoracotomy Pain?—E. Andrew Ochroch, MD

PBLDs and Seminars

During the concurrent PBLDs and seminars, attendees will participate in the PBLD or seminar preselected for each of the four concurrent sessions. Every registrant will attend three PBLDs and one seminar. The selections were made when completing the meeting registration form and are included with your meeting name badge. Availability is first come, first served.

9:20–10:05 am  Session A: PBLD (See page 8 for list of PBLDs.) Waterbury

9:20–9:50 am  Session A: Seminar: Dramatic Emergencies in Thoracic Anesthesia—Philip M. Hartigan, MD Maurepas

9:50–11:15 am  Continental Breakfast With Exhibitors Lagniappe

10:30–11 am  Session B: PBLD (See page 8 for list of PBLDs.) Waterbury

10:30–11 am  Session B: Seminar: Esophagectomy—Randal S. Blank, MD, PhD; Benjamin Kozower, MD, MPH Maurepas

11:20 am–12:35 pm  Panel 2: Difficult Case? No problem!—Moderator: Wanda Popescu, MD Waterbury

12:35–1:35 pm  Lunch With Exhibitors Lagniappe

12:35–1:35 pm  Digital Abstract Presentations—Moderator: Ferenc Puskas, MD, PhD Gallery

1:35–2:50 pm  Panel 3: Airway Surgery—Moderator: Randal S. Blank, MD, PhD Waterbury

- Tracheobronchial Surgery: A Surgeon’s Perspective—Benjamin Kozower MD, MPH
- Anesthesia for Airway Surgery—Paul Alfille, MD
- Anterior Mediastinal Mass: A Fresh Look at an Old Demon—Philip M. Hartigan, MD
- Questions and Discussion

2:55–3:40 pm  Session C: PBLD (See page 8 for list of PBLDs.) Waterbury

2:55–3:25 pm  Session C: Seminar: Aging and Lung Resection—Paul M. Heerdt, MD, PhD Maurepas

3:25–4:40 pm  Coffee Break With Exhibitors Lagniappe

3:55–4:25 pm  Session D: PBLD (See page 8 for list of PBLDs.) Waterbury


4:45–6 pm  Pro-Con Debates—Moderators: Lebron Cooper, MD; Peter D. Slinger, MD Waterbury

Cerebral Oximetry Is Useful During Thoracic Surgery

PRO: Jonathan Leff, MD
CON: E. Andrew Ochroch, MD

Awake-Sedation Is a Useful Technique for VATS

PRO: Edmond Cohen, MD
CON: Javier H. Campos, MD

6–7 pm  Reception With Exhibitors Lagniappe
**Program Schedule**

**Saturday, March 29, 2014**

6 am–Noon  Registration Desk Open
7–8 am  Continental Breakfast With Exhibitors  Lagniappe

**Workshops**
All attendees preselected one Pig Lab and two Workshops. Selections were made when completing the meeting registration form and are included with your meeting name badge.

### Concurrent Pig Lab and Workshops • 8 am

**8–9:30 am**  Pig Lab A: Tracheobronchial Anatomy and Lung Isolation Devices  Waterbury

**8–8:50 am**  Workshop Session A (Workshops 1–4 listed below with room locations)
Registrants will attend one of the four workshops in Workshop Session A if attending Pig Lab B.

**8:55–9:45 am**  Workshop Session B (Workshops 1–4 listed below with room locations)
Registrants will attend one of the four workshops in Workshop Session B if attending Pig Lab B.

**9:30–10 am**  Coffee Break With Exhibitors  Lagniappe

### Concurrent Pig Lab and Workshops • 10 am

**10–11:30 am**  Pig Lab B: Tracheobronchial Anatomy and Lung Isolation Devices  Waterbury

**10–10:50 am**  Workshop Session C (Workshops 1–4 listed below with room locations)
Registrants will attend one of the four workshops in Workshop Session C if attending Pig Lab A.

**10:55–11:45 am**  Workshop Session D (Workshops 1–4 listed below with room locations)
Registrants will attend one of the four workshops in Workshop Session D if attending Pig Lab A.

### Problem-Based Learning Discussions (1-13)

<table>
<thead>
<tr>
<th>PBLD 1</th>
<th>Lung Transplantation</th>
<th>Andrew J. Roscoe, MBChB, FRCA; Vera Von Dossow-Hanfling, MD</th>
<th>Waterbury</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBLD 2</td>
<td>Awake Video Assisted Thorascopic Surgery (VATS) With MAC</td>
<td>Timothy Jackson, MD; Jagtar Singh Heir, DO</td>
<td>Waterbury</td>
</tr>
<tr>
<td>PBLD 3</td>
<td>Extra-Pleural Pneumonecctomy</td>
<td>Ju-Mei Ng, MD; Lebron Cooper, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 4</td>
<td>Airway Surgery</td>
<td>Ferenc Puskas, MD, PhD; Paul Alfille, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 5</td>
<td>Esophagectomy</td>
<td>Jens Lothser, MD; Stephen H. Pennelater, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 6</td>
<td>Bronchopleural Fistula</td>
<td>E. Andrew Ochroch, MD; Sherif I. Assaad, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 7</td>
<td>Robotic Thoracic Surgery</td>
<td>Gian P. Paparcuiri, MD; Bobby Nossaman, MD</td>
<td>Waterbury</td>
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<td>PBLD 8</td>
<td>Perioperative Arrhythmia Management in Thoracic Surgery</td>
<td>David Amar, MD; Alessia Pedoto, MD</td>
<td>Waterbury</td>
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<td>PBLD 9</td>
<td>EKG Changes During Thoracotomy</td>
<td>Paul Herott, MD, PhD; Marcus Gutzler, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 10</td>
<td>Cardiomyopathy and Pulmonary Resection</td>
<td>Randal S. Blank, MD, PhD; Michael J. Andritsos, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 11</td>
<td>Hemoptysis</td>
<td>Javier H. Campos, MD; Sundar Krishnan, MD</td>
<td>Waterbury</td>
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<td>PBLD 12</td>
<td>Leaking Thoracic Aneurysm</td>
<td>Ricardo Martinez-Ruiz, MD; Christina Matial, MD</td>
<td>Waterbury</td>
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<tr>
<td>PBLD 13</td>
<td>Post-Thoracotomy ICU Management</td>
<td>Andrew C. Steel, MD; Jacob Gutsche, MD</td>
<td>Waterbury</td>
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</tbody>
</table>

### Workshops

<p>| Pig Lab A &amp; B: Tracheobronchial Anatomy and Lung Isolation Devices | Javier H. Campos, MD; Edmond Cohen, MD; Lebron Cooper, MD; Kenichi Ueda, MD; Jean Bussiéres, MD, FRCPC; Jennifer MacPherson, MD | Waterbury |
| Workshop 1: Lung Ultrasound | Massimiliano Meineri, MD; Sundar Krishnan, MD; Katherine Grinchik, MD, FASE | Bayside A (4th Floor) |
| Workshop 2: Anesthesia for Airway Surgery and Interventional Procedures | Stephen A. Esper, MD, MBA; Kathirvel Subramaniam, MD; Joshua J. Sebranek, MD | Bayside BC (4th Floor) |
| Workshop 3: Simulator Workshop for Rare and Critical Events in Thoracic Anesthesia | Adam Levine, MD; Alan J. Sim, MD; Samuel DeMaria Jr., MD; Andrew Schwartz, MD | Maurepas (3rd Floor) |
| Workshop 4: Paravertebral Blocks | George Kanellakos, MD; Gian P. Paparcuiri, MD; Brandi A. Bottiger, MD | Gallery (1st Floor) |</p>
<table>
<thead>
<tr>
<th>Monitor 1</th>
<th>Moderator: Lebron Cooper, MD</th>
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<tbody>
<tr>
<td>Time</td>
<td>Title</td>
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<tr>
<td>12:35</td>
<td>Anesthetic Management of a Pregnant Female Undergoing Tracheal Dilation for Severe Recurrent Subglottic Stenosis</td>
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<td>12:41</td>
<td>Pseudomonas Aeruginosa Respiratory Tract Infections Associated With Contaminated Ultrasound Gel Used for Transesophageal Echocardiography</td>
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<tr>
<td>12:47</td>
<td>Timely Extubation in a Myasthenic Patient Following Thymectomy via Sternotomy</td>
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<tr>
<td>12:53</td>
<td>Anesthetic Considerations for Pneumonectomy With Left Atrial Resection on Cardiopulmonary Bypass in a Patient With Lung Cancer</td>
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<tr>
<td>12:59</td>
<td>An Approach to Tracheal Stenosis: Two Cases</td>
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<thead>
<tr>
<th>Monitor 2</th>
<th>Moderator: Peter D. Slinger, MD</th>
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<tr>
<td>Time</td>
<td>Title</td>
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<tr>
<td>12:35</td>
<td>Use of Awake Fiberoptic Intubation in an Adult Patient With Crouzon Syndrome Undergoing Laparoscopic Heller Myotomy for Esophageal Achalasia</td>
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<tr>
<td>12:41</td>
<td>Single Lung Transplantation Complicated by Torsion of the Donor Lung</td>
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<td>12:47</td>
<td>Lung Ultrasound Imaging After One Lung Ventilation: A Pilot Study Comparing Low Tidal Volume vs. High Tidal Volume Ventilation</td>
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<tr>
<td>12:59</td>
<td>Intraoperative Management of a Patient Undergoing Carcinoid Tumor Resection</td>
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<tr>
<th>Monitor 3</th>
<th>Moderator: Katherine Grichnik, MD, FASE</th>
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<tr>
<td>Time</td>
<td>Title</td>
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<tr>
<td>12:35</td>
<td>Does Non-Restrictive Fluid Protocol Increase Extravascular Lung Water Following Lung Resection?</td>
</tr>
<tr>
<td>12:41</td>
<td>Tissue Perfusion Biomarkers in Lung Resection Surgery: Effectiveness of Combined Fluid and Ventilatory Protective Strategies</td>
</tr>
<tr>
<td>12:47</td>
<td>An Alternative Method of Confirming Lung Isolation With a Double-Lumen Endotracheal Tube</td>
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<tr>
<td>12:53</td>
<td>The Anesthetic Considerations for Pneumonectomy With Left Atrial Resection on Cardiopulmonary Bypass in a Patient With Lung Cancer</td>
</tr>
<tr>
<td>12:59</td>
<td>Anesthetic Considerations for a Patient With Intralobar Pulmonary Sequestration Supplied by a Large Aneurysmal Afferent Artery: A Case Report</td>
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<tr>
<th>Monitor 4</th>
<th>Moderator: Ferenc Puskas, MD, PhD</th>
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<tr>
<td>Time</td>
<td>Title</td>
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<tr>
<td>12:35</td>
<td>Successful One-Lung Ventilation in a Patient With Fontan Circulation Undergoing Thoracoscopic Procedure</td>
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<tr>
<td>12:41</td>
<td>Unusual Approach to Left Mainstem Tumor Resection: A Right Thoracotomy</td>
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<tr>
<td>12:47</td>
<td>Incidental Finding of Tracheal Bronchus During Anesthetic Management of Left Video-Assisted Thoracoscopic Procedure</td>
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<tr>
<td>12:53</td>
<td>Managing Post-Thoracotomy Pain After Conversion to Open for Bronchial Injury With Preceding Exparel Use</td>
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<tr>
<td>12:59</td>
<td>Unanticipated Superior Vena Cava Resection During a Routine Right Upper Lobectomy</td>
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### ABSTRACT PRESENTATION SCHEDULE AND MONITOR ASSIGNMENT

**Monitor 5**  
**Moderator:** Wanda Popescu, MD

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<th>Title</th>
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<tbody>
<tr>
<td>12:35</td>
<td>Successful Use of Recombinant Activated Coagulation Factor VII in a Patient Supported With Venovenous ECMO After Lung Transplantation</td>
</tr>
<tr>
<td>12:41</td>
<td>Hypoxemia During Single Lung Transplant Performed on Intraoperative Venovenous ECMO</td>
</tr>
<tr>
<td>12:47</td>
<td>Tracheal Tear During Surgery for Anastomotic Leak Following Esophagectomy</td>
</tr>
<tr>
<td>12:53</td>
<td>Case Report: Flat Trachea Syndrome</td>
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<tr>
<td>12:59</td>
<td>Thoracoscopy for Exclusion of Left Atrial Appendage for Patient With Family History of Malignant Hyperthermia</td>
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### ORAL ABSTRACT PRESENTATIONS

**Monitor 2**  
**Moderator:** Peter D. Slinger, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:10</td>
<td>Short-Term Amiodarone Prophylaxis for the Prevention of Atrial Fibrillation After Major Thoracic Surgery</td>
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</table>

**Monitor 3**  
**Moderator:** Katherine Grichnik, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:18</td>
<td>Spinal Cord Ischemia Resulting in Paraplegia Following Extrapleural Pneumonection</td>
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</tbody>
</table>

**Monitor 4**  
**Moderator:** Ferenc Puskas, MD, PhD

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>1:25</td>
<td>Current Practice of Anesthesiological Management in Patients Undergoing Lung Transplantation in Germany: Results From a Postal Survey</td>
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### DIFFICULT CASES

**Jeffrey Swanson, MD**

Lung Isolation in a Patient With a Difficult Airway: Nasal Intubation and Use of the Rusch® EZ-Blocker™ Endobronchial Blocker

**Olga Gonzalez, MD**

Extracorporeal Membrane Oxygenation and Differential Ventilation in Traumatic Lung Injury

**Parker Gaddy, MD**

Management of a Severe Obstructing Endotracheal Mass

**Carrie Hamby, MD, MPH**

Left Lung Isolation During Resection of a Left Endobronchial Tumor Via Right Thoracotomy: Options for Ventilation and Oxygenation

**Michael Little, MD**

Lung Isolation With an Endobronchial Blocker and One-Lung Ventilation With Jet Ventilation Through an Airway Exchange Catheter in a Patient With a Large Distal Tracheal Tumor
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