

Program at a Glance



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4th Annual
Thoracic Anesthesia Symposium

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General Information

Target Audience

Academic and private practice anesthesiologists, residents, and fellows providing care for thoracic surgery in a teaching or community-based hospital setting

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. This program of continuing education is designed to address knowledge and performance deficiencies in these areas.

Although thoracic anesthesia is not a separate subspecialty, it 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 perform cardiac surgery. There has been no adequate forum at national specialty or subspecialty anesthesia meetings to allow these practitioners to keep pace with advances in thoracic anesthesia. This program is designed to be an update and review of thoracic anesthesia for anesthesiologists who practice cardiac anesthesia, as well as those who do not.

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 the attendee should be able to

- identify the important anesthetic management factors influencing the risk of perioperative lung injury
- develop an evidence-based plan for perioperative management of patients undergoing esophagectomy surgery
- stratify management options for patients with life-threatening lower airway compromise
- identify anesthetic priorities for patients having robotic thoracic surgery
- provide a variety of options for ventilation for patients during elective 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.

Designation

The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 7.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Claim Your Continuing Medical Education

To claim CME credit, visit www.scahq.org/Education/Evaluations to complete your 2015 Thoracic Anesthesia Symposium evaluations. **You must complete your evaluations to claim CME credit.**

CME Accreditation

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

Disclaimer

The material presented in this activity represents the opinion of the speakers and not necessarily the views of the Society of Cardiovascular Anesthesiologists.

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Associate Course Directors

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Ferenc Puskas, MD PhD

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Floor Plan

Meeting Level 4



Faculty

Disclosures

(as of March 4, 2015)

Nature of Relationship Key

1. No relevant financial relationships
2. Advisory Board Member
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5. Employee
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Disclosure Policy

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Schedule

7–7:50 am	BREAKFAST WITH EXHIBITORS	Liberty IJK
7:50–8 am	WELCOME AND MEETING ORIENTATION	Liberty LM
8–9 am	Panel: Lung Injury in Thoracic Surgery Peter Slinger, MD FRCPC; Marc Licker, MD; Andrew C. Steel, MBBS MRCP FFICM FRCA FRCPC	Liberty LM
9:05–9:50 am	PBLD 1* Workshop 1*	
9:55–10:40 am	PBLD 2* Workshop 2*	
10:40–11:05 am	COFFEE BREAK WITH EXHIBITORS	Liberty LM
11:05–11:50 am	PBLD 3* Workshop 3*	
11:55 am–12:40 pm	PBLD 4* Workshop 4*	
12:40–12:55 pm	LUNCH WITH EXHIBITORS	Liberty IJK
12:55–1:25 pm	POSTER SESSION	Liberty IJK & LM
1:25–2:10 pm	BEST POSTER PRESENTATIONS	Liberty LM
2:10–2:40 pm	Practice Management Seminar Wanda M. Popescu, MD; Frank C. Detterbeck, MD; R. Lebron Cooper, MD	Liberty LM
2:45–3:30 pm	PBLD 5* Workshop 5*	
3:30–4:15 pm	PBLD 6* Workshop 6*	
4:15–4:30 pm	COFFEE BREAK WITH EXHIBITORS	Liberty IJK
4:30–5:30 pm	Difficult Cases Wanda M. Popescu, MD	Liberty LM
5:30–6 pm	Pro-Con Fluids Javier H. Campos, MD	Liberty LM
6–7 pm	RECEPTION WITH EXHIBITORS	Liberty IJK

**Please see page 7 and your registration supplement for your PBLD and workshop schedule and room assignments.*

Problem-Based Learning Discussions (PBLDs)

All sessions will be held in Liberty LM.

Sleeve Resections

Arne P. Neyrinck, MD PhD; Ju-Mei Ng, MD

Airway Surgery

Ferenc Puskas, MD PhD; Paul Alfille, MD

Esophagectomy

Jens Lohser, MD MSc FRCPC; Paul Polyak, MD

Robotic Thoracic Surgery

Philip M. Hartigan, MD; Peter Slinger, MD FRCPC

VATS Thymectomy

Wanda M. Popescu, MD; Alessia Pedoto, MD

Right Ventricular and Pulmonary Vascular Adaptation

Paul M. Heerdt, MD PhD FCCP; Marcus Gutzler, MD

Anterior Mediastinal Mass and Difficult Airway

Randal S. Blank, MD PhD; Stephen R. Collins, MD

Preoperative Optimization to Reduce Morbidity and Mortality

Marc Licker, MD; Katherine Marseu, MD

Workshops

Lung Ultrasound

Massimiliano Meineri, MD; Andrew C. Steel, MBBS MRCP FFICM FRCA FRCPC

Liberty N

Anesthesia for Airway Surgery

Kathirvel Subramaniam, MD MPH; Joshua J. Sebranek, MD

Liberty O

Paravertebral Blocks

Brandi A. Bottiger, MD; Gian Paparcuri, MD

Monument

Lung Isolation with the Use of Bronchial Blockers

Javier H. Campos, MD; R. Lebron Cooper, MD

Supreme Court

Lung Isolation with a Difficult Airway

Ron V. Purugganan, MD; Jagtar Singh Heir, DO

Liberty P

Abstract Presentations

12:55–1:25 pm

Use of Simulation to Compare Two Bronchial Blockers

Dung Nguyen, Lexington, KY; Shira Gambrel, MD; Zaki Hassan, MBBS DA; Annette Rebel MD; University of Kentucky

Association of One-Lung Ventilation Duration and the Incidence of Postoperative Atrial Fibrillation

Alexandra Lewis; David Amar, MD

Sleeve Pneumonectomy: Lessons Learned in Airway Management

Kristine Pearson-Chauhan; Arvind Rajagopal, MD

Postoperative Contralateral Tension Pneumothorax Following Lobe Resection: Delayed Diagnosis

Emily Anton, Chicago, IL; Anthony DelaCruz; Rush University Medical Center

Continuous Paravertebral Catheters for Primary Analgesia After Thoracotomy for Port-Access Cardiac Surgery (PACS)

Yasmin Maisonave, MD, PRI; Sean Daley; Yi-Ju Li; Donald Glower; Brandi Bottiger, MD; University of Puerto Rico–Medical Science

Liposomal Bupivacaine Compared to Bupivacaine for Post-Operative Pain Management in Thoracotomy Patients: Reduction in Length of Stay and Narcotic Usage

Reginald Bulkley, MD, Springfield, IL; William Pyle, MD; Andrea Reidy, MD; Michael Reidy, MD; SIU School of Medicine; Allegheny General; UPMC-Mercy

Prevention of Perioperative Myocardial Infarction Using Eptifibatid (Integrilin) Bridging in Thoracic Surgery Patients

Nathan Waldron, Durham, NC; Torijaun Dallas, MD, Cibolo, TX; Loretta Erhunmwunsee, MD; Tracy Wang, MD MHS MS; Mark Berry, MD MHS; Ian Welsby, MBBS; Duke University Medical Center; San Antonio Military Medical Center; Stanford University

Reshaping the Double-Lumen Endobronchial Tube Stylet for GlideScope-Assisted Intubation

Igor Zhukov, MD, Emory University, Atlanta, GA

Severe Respiratory Distress in a Patient With a Large Mediastinal Mass Undergoing Emergent Pericardial Window Surgery

Paula Trigo Blanco; Joanna Thomas; Sherif Assaad, MD, North Haven, CT; VA Connecticut Healthcare System

A Mediastinoscopy That Was Complicated by Major Hemorrhage Requiring Sternotomy and Cardiopulmonary Bypass

Beril Abraham, Lexington, KY; Johannes Steyn, MD, Versailles, KY; University of Kentucky

Transfusion and Complications Related to Venovenous Cannulation for ECMO in Patients With Acute Respiratory Failure

Jacob Gutsche, MD, Narberth, PA; Fenton McCarthy, MD; Rebekah Williams; Michael Fabbro, Philadelphia, PA; Yianni Augoustides, MD; Rita Milewski, MD; William Vernick, MD; Wilson Szeto, MD, Philadelphia, PA; Nimesh Desai, MD; University of Pennsylvania

Anesthesia for Descending Thoracic Aortic to Bifemoral Bypass: A Challenging Case With Simultaneous Management of One-Lung Ventilation (OLV) and Supra-Celiac Cross Clamp Physiology

Joshua Trester, MD, Cincinnati, OH; Dustin Tsitouris, MD, Cincinnati, OH; University of Cincinnati

A Unique Cause of Airleak in One-Lung Ventilation

Amine El-Amraoui, MD, Durham, NC; Susan Martinelli, MD; Priya Kumar MD; University of North Carolina Hospitals

Severe Hyperkalemia Following Chest Wall Resection

Alexandra Lewis, New York, NY

Non-Invasive Respiratory Volume Monitoring: Evaluation of Respiratory Status Changes in a Cardiac Surgery Patient Post-Extubation

Diane Ladd, Waltham, MA; Stefan Ianchulev, MD; Respiratory Motion, Inc.; Tufts Medical Center

One-Lung Ventilation for Right Upper Lobectomy Through the Stoma of a Patient with Prior Laryngectomy

Perin Kothari; Michael Tran, DO, Philadelphia, PA; Temple University

Managing Acute Bleeding During Elective Thoracoscopic Surgery in a Jehovah's Witness

Sunberri Murphy, DO; Jennifer Dietrich, MD; Steven Frank MD; Johns Hopkins Hospital

Influence of the Anatomical Findings of Tracheal-Bronchial Tree on Multi-Detector Computed Tomography Scan Upon Placement of Left-Wided Double Lumen Endotracheal Tube

Satoshi Hanada, MD, Iowa City, IA; Kenichi Ueda, MD, Iowa City, IA; John Newell, MD; Eric Hoffman, PhD; Javier Campos, MD, Iowa City, IA; University of Iowa

Management and Repair of Acute Intubation-Related Tracheal Perforation

Ross Hanson, MD, Denver, CO; Daniel Beck, MD; Robert Meguid, MD MPH; Teresa Jones, MD; Nathaen Weitzel, MD, Aurora, CO; University of Colorado Hospital

Challenges of Perioperative Anesthetic Management of a Patient With Tracheo-mediastinal Fistula

Louise Wen, Palo Alto, CA; Edward Gologorsky; Jessica Brodt, MD, Stanford, CA; Stanford University Medical Center; Allegheny General Hospital

Postoperative Contralateral Tension Pneumothorax Following Lobe Resection: Delayed Diagnosis

Emily Anton, Chicago, IL; Anthony DelaCruz; Rush University Medical Center

Pleurectomy and Intraoperative Heated Chemotherapy

Marie McHenry; Daneil Tolpin, MD; The Texas Heart Institute

Thoracic Approach for Repair of Epicardial Dissection Following Post CABG Left Ventricular Aneurysm

Mahesh Vaidyanathan; Sloan Youngblood, MD; University of Mississippi Medical Center

Interventional Rigid Bronchoscopy Using Total Intravenous Anesthesia and Spontaneous Assisted Ventilation

Farhan Farooqui, MD, Schaumburg, IL; Mark Chaney, MD, Riverside, IL; University of Chicago Medicine; University of Chicago

20-Year-Old With Giant Anterior Mediastinal Mass

Alex Leone; Nelson Burbano; Anand Mehta, MD

Pneumothorax: Not an Infrequent Complication of Diaphragmatic Pacemaker Placement

Alexandra Baracan; Daniela Orza, MD

Resection of a Rare Diaphragmatic Tumor in a Young Woman With a Familial History of Malignant Hyperthermia and a Difficult Airway

Julie Lajoie; Daneilla Dimitri

Laparoscopic Insertion of Diaphragm Pacing to a Patient With Amyotrophic Lateral Sclerosis and Cardiac Comorbidities: Anesthetic Considerations

Bunyamin Kir, MD, Istanbul, Turkey; Gulbin Tore Altun; Mustafa Kemal Arslantas; Alper Kararmaz; Tunc Lacin; Omer Ayanoglu; Marmara University School of Medicine and Marmara University Pendik Education and Research Hospital; Marmara University School of Medicine

Blunt Cardiac Injury Conundrum

Rohan Panchamia, New York, NY; Michelle Shirak, MD, New York, NY; Isaac Yoshii, MD, New York, NY; Emil Bogdanov, MD; Anastasia Grivoyannis, MD; Shanna Hill, MD, New York, NY; New York Presbyterian Hospital-Weill Cornell Medical Center; NYPH-WCMC

Foreign Body Extraction From a Traumatized Airway in a Patient With Relapsing Polychondritis

Harish Badhey, Chicago, IL; Arvind Rajagopal, MD; Rush University Medical Center

Anterior Mediastinal Mass and Tracheoesophageal Fistula Secondary to Induction Chemotherapy

Zachary Turnbull; Anoushka Afonso, New York, NY; Memorial Sloan Kettering

Awake Cardiopulmonary Bypass in a Patient With Metastatic Osteosarcoma Causing Mediastinal Shift With Cardiorespiratory Decompensation

Oscar Aljure, MD; Phuong Bui, MD; Yiliam Rodriguez-Blanco, MD, Miami, FL; Aharon Avramovich, MD; University of Miami/Jackson Memorial Ho

Mass Effect: Ectopic ACTH Syndrome and Anesthetic Approach in Thymic Carcinoid Tumor

Jeff McLaren; Jeffrey Swanson, MD, Cambridge, MA; Ju-Mei Ng; Brigham and Women's Hospital

Selective Lobar Isolation During One-Lung Ventilation for Repair of Acquired Tracheoesophageal Fistulae

Shaun Thompson, Omaha, NE; Steven Lisco, MD; Jennifer Ahlers, MD; University of Nebraska Medical Center

Refractory Hypoxemia and Failure of Venovenous Extracorporeal Membrane Oxygenation Following Minimally-Invasive Esophagectomy

Paul Anderson, Pittsburgh, PA, USA; Manoj Iyer, MD; University of Pittsburgh Medical Center

Considerations for Pulmonary Torsion

Benjamin Abrams, Denver, CO; Marshall Bell, MD; Tamas Seres, MD, Aurora, CO; Robert Meguid, MD MPH; Karsten Bartels, MD, Denver, CO, USA; University of Colorado, Denver

Oral Presentations

1:25-2:10 pm

Evaluation of a Novel Device for Ventilation With an Open Trachea

Paul Heerdt, MD PhD, New York, NY; Harrison Peprah-Mensah, BA; David Berlin, MD; Weill Cornell Medical College

Perioperative Ischemic Optic Neuropathy Following Extrapleural Pneumonectomy: An Analysis of Contributing Factors

Ju-Mei Ng, MD; Philip Hartigan, MD

National Trends in Performance and Complications of Rib Resections for Thoracic Outlet Syndrome

Sunberri Murphy, DO, Baltimore, MD; Bryan Maxwell, MD; Johns Hopkins Hospital

Venovenous Extracorporeal Membrane Oxygenation to Support Intraoperative Management of Single-Lung Transplant

Travis Schisler, North Vancouver, BC, Canada; John Yee; Gord Finlayson; Staff Anesthesiologist; Thoracic Surgeon

Difficult Cases

4:30-5:30 pm

Peri-Induction Transthoracic Echocardiography to Guide Anesthetic Management in a Patient With a Posterior Mediastinal Mass

Travis Schisler, North Vancouver, BC, Canada; John Yee; Gord Finlayson; Staff Anesthesiologist; Thoracic Surgeon

Lung Isolation for Hyperbaric Oxygen Therapy in a Patient With Cerebral Air Emboli and a Bronchogenic Cyst

Travis Schisler, North Vancouver, BC, Canada; Gord Finlayson; Staff Anesthesiologist

Bronchial Blocker Placement Using a Seldinger Guide Wire Technique to Allow Difficult Lobar Isolation

Andrew Deacon, Ottawa, ON, Canada; Katherine Marseu, MD, Toronto, ON, Canada; Jacobo Moreno Garijo, MD, Toronto, ON, Canada; Shaf Keshavjee, MD; Karen McRae; Peter Slinger, MD, Toronto, ON, Canada; Toronto General Hospital

The Perioperative Management of Left Endobronchial Carcinoid Tumor in a 9-Year-Old Female

Erin Gottlieb, MD, Houston, TX, USA; Emmett Dean McKenzie, MD, Houston, TX, United States; Baylor College of Medicine

Platypnea-Orthodeoxia Syndrome Following Extrapleural Pneumonectomy: The Role of Transesophageal Echocardiography in Facilitating the Diagnosis

Adriaan Van Rensburg, MD; Lorraine Chow, MD FRCPC; Marc de Perrot

Modified Jet Ventilation Via Soft-Tipped Exchange Catheter Following Resection of Distal Tip of a Left Double Lumen Endotracheal Tube (DLT) During Unplanned Pneumonectomy

Cory Maxwell; Scott Shofer, MD PhD, Durham, NC; Ian Welsby, MBBS FRCA, Durham, NC; Duke

One-Lung Ventilation for Anterior Mediastinal Mass Requiring Superior Vena Cava Reconstruction and Bypass

Chiranjeev Saha, MD MS, Oak Park, IL; Zack Zimmerman, MD, Chicago, IL; Rush University Medical Center; RUMC

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1. Covidien, INVOS™ Cerebral/Somatic Oximetry Clinical Evidence Bibliography—Cardiac Surgery, 13-PM-0290_STL, 2013.

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