



# SCA 39th

Annual Meeting  
& Workshops

#SCA2017

**APRIL 22-26, 2017**

Loews Royal Pacific Resort  
Orlando, FL

**6th Annual Thoracic  
Anesthesia Symposium** (page 6)

April 21, 2017

# Orlando

Nicknamed “The City Beautiful” and known as the “Theme Park Capital of the World,” Orlando, FL, is one of the premier destinations for conferences and conventions in the United States. Complement your attendance at the Society of Cardiovascular Anesthesiologists (SCA) 39th Annual Meeting & Workshops with a variety of unique and unforgettable experiences. Offering eclectic dining, a variety of arts and cultural activities, spectacular golf courses, and world-renowned recreational and amusement attractions including Walt Disney World and Universal Studios, Orlando has something for everyone.

## Hotel and Venue Information

Registration, exhibits, educational sessions, and all other conference events will take place at the Loews Royal Pacific Resort in Orlando. The Loews is the headquarters for the meeting.

### Loews Royal Pacific Resort

6300 Hollywood Way  
Orlando, FL 32819  
407.503.3000  
[www.loewshotels.com/royal-pacific-resort](http://www.loewshotels.com/royal-pacific-resort)

SCA has secured a limited number of hotel rooms at a special discounted rate. To obtain the special rate, be sure to make your reservations early and indicate that you are attending the SCA conference. After **March 20, 2017**, or when SCA’s room block has been filled, availability will be limited and higher rates may apply.

Rate: \$219 per single/double room  
Cutoff date: **March 20, 2017**

Check-in: 4 pm  
Check-out: 11 am

## General Information

### CME Accreditation

SCA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education (CME) for physicians. Physicians should only claim credit commensurate with the extent of their participation in the activity. Successful completion requires that participants register for the meeting, attend, participate, and complete an online evaluation. Participants will receive their CME certificates immediately after they submit their evaluations online.

## Keynote Speaker

*Michael J. Mack, MD*



Michael Mack, MD, has practiced cardiothoracic surgery in Dallas, TX, since 1982. He is board certified in internal medicine, general surgery, and thoracic surgery and is currently the Director of Cardiovascular Surgery for Baylor Scott & White Health, Chair of the Baylor Scott &

White Health Cardiovascular Governance Council, and Director of Cardiovascular Research at the Heart Hospital Baylor Plano. He also cofounded and is Chair of the Board of the Cardiopulmonary Research Science and Technology Institute. He has more than 500 peer-reviewed medical publications.

Dr. Mack was President of the Society of Thoracic Surgeons (STS) in 2011 and is Past President of the Thoracic Surgery Foundation for Research and Education (2009–2011), the Southern Thoracic Surgical Association (2009), and the International Society for Minimally Invasive Cardiothoracic Surgery (2000).

He has served on the Board of Directors of the STS and is currently on the Board of Directors of the Cardiothoracic Surgery Network (CTSNet), and is a member of the American College of Cardiology Foundation (ACCF) Board of Trustees, the ACC Interventional Scientific Council, the ACC National Cardiac Data Registry (NCDR) Management Board, and the ACC Governance Task Force. Dr. Mack currently serves on the American Board of Thoracic Surgery.

He is an honorary Fellow of the German Society for Thoracic and Cardiovascular Surgery and the Indian Association of Cardiovascular-Thoracic Surgeons. He was the first Chair of the STS/ACC National Transcatheter Valve Therapy (TVT) Registry Steering Committee, is the liaison to the TVT Registry from the ACC NCDR Management Board, and is on the Steering Committee of the CTSNet of the National Institutes of Health. He is a member of the Food and Drug Administration’s Medical Device Epidemiology Network Initiative (MDEpiNet) Advisory Committee and Research and Publications Committee, as well as the Brookings Institute National Medical Device Postmarket Surveillance System Planning Board.

## Disclosure Policy

It is the policy of SCA that the planners, faculty, and reviewers disclose the existence of any relevant financial relationships in any amount that they or their spouse/partner has with the manufacturer(s) of any commercial product(s) or services relating to the topics presented in the educational activity. SCA also requires disclosure of the intent to discuss unlabeled uses of a commercial product or investigational use of a product not yet approved for this purpose. It is the responsibility of the CME Committee to review relevant financial disclosures as submitted in the disclosure form and resolve relevant conflicts of interest. Resolving the conflict ensures that the content of the activity is aligned with the interests of the public. Disclosure information will be made available to attendees, who will be informed when a relevant financial relationship exists. The other planners, directors, moderators, faculty, and reviewers have no relevant financial interest to disclose.

## Target Audience

Cardiothoracic and vascular anesthesiologists, critical care physicians, general anesthesiologists, nurses, perfusionists, other allied health personnel, epidemiologists/researchers, and those involved in the care of cardiovascular and thoracic surgery patients will benefit from attending this meeting.

## 39th Annual Meeting & Workshops Scientific Program Committee

Amanda A. Fox, MD MPH  
*Scientific Program Committee Chair*

Michael P. Eaton, MD  
*Scientific Program Committee Vice-Chair*

Sasha K. Shillcutt, MD MS FASE  
*Coordinator, Workshops and PBLDs*

William (Skip) C. Culp Jr., MD FASE  
*Director, Fellow and Resident Program*

Jacques (Prince) Neelankavil, MD  
*Director, Fellow and Resident Program*

James (Jake) H. Abernathy, MD MPH  
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Stanton K. Shernan, MD FAHA FASE

Nelson L. Thaevert, MD

Christopher A. Troianos, MD FASE

Andrew S. Weisinger, MD FASE



**JOIN THE CONVERSATION: #SCA2017**

**Like us on Facebook and follow us on  
Twitter @scahq.**

**For detailed information on the meeting, visit  
[www.scahq.org/2017AnnualMeeting](http://www.scahq.org/2017AnnualMeeting). Registration opens January 2017!**

# SCA 39th Annual Meeting & Workshops

The SCA 39th Annual Meeting & Workshops is a unique educational activity that provides anesthesiologists and other perioperative physicians and providers from around the world an opportunity to come together and discuss key issues involved in delivering care to patients undergoing cardiovascular and thoracic surgeries.

## Highlights

- Educational tracks featuring hands-on workshops and symposia including pro-con debates
- Moderated scientific abstract and complex case poster sessions
- Small-group problem-based learning discussions (PBLDs) that allow detailed case discussions with experts in the field
- Targeted fellow and resident programming that features career and mentoring advice, complex case discussions, and a fellow-focused transesophageal echocardiography (TEE) review
- Exhibit hall showcasing the latest technology, products, and services specifically designed for the practice of cardiovascular and thoracic anesthesiology

## Plenary Sessions

Daily plenary sessions feature leaders in cardiovascular and thoracic anesthesiology who will discuss new research and innovations in the field.

### SATURDAY, APRIL 22

2017 Updates in Cardiac Anesthesiology: Refresher Course Lectures

- Adult Congenital Heart
- Innovations in Hemodynamic Monitoring
- Ethics of Decision Making in Cardiac Surgery
- Stroke After Cardiac Surgery

### SUNDAY, APRIL 23

SCA/STS Session: The Aortic Valve: New Concepts in Diagnostic Imaging, Interventional, and Surgical Approaches

### MONDAY, APRIL 24

Transfusion Management in Cardiac Surgery

### TUESDAY, APRIL 25

Global Engagement in Cardiac Surgery



## Problem-Based Learning Discussions

Held every morning of the meeting, PBLDs enable participants to engage in small-group, topic-specific discourse moderated by experts in the fields of cardiothoracic and vascular anesthesiology. Each PBLD is limited to 17 participants and two moderators to allow for interaction, discussion, and exchange of ideas. Separate paid registration is required.

## Workshops

The meeting offers opportunities for participants to put principles to practice with hands-on workshops. Each interactive workshop fosters group interaction and enables participants to practice their skills with technologically advanced equipment. Separate paid registration is required.

### SATURDAY, APRIL 22

- Hands-on TTE
- ECMO and Percutaneous VADs
- Perioperative Ultrasound
- Percutaneous Valves

### SUNDAY, APRIL 23

- EP/Pacemaker
- Advanced TEE

### WEDNESDAY, APRIL 26

- 3D TEE

## Back to Our Future Gala Event

### SUNDAY, APRIL 23

Join your SCA and SCA Foundation (SCAF) colleagues as we celebrate 9 years of partnership in raising funds for the mission of the Society. Hear from past research grantees and Kaplan Leadership Scholarship winners to understand just how critical your support has been in establishing their careers. Tickets will be available during registration. As always, we invite fellowship programs to purchase a table and bring their fellows so they can see the SCA and SCAF mission in action. Seating is limited, so purchase early!



*The Society of Cardiovascular Anesthesiologists (SCA) Foundation was established in 2007 with a mission to raise funds to support the SCA mission of excellence in the care of cardiovascular patients. Chief accomplishments have been the establishment of the Roizen Anesthesia Research Foundation New Investigator Grant and the initiation of the Kaplan Leadership Development Scholarships. Proceeds from the gala will benefit these two programs.*

## Abstracts

Chosen from extensive submissions, more than 400 posters and 20 oral abstract presentations representing the best innovations and research in cardiovascular anesthesiology will be featured.

Abstract categories include

- Scientific Program
  - Coagulation
  - Echocardiography—3D and Other
  - Quality Improvement
  - Structural Heart Disease
  - And more!
- Fellow and Resident Complex Cases
- Super Echo
- Thoracic Anesthesia

Selected submissions with the highest review scores will be presented orally during two Best of Meeting Research Presentation sessions. The top four Complex Cases submitted to the fellow and resident program will be presented orally at a special session.

## Fellow and Resident Program

This special program for residents, fellows, and early-career faculty features career development advice, complex case discussions, a PBLD with clinical experts, and a review of high-yield TEE topics.

## Fellow and Resident Mentor Program

Fellows and residents also are invited to attend the individual mentor reception on Saturday, April 22, to connect one-on-one with mentors in the field. Fellows and residents should indicate their interest in the mentor reception when submitting a complex case presentation and must submit a curriculum vitae (CV) and letter of interest.

## Exhibits

Exhibitors will showcase technology, products, and services designed for leaders in the field of cardiovascular anesthesiology. Visit the exhibit hall to find out how these companies can help you manage your professional goals and strategic objectives, keeping you and your organization at the forefront.

## Concurrent Sessions

### SATURDAY, APRIL 22

Endovascular Aortic Surgery

Managing Right Heart Failure

Evolutions in Mechanical Circulatory Support

Heart Team Approach: Ischemic Mitral Valve Regurgitation

Considerations of Aortic Root, Ascending, and Arch Surgery

Prevention and Treatment of Perioperative Atrial Fibrillation

### SUNDAY, APRIL 23

Big Data and Quality

Transplantation: No Risk, No Reward! But When Are the Stakes Too High?

Society of Critical Care Anesthesiologists (SOCCA) Session

Healthcare Finances

Coagulation Management in Cardiovascular Surgery

SCA Research Session 2017—Chips, SNPs, and Heat Maps: Demystifying Perioperative Genomics

Electrophysiology Lab: Interventions for Cardiac Arrhythmias

Super Echo Panel

Best of Meeting Research Presentations, Session 1



### MONDAY, APRIL 24

Anesthesia & Analgesia: State of the Art

EACTA: Outcomes: What Happens After Discharge?

Cardiac Protection: From Caves, to the Arctic, to the OR

Real-Life Challenges for Maintaining a Safe Cardiac Operating Room

Percutaneous Valve Care: The Role of Cardiac Anesthesia

Best of Meeting Research Presentations, Session 2

### TUESDAY, APRIL 25

Left Heart Failure

Preoperative Echo Assessment of the Noncardiac Surgical Patient

Best Practices for Cardiopulmonary Bypass Management

New Ventilation Strategies During Cardiopulmonary Bypass

Controversies in Cardiac Surgery—Associated Acute Kidney Injury

Hot Topics in Thoracic Anesthesiology

CCAS/SCA Session: Update on Pediatric Cardiac Anesthesia

Perioperative Care of the Morbidly Obese Cardiac Surgical Patient

ANESTHESIA &  
ANALGESIA



European Association of  
Cardiothoracic Anesthesiologists



# COME TO ORLANDO A DAY EARLY TO PARTICIPATE IN THE

## 6th Annual Thoracic Anesthesia Symposium

The Thoracic Anesthesia Symposium (TAS) is a unique educational activity entirely focused on thoracic anesthesia for academic and private practitioners. Separate registration is required.

### Highlights

- Update on esophageal surgery: techniques, anesthetic, and pain management
- Concepts for building an anesthesia-led ECMO program for lung rescue
- Pro-con debate
- Best posters and difficult cases
- New PBLDs addressing hot topics in thoracic anesthesiology
- Thoracic controversies discussed with the experts in a town-hall meeting
- Thoracic *Jeopardy!* with Dr. Peter Slinger
- Industry exhibitors with the newest airway and ventilation tools

### Problem-Based Learning Discussions

An additional \$45 will be charged for an optional breakfast PBLD session on April 22, selected from various thoracic-focused topics.

### Program Committee

E. Andrew Ochroch,  
MD MSCE  
*Course Co-Director*

Wanda M. Popescu, MD  
*Course Co-Director*

Ferenc Puskas, MD PhD  
*Course Co-Director*

Randal S. Blank, MD PhD

Javier H. Campos, MD

Philip M. Hartigan, MD

Paul M. Heerdt, MD PhD  
FCCP

Jagtar Singh Heir, DO

Jens Lohser, MD MSc FRCPC

Alessia Pedoto, MD

Albert C. Perrino Jr., MD

Peter Slinger, MD FRCPC

Christopher A. Troianos, MD  
FASE

### Target Audience

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

For more information, please visit  
[www.scahq.org/2017AnnualMeeting](http://www.scahq.org/2017AnnualMeeting).  
Registration opens January 2017.



# 6TH THORACIC ANESTHESIA SYMPOSIUM ON APRIL 21, 2017.

## Thoracic Anesthesia Symposium Schedule

### APRIL 21

7–7:50 am	Continental Breakfast and Poster Setup
7:50–8 am	Opening Remarks
8–9 am	Panel 1: Advances in Esophageal Surgery <ol style="list-style-type: none"><li>1. New Surgical Modalities: What Do They Mean to Us?</li><li>2. Perioperative Approach and Tailoring Our Anesthetic</li><li>3. Traditional Versus Alternate Analgesic Therapies</li></ol>
9–10 am	Session 1: What's New in Thoracic Anesthesiology? <ol style="list-style-type: none"><li>1. How to Build an Anesthesia-Led ECMO Program for Lung Rescue?</li><li>2. Transplant Update</li><li>3. Anesthesia for Endoluminal Procedures</li></ol>
10–10:15 am	Coffee Break
10:15–11 am	Workshop Choice 1
11:05–11:50 am	Workshop Choice 2
11:50–12:45 pm	Lunch
12:45–1:15 pm	Top Abstracts and Difficult Cases
1:20–2:10 pm	Poster Session
2:15–3:15 pm	Panel 2: Evidence-Based Strategies on Lung Protective Ventilation <ol style="list-style-type: none"><li>1. Preventive Ventilation: Myth or Reality?</li><li>2. Does Low Tidal Volume Make All the Difference?</li><li>3. Pathophysiology of Lung Injury—What the Thoracic Anesthesiologist Needs to Know</li></ol>
3:15–4:15 pm	Session 2: Experts and Controversies <ol style="list-style-type: none"><li>1. Pro-Con Debate: Is 100% Oxygen During OLV Really Necessary?</li><li>2. Pro-Con Debate: Volatile Versus Intravenous Anesthesia During Thoracic Surgery</li><li>3. Town-Hall Discussion with Faculty</li></ol>
4:15–4:30 pm	Coffee Break
4:30–5:15 pm	Workshop Choice 3
5:20–6:05 pm	Workshop Choice 4
6:10–6:55 pm	Thoracic <i>Jeopardy!</i>
6:55–7:30 pm	Reception



#### Registration includes four workshops on the following topics:

- Airway Surgery
- Lung Isolation
- Lung Ultrasound
- Paravertebral Blocks

### APRIL 22

6:45–8 am Optional thoracic-focused PBLD—Purchase your \$45 ticket for this optional event.



8735 W. Higgins Road, Suite 300  
Chicago IL 60631-2738  
[www.scahq.org](http://www.scahq.org)

Register before **March 20, 2017**  
to receive a special discounted rate.

For the most up-to-date information on the 39th Annual Meeting &  
Workshops, TAS, and registration for each event, visit  
[www.scahq.org/2017AnnualMeeting](http://www.scahq.org/2017AnnualMeeting).

