



SOCIETY OF
CARDIOVASCULAR
ANESTHESIOLOGISTS
Knowledge • Care • Investigation

SCA 6th Annual Thoracic Anesthesia Symposium

#SCA2017

PROGRAM BOOK

APRIL 21, 2017

Loews Royal Pacific Resort
Orlando, FL

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General Information

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

Attendees are urged to review general continuing medical education (CME) information for the meeting, including disclosures of relevant financial relationships for all persons who have affected the content of CME, by visiting www.scahq.org/2017annualmeeting.

The registration fee includes breakfast, lunch, coffee breaks, and four workshops. All sessions and panels also are included. Please visit the registration desk if you have questions about your workshop assignments. An optional thoracic-focused Problem-Based Learning Discussion (PBLD) will be held on Saturday, April 22. Separate paid registration is required for the TAS and the thoracic-focused PBLD.

CME Accreditation

The Society of Cardiovascular Anesthesiologists (SCA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME for physicians.

Designation

SCA designates this live activity for a maximum of 9.5 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclaimer

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

Claim Your CME

To claim CME credit, visit www.scahq.org/2017annualmeeting to complete your TAS evaluations. You must complete the evaluations to claim your CME credit.

Networking Reception with Exhibitors

All attendees are welcome to join our exhibitors and sponsors in the exhibit hall from 6:55 to 7:30 pm on Friday, April 21. Light refreshments will be available, and attendees will have the opportunity to network with colleagues and industry partners.

Annual Meeting On Demand

SCA Annual Meeting On Demand is an online library with more than 60 hours of educational content from the meeting, including the TAS! Revisit sessions you attended and participate in those you missed anytime, anywhere. Plus, earn additional CME credits. Visit the SCA Annual Meeting On Demand sales booth located outside the general session room to purchase your copy at special attendee discounts only available during the meeting.

Registration

The registration desk will be located outside the Pacifica Ballroom during the following hours:

Thursday, April 20: 4–7 pm

Friday, April 21: 6:15 am–7:30 pm

Photography

Please be advised that throughout the meeting, photos may be taken for use in SCA marketing materials, including the e-newsletter and SCA Facebook and Twitter pages. If you do not consent to being photographed, please advise the SCA staff in writing at info@scahq.org.

Syllabus and Learning Objectives

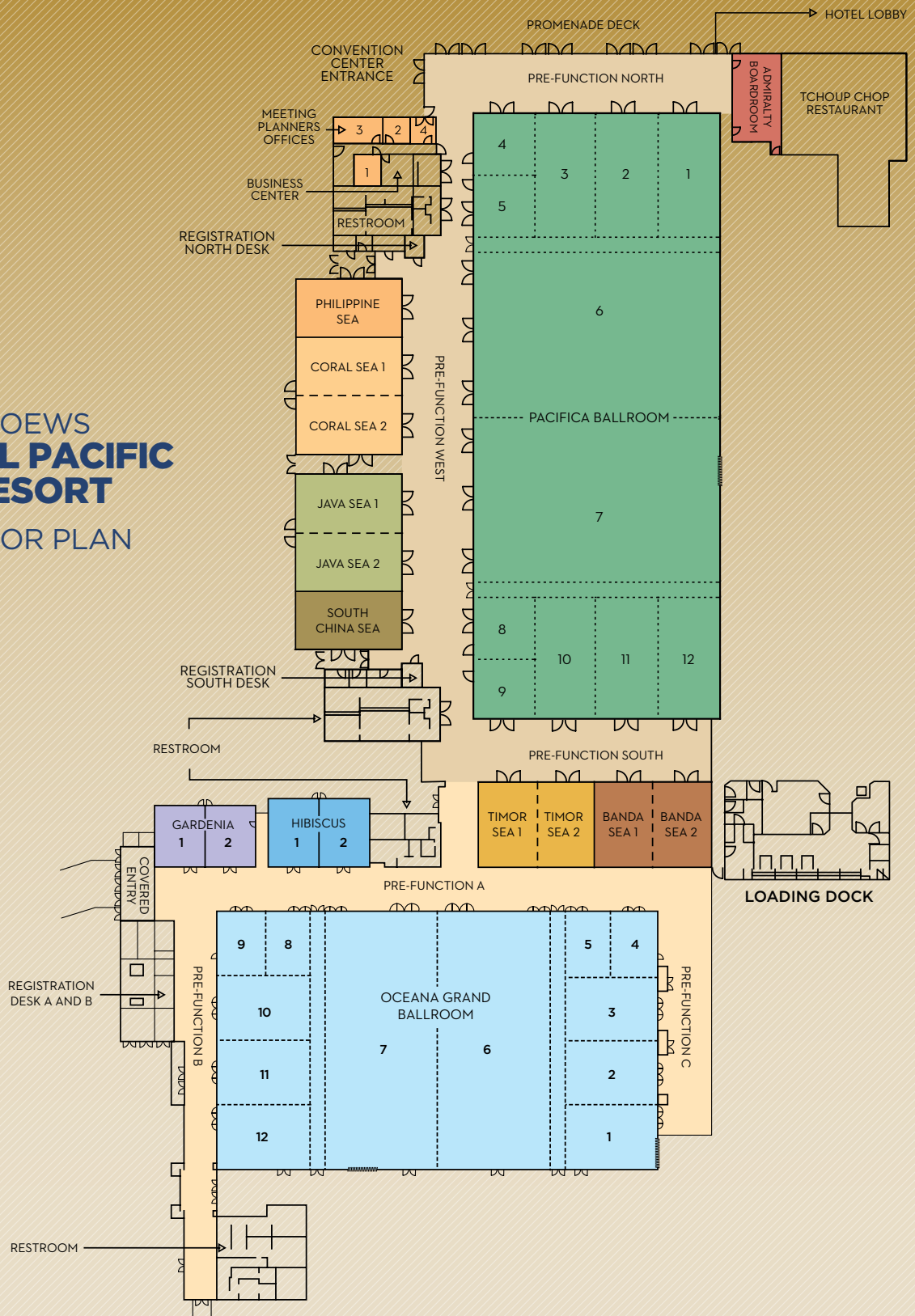
Session syllabi and learning objectives are provided to attendees through electronic media only. Learning objectives will be available at www.scahq.org/2017annualmeeting. Any syllabi or handouts provided by speakers will be available via the meeting mobile app.

YOUR MOBILE MEETING

Use your mobile device to access information about the TAS! **Download the 2017 meeting mobile app** to create a personalized meeting experience at your fingertips. **Search SCA 2017** in your app store or visit www.tripbuildermedia.com/apps/sca to download the app today!

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Faculty

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Diana Anca, MD

Assistant Professor of Anesthesiology
St. Luke's – Mount Sinai
New York, NY

Randal S. Blank, MD PhD

Associate Professor of Anesthesiology
University of Virginia
Charlottesville, VA

Brandi A. Bottiger, MD

Assistant Professor of Anesthesiology
Duke University
Durham, NC

Jean S. Bussieres, MD

Full Clinical Professor
IUCPQ
Quebec City, QC, Canada

Javier H. Campos, MD

Professor and Director of Cardiothoracic
Anesthesiology
University of Iowa
Iowa City, IA

Stephen R. Collins, MD

Associate Professor, Anesthesiology
University of Virginia Health System
Charlottesville, VA

Gyorgy Frendl, MD PhD

Associate Professor, Director of Critical Care
Translational Research
Brigham and Women's Hospital/Harvard Medical
School
Boston, MA

Richard E. Galgon, MD MS

Assistant Professor
University of Wisconsin School of Medicine and
Public Health
Madison, WI

Jacob T. Gutsche, MD

Assistant Professor, Anesthesiology and Critical Care
Perelman School of Medicine, University of
Pennsylvania
Philadelphia, PA

Philip M. Hartigan, MD

Assistant Professor of Anesthesia, Director of
Thoracic Anesthesia Service
Brigham and Women's Hospital
Boston, MA

Timothy A. Jackson, MD

Associate Professor of Anesthesiology and
Perioperative Medicine
University of Texas MD Anderson Cancer Center
Houston, TX

George W. Kanellakos, MD FRCPC

Assistant Professor of Anesthesia
Dalhousie University
Halifax, NS, Canada

Rebecca Y. Klinger, MD MS

Assistant Professor, Anesthesiology
Duke University Medical Center
Durham, NC

Marc J. Licker, MD

Professor of Anesthesiology
University Hospital Geneva
Geneva, Switzerland

Jens Lohser, MD MSc FRCPC

Clinical Associate Professor of Anesthesiology
University of British Columbia
Vancouver, BC, Canada

Massimiliano Meineri, MD

Associate Professor of Anesthesia
University of Toronto
Toronto, ON, Canada

Arne Neyrinck, MD PhD

University Hospitals Leuven
Leuven, Belgium

Ju-Mei Ng, MD

Assistant Professor in Anesthesia
Brigham and Women's Hospital
Boston, MA

E. Andrew Ochroch, MD

Professor of Anesthesiology, Critical Care and
Surgery
University of Pennsylvania School of Medicine
Philadelphia, PA

Gian Paparcuri, MD

Anesthesiologist
Salem Hospital
Salem, OR

Alessia Pedoto, MD

Associate Attending Anesthesiologist
Memorial Sloan Kettering Cancer Center
New York, NY

Albert C. Perrino Jr., MD

Professor of Anesthesiology
Yale University
North Haven, CT

Wanda M. Popescu, MD

Associate Professor of Anesthesiology
Yale University School of Medicine
New Haven, CT

Ron V. Purugganan, MD

Professor of Anesthesiology and Perioperative
Medicine
University of Texas MD Anderson Cancer Center
Houston, TX

Ferenc Puskas, MD PhD

Associate Professor of Anesthesiology
University of Colorado Denver Hospital
Aurora, CO

Srinivasan Rajagopal, MD

Assistant Professor
University of Iowa
Iowa City, IA

Alan F. Ross, MD

Associate Professor
University of Iowa College of Medicine
Iowa City, IA

Nicholas Sadovnikoff, MD FCCM

Director, Critical Care Anesthesia
Brigham and Women's Hospital
Boston, MA

Joshua J. Sebranek, MD

Associate Professor, Anesthesiology
University of Wisconsin School of Medicine and
Public Health
Madison, WI

Jagtar Singh Heir, DO

Assistant Professor of Anesthesiology and
Perioperative Medicine
University of Texas MD Anderson Cancer Center
Houston, TX

Peter D. Slinger, MD FRCPC

Professor, Anesthesia
University of Toronto
Toronto, ON, Canada

Andrew C. Steel, FRCA FRCPC MBBS MRCP FFICM

Assistant Professor
University of Toronto
Toronto, ON, Canada

Sudhakar Subramani, MD MMED

Clinical Assistant Professor
University of Iowa Hospitals and Clinics
Iowa City, IA

Kenichi Ueda, MD

Clinical Associate Professor, Department of
Anesthesia
University of Iowa Hospitals and Clinics
Iowa City, IA

Igor Zhukov, MD

Assistant Professor, Division of Cardiothoracic
Anesthesiology
Emory University
Atlanta, GA

Schedule

Co-Directors: *Ochroch, Popescu, Puskas*

Friday, April 21

6:15 am–7:30 pm	REGISTRATION OPEN	
7–7:50 am	CONTINENTAL BREAKFAST WITH EXHIBITORS	Pacifica 8–10
7–7:50 am	POSTER SETUP	Pacifica 8–10
7:50–8 am	OPENING REMARKS/MEETING ORIENTATION	Pacifica 11–12
8–9 am	PANEL 1: ADVANCES IN ESOPHAGEAL SURGERY <i>Moderator: Singh</i> 8–8:15 am New Surgical Modalities: What Do They Mean to Us?— <i>Neyrinck</i> 8:15–8:30 am Perioperative Approach and Tailoring Our Anesthetic— <i>Singh</i> 8:30–8:45 am Traditional Versus Alternative Analgesic Therapies— <i>Ochroch</i> 8:45–9 am Audience Q&A	Pacifica 11–12
9–10 am	SESSION 1: WHAT'S NEW IN THORACIC ANESTHESIOLOGY? <i>Moderator: Pedoto</i> 9–9:20 am How to Build an Anesthesia-Led ECMO Program for Lung Rescue— <i>Gutsche</i> 9:20–9:40 am Transplant Update— <i>Hartigan</i> 9:40–10 am Anesthesia for Endoluminal Procedures— <i>Pedoto</i>	Pacifica 11–12
10–10:15 am	COFFEE BREAK WITH EXHIBITORS	Pacifica 8–10
10:15–11 am	WORKSHOP BREAKOUT*	
11:05–11:50 am	WORKSHOP BREAKOUT*	
11:50 am–12:45 pm	LUNCH WITH EXHIBITORS	Pacifica 8–10
12:45–1:15 pm	TOP ABSTRACTS AND DIFFICULT CASES <i>Moderator: Pedoto</i> <i>See page 8 for full oral abstract list.</i>	Pacifica 11–12
1:20–2:10 pm	POSTER SESSION <i>See pages 8–11 for full poster abstract list.</i>	Pacifica 8–10
2:15–3:15 pm	PANEL 2: EVIDENCE-BASED STRATEGIES ON LUNG-PROTECTIVE VENTILATION <i>Moderator: Blank</i> 2:15–2:30 pm Preventive Ventilation: Myth or Reality?— <i>Licker</i> 2:30–2:45 pm Does Low Tidal Volume Make All the Difference?— <i>Blank</i> 2:45–3 pm Pathophysiology of Lung Injury: What the Thoracic Anesthesiologist Needs to Know— <i>Lohse</i> 3–3:15 pm Audience Q&A	Pacifica 11–12
3:15–4:15 pm	SESSION 2: EXPERTS AND CONTROVERSIES <i>Moderator: Popescu</i> 3:15–3:30 pm Pro-Con Debate: Is 100% Oxygen During OLV Really Necessary? Pro: <i>Perrino</i> Con: <i>Puskas</i> 3:30–3:45 pm Pro-Con Debate: Volatile Versus Intravenous Anesthesia During Thoracic Surgery Pro: <i>Ochroch</i> Con: <i>Slinger</i> 3:45–4:15 pm Town Hall Discussion with Faculty	Pacifica 11–12
4:15–4:30 pm	COFFEE BREAK WITH EXHIBITORS	Pacifica 8–10
4:30–5:15 pm	WORKSHOP BREAKOUT*	
5:20–6:05 pm	WORKSHOP BREAKOUT*	
6:10–6:55 pm	THORACIC JEOPARDY! <i>Slinger</i>	Pacifica 11–12
6:55–7:30 pm	RECEPTION WITH EXHIBITORS	Pacifica 8–10

*Workshop information: Attendees will receive their workshop assignments prior to the meeting. Please visit the registration desk onsite with any questions about your workshop assignments or e-mail info@scahq.org.

Workshops

Attendees will rotate through all four topics during the day. Visit the registration desk if you have any questions about your workshop assignments.

1. LUNG ULTRASOUND Moderator: <i>Meineri</i> Faculty: <i>Ross, Steel</i>	Banda Sea
2. LUNG ISOLATION IN PATIENTS WITH DIFFICULT AIRWAY Moderator: <i>Ueda</i> Faculty: <i>Bussieres, Purugganan, Rajagopal</i>	Timor Sea
3. PARAVERTEBRAL BLOCKS Moderator: <i>Bottiger</i> Faculty: <i>Kanellakos, Paparcuri</i>	Java Sea
4. ANESTHESIA FOR AIRWAY SURGERY Moderator: <i>Sebranek</i> Faculty: <i>Galgon, Jackson, Subramani</i>	Coral Sea

Problem-Based Learning Discussions

An additional \$45 will be charged for an optional breakfast PBLD session, selected from various thoracic-focused topics, from 6:45 to 8 am on April 22. Please see below for the full list of PBLD topics.

Separate registration required.

Each session is limited to 17 participants and two faculty members to enable small-group interaction, discussion, and exchange of ideas. Breakfast will be available in Pre-Function West.

Saturday, April 22

6:45–8 am

PBLD 1	OPTIMAL PAIN MANAGEMENT FOR VATS	<i>Campos, Pedoto</i>	Banda Sea 1
PBLD 2	THE PATIENT WITH CARDIAC DISEASE UNDERGOING THORACIC SURGERY	<i>Anca, Popescu</i>	Banda Sea 2
PBLD 3	LUNG TRANSPLANTATION: MANAGEMENT DECISIONS	<i>Klinger, Slinger</i>	Timor Sea 1
PBLD 4	MASSIVE HEMOPTYSIS	<i>Lohser, Zhukov</i>	Timor Sea 2
PBLD 5	THE AFIB PROBLEM WITH THORACIC SURGERY	<i>Frendl, Singh</i>	Java Sea 1
PBLD 6	CARINAL RESECTION: NUTS & BOLTS	<i>Hartigan, Ng</i>	Java Sea 2
PBLD 7	ROBOTIC THYMECTOMY IN A MYASTHENIC	<i>Blank, Collins</i>	Coral Sea 1
PBLD 8	ETHICAL CONUNDRUMS IN THORACIC ANESTHESIA	<i>Ochroch, Sadovnikoff</i>	Coral Sea 2

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Up-to-date information on the meeting can be easily found by following **@scahq** on **Twitter** or liking the **SCA Facebook** page.

Top Abstracts and Difficult Cases

(TAS1) A Novel Multisystem Approach to Induction of General Anesthesia in a Patient With a Large Anterior Mediastinal Mass

Sergey Karamnov, MD¹; Jeffrey Swanson, MD¹; Akil Farishta, MD¹; Philip Hartigan, MD¹; Brigham and Women's Hospital¹

(TAS2) Incidence and Risk Factors for Acute Kidney Injury in Thoracic Surgery: It's a Big Problem

Maricarmen Roche Rodriguez, MD¹; Kristin Richards, MD²; Daniel Boffa¹; Albert Perrino, MD¹; Feng Dai, PhD¹; Wanda Popescu, MD¹; Yale University/Yale New Haven Hospital¹; University of Southern California/Children's Hospital LA²

(TAS3) Desaturation in the 6-Minute Walk Test Predicts Hypoxemia During One-Lung Ventilation

Motoki Namekawa, MD¹; Motoko Kimura, MD¹; Kosaku Toyota, MD¹; Kurashiki Central Hospital¹

Poster Session Abstracts

(TAS4) Impact of Intraoperative Fluid and Vasopressor Use on the Incidence of Anastomotic Leak After Esophagectomy

Alexandra Lewis, MD MSc¹; Kevin Walsh, MD²; David Amar, MD¹; Kay See Tan, PhD¹; Alessia Pedoto, MD¹; Hao Zhang, MD¹; Dawn Desiderio; David Jones, MD¹; Memorial Sloan Kettering Cancer Center¹; Weill Cornell Medical College²

(TAS5) Effects of Intercostal Liposomal Bupivacaine on Postoperative Opioid Consumption After Minimally Invasive Thoracic Surgery

Alessia Pedoto, MD¹; Emilia Rakhmimova¹; Alexandra Lewis, MD MSc¹; Dawn Desiderio; Bernard Park; David Amar, MD¹; Memorial Sloan Kettering Cancer Center¹

(TAS6) Distal Airway Obstruction by Esophageal Stent

Brian Kelly, DO¹; Greg Frendl; Philip Hartigan, MD¹; Brigham and Women's Hospital¹

(TAS7)

Withdrawn

(TAS8) Continuous Amiodarone Infusion for Prevention of Atrial Fibrillation After Thoracic Surgery

Jeny Ng, MD¹; David Amar, MD¹; Hao Zhang, MD¹; Memorial Sloan Kettering Cancer Center¹

(TAS9) Complex Evaluation and Management of a Bronchopleural Fistula in the Setting of Spinal Hardware Erosion

Allyson Lemay, MD¹; Sergey Karamnov, MD¹; Ross Hanson, MD¹; Philip Hartigan, MD¹; Brigham and Women's Hospital¹

(TAS10) Pilot Study: Estimation of Stroke Volume and Cardiac Output From Pulse Wave Velocity

Viachaslau Barodka, MD¹; Yurie Obata, MD¹; Maki Mizogami, MD²; Jochen Steppan, MD DESA³; The Johns Hopkins University School of Medicine¹; University of Fukui Hospital²; Johns Hopkins University³

(TAS11) Lung Isolation With an Arndt Wire-Guided Endobronchial Blocker Through ProSeal™ Laryngeal Mask Airway for Video-Assisted Thoracoscopic Surgery in a Patient With a Right Upper-Lobe Tumor and Concurrent Tracheal Polyp

Vivekanand Kulkarni, MD PhD FRCA¹; Christopher Clave, MD²; Stanford University School of Medicine¹; Santa Barbara Cottage Hospital²

(TAS12) Lobectomy in a Patient With High Perioperative Cardiac and Pulmonary Risk

Kelly Kohorst, MD¹; Yafen Liang, MD¹; Vanderbilt University Medical Center¹

(TAS13) Thoracotomy With a Paravertebral Nerve Block Provides Postoperative Analgesia That Compares Favorably to That of Minimally Invasive Thoracoscopic Procedures

Rachel NeMoyer, MD¹; John Langenfeld, MD²; Anthony Chiricolo, MD³; Jessica Crystal, MD³; Scott Mellender; Joseph Aisner; Etta Anton, BSN RNFA CNOR⁴; Robert Jongco; Rutgers Robert Wood Johnson University Hospital¹; Rutgers Cancer Institute of New Jersey²; Rutgers Robert Wood Johnson Medical School³; Robert Wood Johnson University Hospital⁴

(TAS14) Pulmonary Carcinoid Tumor With Intracardiac Invasion Identified by Perioperative Transesophageal Echocardiography

David Brennenman, MD MBA¹; Albert Robinson, MD²; University of Florida¹; The University of Florida, College of Medicine²

(TAS15) Tracheal Mass Resection and Utilization of Veno-Venous Extracorporeal Membrane Oxygenator (VV ECMO): A Case Series

Katayoun Aghajani, MD¹; Martin Sigurdsson, MD PhD¹; Desiree Bonadonna, MPS CCP FPP¹; Rebecca Klinger, MD MS²; John Haney, MD³; Jorn Karhausen, MD³; Duke University Hospital¹; Duke University Medical Center²; Duke University³

(TAS16) Creative Airway Management Strategy for Persistent Bronchopleural Fistula

Beth Webber, DO¹; Yiliam Rodriguez Blanco, MD²; University of Miami/Jackson Memorial Hospital¹; University of Miami – Anesthesiology Department²

(TAS17) Severe Stridor Due to Obstructive Fibrinous Tracheal Pseudomembrane Following Rigid Bronchoscopy—Management Strategies

Lori Russo, MD¹; Gyorgy Frendl, MD PhD²; Brigham and Women's Hospital¹; Brigham and Women's Hospital/Harvard Medical School²

(TAS18) Cardiac Herniation After Right-Sided Robotic-Assisted Thymectomy

Stephen Acosta, MD¹; Lavinia Kolarczyk, MD²; University of North Carolina Hospital¹; University of North Carolina²

(TAS19) The Role of Extracorporeal Membrane Oxygenation in Complicated Airway Management

Scott Grubb, MD¹; Lundy Campbell, MD¹; University of California, San Francisco¹

(TAS20) Lobectomy After Prior Contralateral Lobectomy: A Case Series

Rachel Jooste, MBChB FCAI¹; Niall Fanning, FCARCSI¹; Joseph Keaveny, MB BCh BAO FCAI¹; St James's Hospital, Dublin¹

(TAS21) Analgesic Techniques for a Thoracic Enhanced Recovery Pathway: Intercostal Blocks Provide Equivocal Analgesia and Shorter Length of Stay Compared to Thoracic Epidurals

Christo Frangopoulos, MD¹; Bryan Kidd, MD¹; Lyla Hance, MPH²; Larry Michael, MS MPH²; Jason Long, MD MPH²; Benjamin Haithcock, MD²; Emily Teeter, MD FASE²; Lavinia Kolarczyk, MD²; University of North Carolina Hospitals¹, University of North Carolina at Chapel Hill²

(TAS22) Extracorporeal CO₂ Elimination Using a Pediatric Oxygenator Attached to a Continuous Veno-Venous Hemodialysis System

Arnaldo Vera-Arroyo, MD¹; Ricardo Martinez-Ruiz; Oscar Aljure, MD²; Ali Ghodsizad; Jackson Memorial Hospital¹; Jackson Memorial Hospital – University of Miami²

(TAS23) Lung Herniation Following Mini-Thoracotomy for Mitral Valve Replacement

Meredith Whitacre, MD¹; Edward McGough, MD²; University of Florida¹; University of Florida, College of Medicine²

(TAS24) Pneumonectomy and Pulmonary Endarterectomy for Pulmonary Artery Sarcoma

John Fan, MD¹; Susan Sankova, MD²; Nadia Hensley, MD³; Johns Hopkins Hospital¹; Johns Hopkins²; Johns Hopkins University³

(TAS25) Airway and Hemodynamic Considerations for the Anesthetic Management of an Undiagnosed Intraluminal Tracheal Mass

Joseph Morabito, DO MS¹; Colby Simmons; Karsten Bartels, MD²; Barbara Wilkey, MD²; Giorgio Zanotti; John Mitchell; University of Colorado Hospital¹; University of Colorado²

(TAS26) Preoperative Risk Factor of Prolonged Postoperative Hypoxemia in Octogenarian Patients After Lung Lobectomy

Misuzu Nakanishi, MD¹; Toshio Fukuoka; Kurashiki Central Hospital¹

(TAS27) Case Series: Anesthesia for Lung Ablations: Avoidance of General Anesthesia With Paravertebral Blocks

Katherine Arthur, MD¹; Angela Selzer, MD²; Tiffany Tedore, MD¹; New York Presbyterian Hospital – Weill Cornell¹; Weill Cornell Medical Center²

(TAS28) Mediastinal Mass in the Gravid Female

Jon Holzberger, MD¹; University of Kentucky¹

(TAS29) Thoracoscopic Diaphragmatic Plication Complicated by Hemorrhagic Shock

Brantley Gaitan, MD¹; Tomas Carvajal, MD²; Ricardo Weis, MD³; Mayo Clinic Hospital¹; Mayo Clinic²; Mayo Clinic Arizona³

(TAS30) Lung Isolation in a Patient With Bronchopleural Fistula and Difficult Upper Airway

Qianqian Xu, MD¹; Wanda Popescu, MD²; Jeffrey Schwartz, MD³; Yale New Haven Hospital¹; Yale University School of Medicine²; Yale University³

(TAS31) Airway Management of a Patient With a Large Post-Intubation Tracheal Tear and Massive Subcutaneous Emphysema

Kathleen Knapp, MD¹; Neil Venardos, MD¹; Ferenc Puskas, MD PhD²; Robert Meguid, MD MPH FACS³; University of Colorado¹; University of Colorado Denver Hospital²; University of Colorado School of Medicine³

(TAS32) VATS Resection of an Ectopic Parathyroid Gland Overlying the Main Pulmonary Artery in a 14-Week Pregnant Female

Jan-Pablo Kollmar, MD¹; Amanda Kleiman, MD¹; University of Virginia¹

(TAS33) Airway Management of a Transected Bronchus Intermedius

Leah Gross, MD¹; Tyler Roe, DO¹; Naveen Mehra; University of Texas Health Science Center at San Antonio¹

(TAS34) Combined Mediastinoscopy, Median Sternotomy, and Left Thoracotomy for Carinal Left Pneumonectomy (Sleeve Pneumonectomy) in a Patient With Prior Left Lower Lobe Segmental Resection and Radiation for Metastatic Colon Cancer

Jocelyn Wong, MD¹; Vivekanand Kulkarni, MD PhD FRCA¹; Stanford University School of Medicine¹

(TAS35) Esophageal Perforation and Concurrent Myocardial Infarction: A Complicated and Morbid Combination

Madison Foushee, MD¹; Graham Berry, MD¹; Lavinia Kolarczyk, MD²; University of North Carolina Hospitals¹; University of North Carolina²

(TAS36) Video-Assisted Thoracoscopic Surgery in Nonintubated Spontaneously Breathing Patients—A Single Institution Experience

Andy Truong, MD¹; Shvetank Agarwal, MD²; Manuel Castresana, MD¹; Medical College of Georgia¹; Augusta University²

(TAS37) Anesthetic Management for the Resection of an Exophytic Tracheal Mass

Caroline Walker, MD¹; Wanda Popescu, MD²; William Rosenblatt, MD²; Mathew Pierce; Frank Detterbeck, MD³; Wendell Yarbrough, MD MMHC FACS²; Yale University¹; Yale University School of Medicine²; Yale Thoracic Surgery³

(TAS38) Optimal Timing for Emergent Pneumonectomy

Elliot Kay, MD¹; Benu Makkad, MD²; University of Cincinnati Medical Center¹; University of Cincinnati, Department of Anesthesiology²

(TAS39) Robot-Assisted Thymectomy in a Patient With Myasthenic Crisis

Sanjeev Chhangani, MD MBA¹; UF Jacksonville¹

(TAS40) Risk-Benefit Considerations of Thoracic Epidural Analgesia for Thoracotomy in a Patient With Thrombocytopenia

Jeny Ng, MD¹; David Amar, MD¹; Vivek Malhotra; Memorial Sloan Kettering Cancer Center¹

(TAS41) Acquired Tracheoesophageal Fistula in an Adult Due to Esophageal Malignancy: A Case Report and Review of Perioperative Implications and Management

Shyamal Asher, MD¹; David Silver, MD¹; Brigham and Women's Hospital¹

(TAS42) Diagnosis of Unidentified Pulmonary Thromboembolism During Anesthetic Induction

Ann Youn, MD¹; Chungnam National University Hospital¹

(TAS43) Successful Intraoperative Use of Low-Pressure Continuous Positive Airway Pressure With a Mapleson D Breathing Circuit to Identify an Invisible Bronchopleural Fistula in a Post-Lobectomy Patient

Christopher Lam, MD¹; Kevin Wong, DO¹; Matthew Facktor, MD²; Xiaopeng Zhang, MD¹; Geisinger Medical Center¹; Geisinger Health System²

(TAS44) Anterior Mediastinal Mass Resection: Challenging Dogma and Expanding Our Anesthetic Armamentarium

Stephen Collins, MD¹; Shauna Spanos; University of Virginia Health System¹

(TAS45) A Case of Multilevel Tracheal Stenosis Found During an Elective Asleep Fiber Optic Intubation

Michael Cranney, DO¹; University of Kentucky¹

(TAS46) Klebsiella Pneumoniae Infection of a Thoracic Endovascular Graft

Catherine Dietrich, MD¹; Edward McGough, MD²; University of Florida¹; University of Florida, College of Medicine²

(TAS47) Return of Spontaneous Circulation (ROSC) From Release of Auto-PEEP: A Case Report of Suspected Lazarus Phenomenon

Ann Youn, MD¹; Chungnam National University Hospital¹

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Exhibits Information

Exhibit Schedule

Exhibits Open 7 am–4:30 pm and 6:55–7:30 pm

The following events will take place in the hall on Friday, April 21:

Continental Breakfast with Exhibitors 7–7:50 am

Coffee Breaks with Exhibitors 10–10:15 am and 4:15–4:30 pm

Lunch with Exhibitors 11:50 am–12:45 pm

Reception with Exhibitors 6:55–7:30 pm

Exhibitors by Booth Number

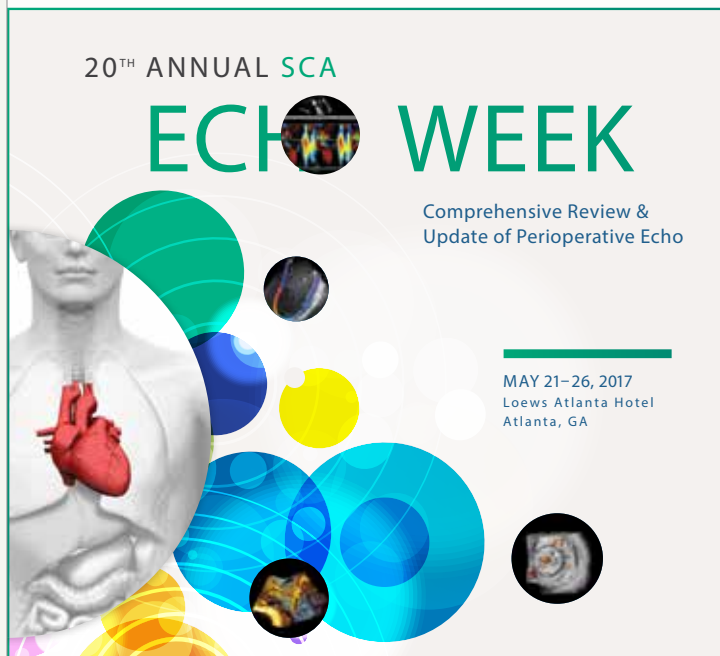
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20TH ANNUAL SCA
ECHO WEEK
Comprehensive Review &
Update of Perioperative Echo

MAY 21–26, 2017
Loews Atlanta Hotel
Atlanta, GA

The poster features a stylized human torso with a red heart, surrounded by various ultrasound images and colorful circles in shades of green, blue, and yellow.



**PERIOPERATIVE
ULTRASOUND COURSE**

MAY 21, 2017 | LOEWS ATLANTA HOTEL | ATLANTA, GA

The poster shows a large teal ultrasound image of a heart, with three circular inset images showing hands performing ultrasound procedures.

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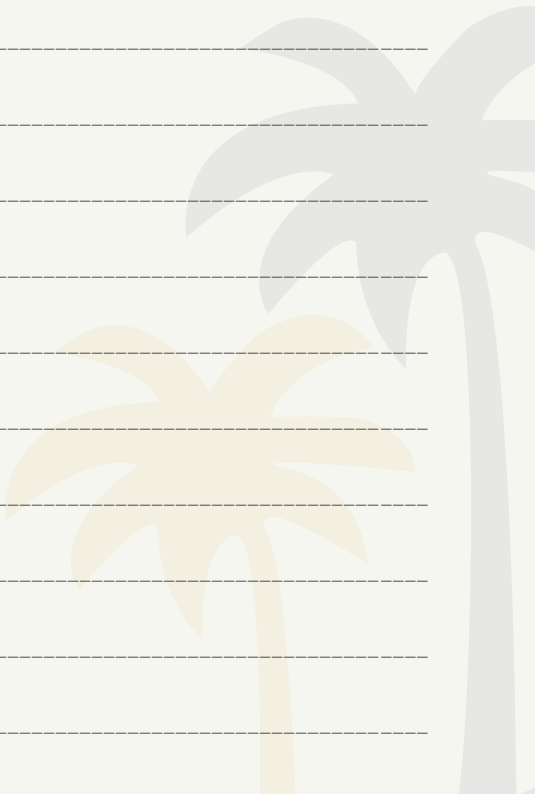
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Notes

Handwriting practice lines consisting of 20 horizontal dashed lines.





SAVE THE DATE

SCA 40th

ANNUAL MEETING & WORKSHOPS

April 28–May 2, 2018

Phoenix, AZ

JW Marriott, Phoenix Desert Ridge



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April 27, 2018