General Information

CME Information
Visit www.scahq.org/TAS to review general continuing medical education (CME) information for the meeting, including learning objectives and faculty financial disclosures.

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

Designation Statement
The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 9.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

How to Claim Your CME
To claim CME credit, visit www.scahq.org/evaluations to complete your 2019 Thoracic Anesthesia Symposium (TAS) evaluations. You must complete the evaluations by August 30, 2019, to claim credit. The deadline will not be extended.

Earn MOCA® Credit
The CME credits you earn at TAS can help fulfill your ABA Maintenance of Certification in Anesthesiology™ Part II credit requirement. Now, you also can earn Patient Safety credits for select sessions. Part II Patient Safety sessions are identified by the MOCA icon in the schedule.

Please note: To qualify for MOCA credit, you must attend the full session and complete a session evaluation. SCA reports Society members’ Part II credits directly to ABA as a member benefit.

Maintenance of Certification in Anesthesiology™ program and MOCA® are registered trademarks of the American Board of Anesthesiology®.

This activity offers up to 9.75 CME credits, of which 1.25 credits contribute to the patient safety CME component of the American Board of Anesthesiology’s redesigned Maintenance of Certification in Anesthesiology™ (MOCA*) program, known as MOCA 2.0®. Please consult the ABA website, www.theABA.org, for a list of all MOCA 2.0 requirements.

OnDemand Products
Annual Meeting OnDemand is an online library with more than 40 session from the meeting, including TAS. Revisit sessions you attended and participate in those you missed—anytime, anywhere. Plus, earn additional CME credits. Visit the OnDemand sales desk located near the Regency Ballroom registration desk to purchase the product onsite for a discounted rate!

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

Media Use

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 be photographed, please advise SCA management in writing at info@scahq.org.

Video Recording
By attending the SCA event or entering the event premises, you agree not to record or digitize any parts of the presentation.

Networking With Our Exhibitors
TAS exhibits will be located in Regency Ballroom D from 7 am to 6 pm.

All attendees are invited to join our exhibitors and sponsors at the Reception With Exhibitors on Friday evening from 5:30 to 6 pm. Light refreshments will be offered. Attendees will have the opportunity to network with colleagues and industry partners.

How to Connect
You’re here. The content is great. You’re surrounded by the best and brightest from the field of thoracic anesthesiology. But are you getting the most from your attendance?

@scahq
#SCATAS

IT’S TIME TO CONNECT.
Up-to-date information on the meeting can be easily found by following @scahq on Twitter or liking the SCA Facebook page.
Access the App

Abstracts, evaluations, and syllabi are available electronically. On the meeting app, attendees will have access to these materials before, during, and after the meeting. Access them two ways:

- Download the app to your mobile device or tablet. Search *SCA Meetings* in your app store.

All preregistered attendees received meeting app login instructions prior to the start of TAS. The meeting app can be accessed via a mobile device, tablet, or computer. **Log in with the email you used to register and the password CHICAGO2019.** Materials will be available through fall 2019.

Session Engagement Tools

Polling allows speakers to ask the audience questions during their presentations and then display the responses in real time.

Use **Social Q&A** to submit your questions to the panelists during every presentation.

These engagement tools are found in the meeting app and will be used at nearly all sessions. Follow the steps below to access them:

- Click on the *Schedule* icon and select the session.
- Click on the *Polling* icon for both tools.
- Polling—When you see a question appear during the presentation, select the corresponding question under Polls to submit your response and watch as the votes come in!
- Social Q&A—Click the Ask button to submit a question. Did someone else already ask your question? Up-vote it by clicking the arrow icon.
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FRIDAY, MAY 17

7 am–6 pm  
Regency Ballroom Registration Desk
Registration Open

7–7:45 am  
Regency Ballroom D
Continental Breakfast With Exhibitors

7:45–8 am  
Regency Ballroom BC
Opening Remarks

8–9 am  
Regency Ballroom BC
Right Heart Matters!  
Moderator: Albert Perrino, MD
8–8:15 am  
Why Can the RV Fail During Thoracic Surgery? Theresa Gelzinis, MD
8:15–8:30 am  
Monitoring the Right Ventricle in Thoracic Surgery André Denault, MD
8:30–8:45 am  
Pharmacologic Treatment of Acute Right Heart Failure Rebecca Klinger, MD
8:45–9 am  
Panel Discussion With Audience Participation

9–9:45 am  
Regency Ballroom BC
Doc, I Can’t Breathe!  
Moderator: Ju-Mei Ng, MD
9–9:15 am  
Airway Management for Resection of Tracheal Stenosis Wanda Popescu, MD
9:15–9:30 am  
Trachea in a Box—Are We There Yet? Laura Niklason, MD
9:30–9:45 am  
Panel Discussion With Audience Participation

9:45–10 am  
Regency Ballroom D
Coffee Break With Exhibitors

10–10:30 am  
Regency Ballroom BC
Three Best Recent Papers  
Moderator: Peter Slinger, MD

10:30–11 am  
Regency Ballroom BC
Top Research Abstracts  
Moderator: Alessia Pedoto, MD
(TAS01) Feasibility of Using an Algorithm for Cardiac Testing in Preoperative Assessment of Lung Cancer Patients  
David Watton, MD; Christopher Johnson, MD; Nadine Gauthier, MD; Eugene Leung, MD; Sylvain Gagne, MD; Donna Maziak, MDCM; Andrew Seely; Calvin Thompson, MD
(TAS02) Single Lung Ventilation and Re-expansion Alter the Transpulmonary Plasma Metabolome in Swine: Proof of Concept for Metabolotrauma  
Arkadi Beloiartsev, MD; Nathan Clendenen, MD; Paul Heerdt, MD
(TAS03) Anesthetic Management of a Pulmonary Autotransplant of the Left Lower Lobe  
Matthew Gunst, MD; Gregory Janelle, MD
Schedule

11 am–Noon
Workshop Breakout 1
See page 13 for details.

Noon–12:30 pm
Poster Presentations

12:30–1 pm
Lunch With Exhibitors

1–2 pm
Workshop Breakout 2
See page 13 for details.

2–3 pm
New Frontiers in Lung Cancer Surgery
Moderator: Philip Hartigan, MD

2–2:15 pm    Anesthetic Implications of the Newest Chemotherapy Alessia Pedoto, MD
2:15–2:30 pm  Novel Intrathoracic Imaging to Improve Surgical Resection E. Andrew Ochroch, MD
2:30–2:45 pm  Is Robotic Thoracic Surgery Worth the Money? Nabil Rizk, MD
2:45–3 pm     Panel Discussion With Audience Participation

3–3:45 pm
Too Old for Thoracic Surgery? MODA
Moderator: Maria Castillo, MD

3–3:15 pm     Risk Factors for Adverse Outcomes in the Elderly Patient Shamsuddin Akhtar, MD
3:15–3:30 pm  New Developments in Our Understanding of Postoperative Cognitive Dysfunction Hilary Grocott, MD
3:30–3:45 pm  Panel Discussion With Audience Participation

3:45–4 pm
Coffee Break With Exhibitors

4–4:30 pm
Difficult Case? No Problem!
Moderator: Wanda Popescu, MD

(TAS04) Resection of a Massive Intrathoracic Mass in a Patient With Takotsubo Cardiomyopathy
Harry Garcia, MD; Prakash Patel, MD; John Augoustides, MD

(TAS05) Challenges in Airway and Ventilatory Management in a Patient with Cornelia de Lange Syndrome Undergoing Video-Assisted Thoracoscopic Surgery (VATS)
Lauren Bonzelaar, MD; Jared Hooks, MD; Jayanta Mukherji, MB BS; Lisa Gramlich, MD

(TAS06) Tracheoesophageal Fistula: Esophageal Diverticulum With Unanticipated Near-Complete Airway Obstruction in a 36-Year-Old
Samantha Abel, MD; Hisashi Tsukada, MD; Stephanie Yacoubian, MD
Schedule

4:30–5 pm
Preoperative Evaluation Improves Outcome
Moderator: Randal Blank, MD
4:30–4:45 pm  Pro Alessia Pedoto, MD
4:45–5 pm  Con Albert Perrino, MD

5–5:30 pm
Town Hall Meeting
Moderator: Jagtar Singh Heir, DO
Panelists: Randal Blank, MD; Javier Campos, MD; Philip Hartigan, MD; Alessia Pedoto, MD; Wanda Popescu, MD; Peter Slinger, MD

5:30–6 pm
Reception With Exhibitors

6–7 pm
Who Wants to Be a Thoracic Millionaire?
Moderator: Ferenc Puskas, MD

SATURDAY, MAY 18
6:30 am–6 pm
Registration Open

7–8 am
Problem-Based Learning Discussions (PBLDs)
See page 12 for full schedule. Separate paid registration is required. Breakfast will be available on the Concourse Level (East Tower) beginning at 6:30 am. The sessions will begin promptly at 7 am.

9 am–Noon
Annual Meeting Morning Workshops
See page 13 for full schedule. Separate paid registration is required.

2:30–5:30 pm
Annual Meeting Afternoon Workshops
See page 13 for full schedule. Separate paid registration is required.
### Problem-Based Learning Discussions (PBLDs)

**SATURDAY, MAY 18**

Separate paid registration is required. Breakfast will be available on the Concourse Level (East Tower) beginning at 6:30 am. The sessions will begin promptly at 7 am.

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<thead>
<tr>
<th>Session</th>
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<td><strong>Michigan 1A</strong></td>
<td>Lung Transplantation Management—Strategies, Tips, and Tricks</td>
<td>Michigan 1A</td>
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<td>Moderators: Peter Slinger, MD; Kenichi Ueda, MD</td>
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<td><strong>Michigan 1B</strong></td>
<td>ECMO in Thoracic Surgery</td>
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<td>Moderators: Rebecca Klinger, MD; Eleanor Vega, MD</td>
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<td><strong>Michigan 1C</strong></td>
<td>How to Design and Implement a Thoracic ERAS Program at Your Hospital</td>
<td>Michigan 1C</td>
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<td>Moderators: Amanda Kleiman, MD; Alessia Pedoto, MD</td>
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<td><strong>Michigan 2</strong></td>
<td>Patient on LVAD for Thoracic Surgery</td>
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<td>Moderators: Wanda Popescu, MD; Diana Anca, MD</td>
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<td><strong>Michigan 3</strong></td>
<td>Esophagectomy</td>
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<td>Moderators: Ju-Mei Ng, MD; Jagtar Singh Heir, DO</td>
<td>Randolph 1A</td>
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<td><strong>Randolph 1A</strong></td>
<td>Biventricular Dysfunction and Pulmonary Resection—Is There an EF Limit?</td>
<td>Randolph 1A</td>
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<td>Moderators: Randal Blank, MD; Ryan Lesh, MD</td>
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# Hands-On Workshops

**Thoracic Anesthesia Symposium Workshop and PBLD Coordinator:** Randal Blank, MD  
**Annual Meeting Workshop and PBLD Coordinator:** Mary Beth Brady, MD

## FRIDAY, MAY 17

During the workshop breakout sessions at 11 am and 1 pm, attendees will participate in 1 of 4 possible workshops. Friday workshops are included in your registration fee. If you have any questions about your elected workshops, please visit the registration desk.

**Topic A**  
**Critical Procedural Skills**  
**Moderators:** Lavinia Kolarczyk, MD; Jason Long, MD  
**Faculty:** Meena Bhatia, MD; Aaron Dahl, MD; Chandrika Garner, MD; Nazish Hashmi, MBBS; Amanda Kleiman, MD; Dinesh Kurian, MD; Negmeldeen Mamoun, MD; Will Rosenblatt, MD

**Topic B**  
**Lung Isolation: The Normal and Challenging Airway**  
**Moderator:** Kenichi Ueda, MD  
**Faculty:** Diana Anca, MD; Brandi Bottiger, MD; Andrew Feider, MD; Richard Galgon, MD

**Topic C**  
**Regional Anesthesia**  
**Moderator:** Rebecca Klinger, MD  
**Faculty:** Brett Elmore, MD; James Kim, MD

**Topic D**  
**Thoracic Ultrasound: Diagnosis and Management**  
**Moderator:** Massimiliano Meineri, MD  
**Faculty:** Sundar Krishnan, MBBS; Donn Marciniak, MD; Natalie Silverton, MD

## SATURDAY, MAY 18 | ANNUAL MEETING WORKSHOPS

Separate paid registration is required for Saturday workshops.

### 9 am–Noon  
**Advanced TEE—Incorporating Advanced Echo Concepts Into Practice**  
**Moderators:** J. Mauricio Del Rio, MD; Kimberly Howard-Quijano, MD

**Presentations:**
- **Right Ventricle Quantification**  
  *Feroze Mahmood, MD*
- **Mitral Valve Measurements**  
  *Stanton Shernan, MD*
- **Cardiac Deformation**  
  *Kimberly Howard-Quijano, MD*
- **Hemodynamic Calculations**  
  *Alina Nicoara, MD*

**Station Faculty:**
- **Right Ventricle Quantification**  
  *Georges Desjardins, MD; Feroze Mahmood, MD*
- **Mitral Valve Measurements**  
  *Stanton Shernan, MD; Douglas Shook, MD*
- **Cardiac Deformation**  
  *Kimberly Howard-Quijano, MD; Nikolaos Skubas, MD*
- **Advanced Cases/Hemodynamics**  
  *Sharon McCartney, MD; Alina Nicoara, MD*
Hands-On Workshops (continued)

9 am–Noon  Columbus GIJ
ERACS: Design the System, Tailor the Anesthesia, and Enhance Your Patient’s Recovery
Moderators: James Anton, MD; Michael Grant, MD

Presentations:
- An Argument for ERACS Andrew Shaw, MB
- The Anesthesiologist’s and Intensivist’s Role in ERACS Michael Grant, MD
- Current State of the ERACS Movement Alexander Gregory, MD

Station Faculty:
- Program Development and Implementation Alexander Gregory, MD; Gregory Nelson, MD
- Opioid-Sparing/Free Anesthesia and Early Extubation Rafael Cabrales, MD; Michael Grant, MD
- Prevention of Acute Kidney Injury—Goal-Directed Perfusion and Fluid Management Viachaslau Barodka, MD; Michael Manning, MD
- Regional Analgesia Workstation Jeff Gadsden, MD; JP Ouannes, DO

2:30–5:30 pm  Columbus A–F
Perioperative Ultrasound: POCUS—It Seems to Be EVERYWHERE!
Here’s How to Use It
Moderators: Megan Kostibas, MD; Shahzad Shaefi, MD

Presentations:
- POCUS: The Present, the Future, and SCA Perioperative Ultrasound Program Bradley Coker, MD
- How POCUS and TTE Have Expanded My Practice Davinder Ramsingh, MD

Station Faculty:
- FAST Examination Ravi Joshi, MD; Laeben Lester, MD
- FOCUS Cardiac Examination M. Megan Chacon, MD; Georges Desjardins, MD
- CPR and TEE Massimiliano Meineri, MD; Walker Thomas, MHPTT
- Vascular Access Ricardo Cardenas, MD; Heather Hayanga, MD
- The Basic TTE Exam and Comparison TEE Views Bradley Coker, MD; Ashley Yager, MD
- Lung-Hypoxia/Dyspnea Davinder Ramsingh, MD; Vidya Rao, MD
Hands-On Workshops

2:30–5:30 pm  
Electrophysiology—Making Sense of Pacemakers, ICDs, and Lead Extractions  
Moderators: Jonathan Ho, MD; Candice Montzingo, MD

Presentations:
- Pacemaker Function and Programming Scott Streckenbach, MD
- Guidelines for Perioperative Management of Patients With a Cardiac Implantable Electrical Device Emily Methangkool, MD
- Establishing a Perioperative Device Management Service Ahmed Zaky, MD

Station Faculty:
- Pacemaker Mode Selection Emily Methangkool, MD; David Morgan, MD
- Perioperative ICD Therapy Management Scott Streckenbach, MD; Ahmed Zaky, MD
- Magnet Use Sreekanth Cheruku, MD; Eric Nelson, DO
- Lead Extractions Kimberly Howard-Quijano, MD; Timothy Maus, MD
(TAS07) Addition of Serratus Anterior Plane Block to Intercostal Nerve Blocks for Pain Control After VATS Lobectomy
Jacob Jackson, MD; Hao Zhang, MD; Dawn Desiderio, MD; Alessia Pedoto, MD; Alexandra Lewis, MD; David Amar, MD

(TAS08) Prognostic Nutritional Index Is a Predictor of Both Short- and Long-term Outcomes After Curative Resection of Lung Cancer: A Retrospective Cohort Study
Hyun Joo Ahn, MD

(TAS09) Low Intraoperative PaO₂/FiO₂ Ratio After Bilateral Lung Transplantation Does Not Predict Low Postoperative PaO₂/FiO₂ Ratio
Tjorvi Perry, MD; Megan Olejniczak, MD; Matthew Culling, MD; Stephen Richardson, MD; Daniel Siers; Stephen Huddleston, MD

(TAS10) Safety and Feasibility of Non-Intubated Video-Assisted Thoracic Surgery (NIVATS): A Case Series
Megan Olejniczak, MD; Rafael Andrade, MD; Madhyri Rao, MD; Tjorvi Perry, MD

(TAS11) Effect of Preoperative FFA on Coagulation Function and Prognosis of Patients With Infective Endocarditis After Cardiac Surgery
Lijuan Wang, MS; Hushan Ao, MD

(TAS12) Association of SinoSCORE and Total In-Hospital Costs of Coronary Artery Bypass Graft
Sudena Wang, MD; Hushan Ao, MD; Yuefu Wang, MD; Xiaojie Liu, MD; Lijuan Wang, MS; Yang Yu, MD; Sipeng Chen, MS

(TAS13) Inhaled Epoprostenol for the Treatment of Pulmonary Hypertension and Right Heart Failure in LVAD Recipients: A Retrospective Analysis
Belinda Lee, MD; Austin Kluis, BS; Ranjit John, MD; Tjorvi Perry, MD

(TAS14) The Result of the Study on Double Lumen Tube Anaesthesia in Mongolian People
Bolormaa Batnasan, PhD

(TAS15) Serratus Anterior Plane Block for Staged Thoracic Outlet Decompression in Paget-Schroetter Syndrome
Yeona Chun, MD; Arvind Rajagopal, MBBS

(TAS16) Awake Video-Assisted Thoracoscopic Surgery for Metastatic Pleural Effusion and Metastatic Compression of the Right Atrium
Soshana Clerizier, MD; Alan Smeltz, MD; Lavinia Kolarczyk, MD

(TAS17) Massive Mediastinal Teratoma Presenting Symptom: Smart Watch Tachycardia Alarm
Cory France, MD; Ryan Noska, MD

(TAS18) Staged Induction of a Large, Symptomatic Posterior Mediastinal Mass and Monitoring of IV Drip Rates as a Real-Time Predictor of SVC Syndrome
Shawn Jackson, MD; Hisashi Tsukada, MD; Sergey Karamnov, MD

(TAS19) Squamous Cell Lung Cancer With a Bronchopleural Fistula and Implications for an Intracranial Procedure
John McNeil, MD; Randal Blank, MD; Amanda Kleiman, MD

(TAS20) Successful Application of VV-ECMO in a Patient With a Large Tracheoesophageal Fistula
Laura Gil, MD; Ashley Fritz, DO; Archer Martin, MD
(TAS21) Bronchoscopic Debulking of Intratracheal Mass Under Femoro-Femoral Cardiopulmonary Bypass
Nik Ahmad Arif Nik Mohamed Zaki, MBBC; Nik Ramziyah Samad, MBBS; Nazri Mohamed

(TAS22) Explosive Barotrauma During Liquid Nitrogen Therapy for Tracheal Stenosis
Steven Haddy, MD; Pete Roffey, MD; Tawfik Ayoub, MD; P. Michael McFadden, MD

(TAS23) Retrograde Tracheal Intubation (Case Reports in National Cancer Center of Mongolia)
Bolormaa Batnasan, PhD

(TAS24) A Rare Case of Unilateral, Basilar Giant Bullae Treated with Video-Assisted Thoracoscopic Resection
Leslie Matthews, MD; Lavinia Kolarczyk, MD

(TAS25) Postoperative Serratus Anterior Plane Continuous Catheter as an Analgesic Rescue Technique, After a Failed Thoracic Epidural, for an Ivor Lewis Esophagectomy With Laparotomy and Right Sided Thoracotomy
Lida Shaygan, DO; Pete Pelletier, MD

(TAS26) Iatrogenic Superior Vena Cava Stenosis After Bicaval Cannulation for Mitral Valve Surgery
Alec Runyon, MD; Donn Marciniak, MD; Marta Kelava, MD; Ranjani Venkataramani, MD

(TAS27) Re-expansion Pulmonary Edema
Jordan Schell, MD; Kristine Pearson-Chauhan, DO

(TAS28) Mediastinal Abscess: How to Induce?
Matthew Rowland, MD; Sergey Karamnov, MD

(TAS29) Persistent Intraoperative Hypotension During Esophagectomy
Matthew Rowland, MD; Ju-Mei Ng, MD; Jeffrey Swanson, MD

(TAS30) Audit of One Lung Ventilation Management in Thoracic Surgery
Kiranjit Khazan Singh, MB ChB; Andrew Gaunt, MB BS

(TAS31) Challenges in the Management of Isolated Right Ventricular Mechanical Support
Jerome Crowley, MD; Yvonne Lai, MD; Sarah Lojovich, CCP; Adam Dalia, MD

(TAS32) Preoperative Considerations and Induction of General Anesthesia in an Adult Patient With Symptomatic Pectus Excavatum
David Buric, MD; Marcelo DaSilva, MD; Sergey Karamnov, MD

(TAS33) Novel Application of 3D Reconstruction of Tracheobronchial Anatomy From Computed Tomography Imaging in Thoracic Anesthesia
Shravan Cheruku, MD; Sergio Bustamante, MD

(TAS34) From Aorta to Spine—The Complicated Road to Paralysis
Jayme Looper, MD; Edward McGough, MD

(TAS35) Tension Pneumothorax in Contralateral Native Lung Following Single-Lung Transplant
Daniel Gross, MD; Sujatha Ramachandran, MD

(TAS36) Anesthetic Considerations for Pulmonary Alveolar Proteinosis
Tristan Freiling, DO; Mark Chaney, MD
(TAS37) Anesthetic Considerations for Biopsy of a Large Mediastinal Mass
Candy Ezimora, MD; Lavinia Kolarczyk, MD; Gita Mody, MD; Jason Long, MD

(TAS38) Venoarterial Extracorporeal Membrane Oxygenation: A Unique Solution to a Massive Problem
Patricia Narciso, DO; Ashley Fritz, DO; Archer Martin, MD

(TAS39) Withdrawn

(TAS40) Audit of Perioperative Anemia in Patients Undergoing Video-Assisted Thoracoscopic Surgery and Open Thoracotomy, at Nottingham City Hospital, United Kingdom
William Tomlinson, BMBS; Pamela Wake, BMed Sci; Rik Kapila, MBChB

(TAS41) Aberrant Subclavian Aneurysm Repair Followed by Heparin-Induced Thrombocytopenia and Its Complications Including Tracheo-Esophageal-Subclavian-Stump Fistula
Jason Broker, MD; Natalia Skachkova, MD
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**Friday, May 17 | Noon–1 pm**
**Regency Ballroom BC**
**A New Era for Thoracic Regional Anesthesia: Looking Beyond Epidurals**
Loran Mounir Soliman, MD
Director Regional Anesthesia Fellowship Institute of Anesthesia Comprehensive Pain Management Cleveland Clinic, Cleveland, OH
*Sponsored by Pacira Pharmaceuticals*

Exhibitors

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