

SCA 41ST ANNUAL MEETING & WORKSHOPS

MAY 18-21, 2019 | CHICAGO, IL
HYATT REGENCY CHICAGO



Wi-Fi: SCA2019
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www.scahq.org/AnnualMeeting
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SOCIETY OF
**CARDIOVASCULAR
ANESTHESIOLOGISTS**
Knowledge • Care • Investigation

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Dear colleagues,


Welcome to Chicago and thank you for attending SCA's 41st Annual Meeting & Workshops! We're confident that this meeting will provide countless opportunities to enhance your knowledge and celebrate our specialty with your peers. The educational programming is full of research, recent advancements, and innovative content designed to explore contemporary care and examine the best pathways to advance care for the future.

The Scientific Program Planning Committee has created a program that will stimulate ideas, questions, discussion, and friendly debate. The conference features speakers who are anesthesiologists, surgeons, cardiologists, perfusionists, research scientists, and more; content-rich workshops that focus on skill building; daily Problem-Based Learning Discussions for small-group interaction; and over 450 scientific abstracts and challenging case presentations.

We hope that you will take advantage of every opportunity to expand your knowledge by attending a variety of sessions and networking with the field's leading professionals.

We look forward to seeing you and hope you enjoy your time in Chicago!

Best wishes,



Michael P. Eaton, MD
Scientific Program Committee Chair, 2019-2020



Christopher A. Troianos, MD FASE
SCA President, 2017-2019

Schedule at a Glance

■ PBLDs
 ■ Workshops
 ■ General Sessions
 ■ Abstracts
 ■ Fellow/Resident Program

Saturday, May 18											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Various—See p. 35	PBLDs										
Riverside East					Complex Case Posters 1						Complex Case Posters 2
Columbus A-F			Workshop 1: Advanced TEE						Workshop 3: Perioperative Ultrasound		
Columbus G-IJ			Workshop 2: ERACS						Workshop 4: Electrophysiology		
Grand Ballroom A							Fellow & Resident Program			Best of Complex Cases	
Grand Ballroom B				Atrial Fibrillation and Arrhythmia			Adult Cardiac Anesthesia Tasting Menu			Cardiothoracic Critical Care	
Grand Ballroom C-F		Refresher Course Lectures		SCA/STS: Interventions for the Mitral Valve			Complicated Cases in Cardiac Coagulation			Quality Safety	

Sunday, May 19												
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	
Various—See p. 35	PBLDs											
Riverside East				Exhibit Hall 7 am–6:30 pm								
Riverside East						Scientific Poster Session 1						
Columbus A-D			Workshop 5: Mechanical Circulatory Systems							Workshop 6: Interventional Workshop		
Columbus E-F				Perioperative Delirium in CT Surgery			Research: Frontiers of Knowledge			Best of Meeting Oral Abstracts 1		
Columbus I-L				Academic Anesthesia Session			EACTA Session			Rethinking the Unthinkable		
Grand Ballroom C-F		Earl Wynands	VAD 2019				SOCCA Session: ECMO 2.0			A&A State of the Art	Intraoperative Thoracic Disasters	

Monday, May 20											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Various—See p. 35	PBLDs										
Riverside East	Exhibit Hall										
Riverside East						Scientific Poster Session 2					
Columbus E-F							Bench to Bedside: Best Evidence			Best of Meeting Oral Abstracts 2	
Columbus I-L							Building Expertise			Pay-for-Performance is Here!	
Grand Ballroom C-F		When the Healer Is Sick		ASA Update	Keynote Lecture	Awards & Business Meeting		Transfusion Issues in Cardiac Surgery		Focus on POCUS	Echo Jeopardy! 5-6:30 pm

Tuesday, May 21											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Various—See p. 35	PBLDs						PBLDs				
Riverside East						Scientific Poster Session 3					
Columbus A-D								Workshop 7: 3D TEE			
Columbus E-F				Evidence-Based Best Practice for Transplant				Emerging Topics in Aortic Surgery		Management of Incidental Aortic Stenosis	
Columbus I-L				Providing Leadership in the EP Lab in 2019			Fireside Chat	Trends in Heart Failure Management		Right Heart	
Grand Ballroom C-F		Working in the Dark		Comprehensive Perioperative Care			Super Echo Panel		Fellow & Resident TEE Review		

General Information

CME Information

Attendees can review general continuing medical education (CME) information for the meeting, including learning objectives and faculty financial disclosures, by visiting www.scahq.org/AnnualMeeting.

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 37 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 Annual Meeting 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 the Annual Meeting 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 37 CME credits, of which 3.5 credits contribute 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 sessions from the meeting, including the Thoracic Anesthesia Symposium. 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 Grand Ballroom 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.

Media Use

Photography

Please be advised that throughout the meetings, 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 presentations.

Networking With Our Exhibitors

Annual Meeting exhibits will be located in Riverside East during the following hours:

Sunday, May 19 7 am–6:30 pm

Monday, May 20 7 am–1:30 pm

All attendees are invited to join our exhibitors and sponsors at the **Opening Reception** on Sunday evening from 5:30 to 6:30 pm in the exhibit hall. 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 cardiovascular anesthesiology and echocardiography. But are you getting the most from your attendance?



@scahq

#SCA2019

It's time to connect.

Get up-to-date information on the meeting by following @scahq on Twitter or liking the SCA Facebook page.

SCA MEETING APP

Access the App

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

- Search *SCA Meetings* in your app store and download the app to your mobile device or tablet.
- Visit www.tripbuildermedia.com/apps/sca.

All preregistered attendees received meeting app login instructions prior to the start of the Annual Meeting. 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.

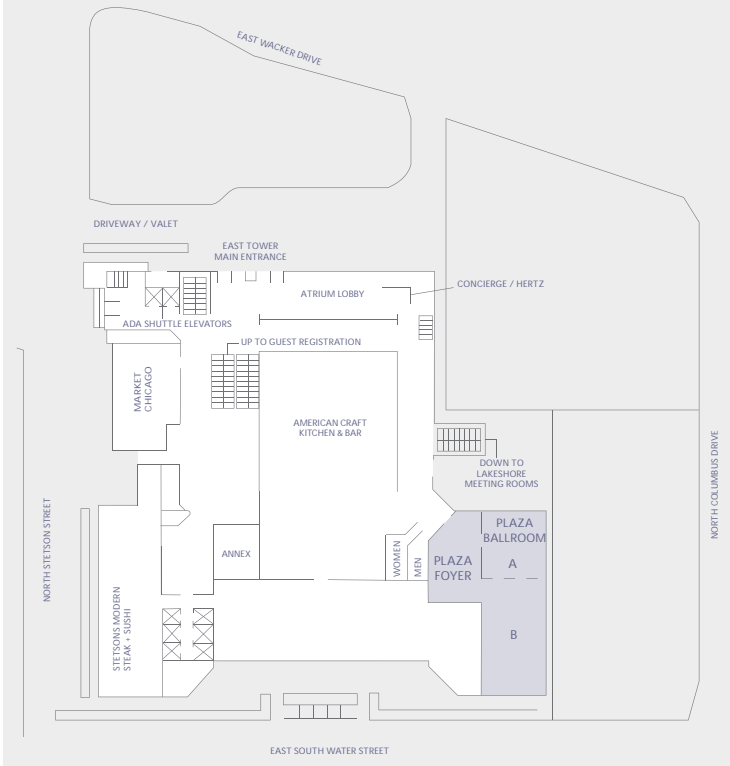
Use **Social Q&A** to submit your questions to the panelists during every presentation.

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

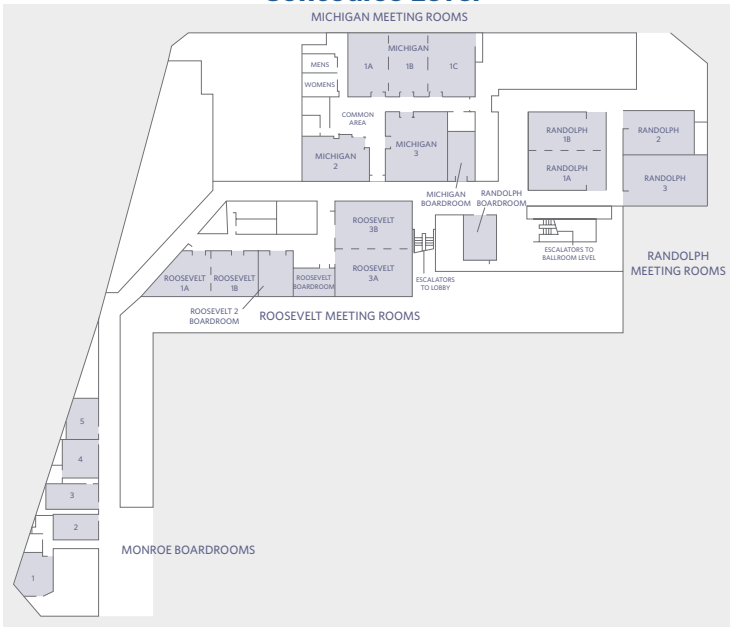
- Click on the *Schedule* icon and select the session.
- Click on the *Polling* icon for both tools.
- Polling—When you see a question appear during the presentation, select the corresponding question under Polls to submit your response and watch as the votes come in!
- Social Q&A—Click the *Ask* button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

Floor Plan

Lobby Level



Concourse Level



Floor Plan

Ballroom Level

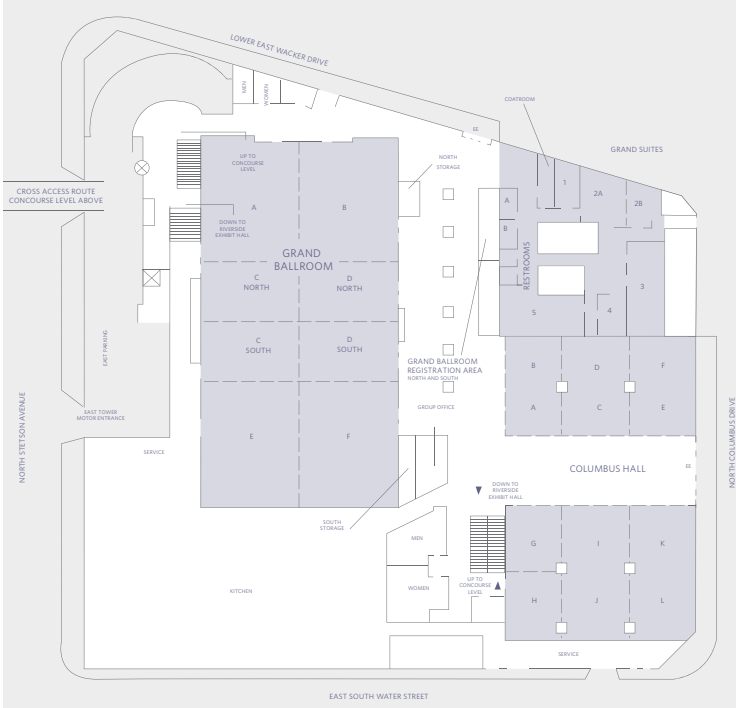
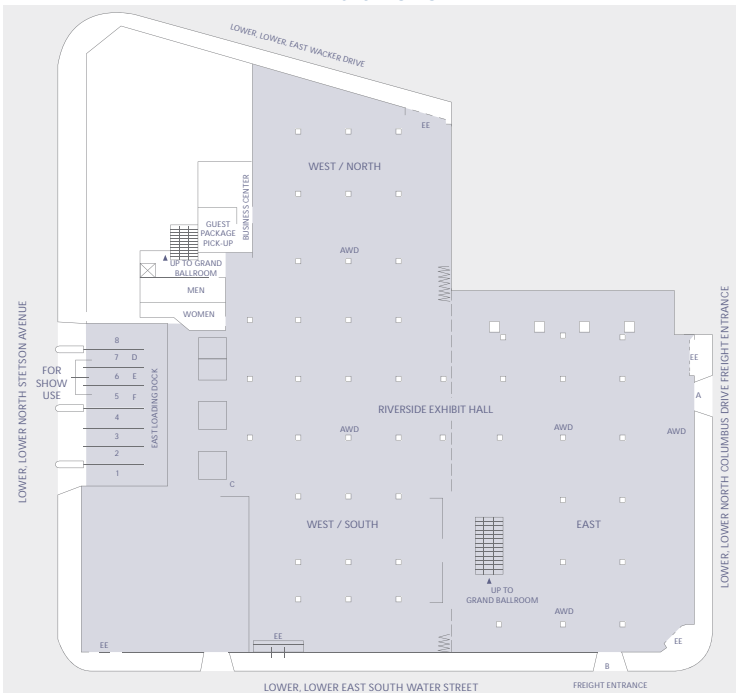


Exhibit Level



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Premier Lectures and Awards



Keynote Lecture

David Lubarsky, MD MBA

New Technologies and Partnerships vs Old Behaviors

David Lubarsky, MD MBA, is the vice chancellor of human health sciences and chief executive officer for UC Davis Health. He oversees UC Davis Health's academic, research, and clinical programs, including the School of Medicine, the Betty Irene Moore School of Nursing, the 1,000-member physician practice group, and UC Davis Medical Center, a 625-bed acute-care hospital. With roughly 10,000 employees, nearly 800 students, an annual operating budget of \$1.9 billion, and around 1 million outpatient visits each year, UC Davis Health is a major contributor to the health and economy of the Sacramento region and is a center of biomedical discoveries that help advance health around the world. Before joining UC Davis, Dr. Lubarsky served for 6 years as the chief medical officer and systems integration officer at the University of Miami Health System. UC Davis Chancellor Gary May calls him a problem solver and change maker. And if he has any free time, you can often find him on long rides around the region on his bike.



Earl Wynands Lecture

Annette Vegas, MDCM FASE FRCPC

Adult Congenital Heart Disease (ACHD): Past, Present, and Future

Annette Vegas, MDCM FASE FRCPC, graduated from medical school at McGill University and completed her anesthesia residency at the University of Toronto. Following a cardiac anesthesia fellowship at Toronto General Hospital (TGH), Dr. Vegas became an attending staff anesthesiologist at TGH in 1994, where she continues to practice in the operating room and cardiovascular intensive care unit. She further trained in transesophageal echocardiography and is a former Director of Perioperative Echocardiography at TGH.

Dr. Vegas's clinical interests include cardiac anesthesia, adult congenital heart disease, and transesophageal echocardiography. In her commitment to continuing education, she has authored and edited books on echocardiography and written several book chapters and papers. In addition, she serves as a developer of the TGH Department of Anesthesia Perioperative Interactive Education educational website and continues to deliver lectures at many international meetings. Dr. Vegas is a well-respected educator and has been honored with awards for continuing medical education and teaching.

Schedule

SATURDAY, MAY 18

6:30 am–6 pm **Grand Ballroom Registration**
Registration Open

7–8 am
Problem-Based Learning Discussions (PBLDs)
See page 35 for full schedule. Separate registration required.

7–8 am **Grand Ballroom Foyer**
Continental Breakfast

8–10 am **Grand Ballroom C-F**
Refresher Course Lectures

Moderator: Michael Eaton, MD

- 8–8:25 am Tricuspid Valve: What's New in Imaging and Therapies
Michele Sumler, MD
- 8:25–8:50 am Ultrasound and the CV Anesthesiologist in 2019
Bruce Bollen, MD
- 8:50–9:15 am SCA Improving Quality of Care: The CPI Initiative
Nanette Schwann, MD
- 9:15–9:40 am It's Not (Just) About the Money: What Every CV Anesthesiologist Must Know About Healthcare Finance
Gordon Morewood, MD
- 9:40–10 am Panel Discussion With Audience Participation

9 am–Noon
Morning Workshops
See page 32 for full schedule. Separate registration required.

10–10:30 am **Grand Ballroom Foyer**
Coffee Break

10:30 am–Noon **Grand Ballroom B**
Atrial Fibrillation and Arrhythmia

Moderator: Jonathan Ho, MD

- 10:30–10:50 am SCA Atrial Fibrillation Clinical Practice Improvement Update
J. Danny Muehlschlegel, MD
- 10:50–11:10 am Chronic Atrial Fibrillation
Christopher Madias, MD
- 11:10–11:30 am Post-Op A-Fib
Nathan Waldron, MD
- 11:30–11:50 am A Comprehensive Approach to Atrial Fibrillation
Lawrence Lee, MD
- 11:50 am–Noon Panel Discussion With Audience Participation

10:30 am–Noon

Grand Ballroom C–F

SCA/STS: Interventions for the Mitral Valve

Moderator: Charles Nyman, MBBCh

- 10:30–10:50 am Repair or Replace? What Echo Data the Surgeon Needs to Know
Marc Pelletier, MSc
- 10:50–11:10 am Percutaneous Mitral Repair—Are We There Yet?
G. Burkhard Mackensen, MD
- 11:10–11:30 am Echo Evaluation: Past, Present, Future **Chirojit Mukherjee, MD**
- 11:30 am–Noon Case Presentation: Heart Team—Secondary/Primary
MR-Open vs Percutaneous **Jenny Kwak, MD**

11 am–Noon

Riverside East

Complex Case Poster Presentations: Session 1

See page 48 for full details.

**Noon–1 pm
Lunch Break**

1–3:30 pm

Grand Ballroom C–F

Quick Communications and Complicated Cases in Cardiac Coagulation

Moderators: James Abernathy, MD; Michael Eaton, MD

- 1–1:20 pm Heparin Resistance: What to Do When the ACT Gets You Down
Mike Mazzeffi, MD
- 1:20–1:40 pm Concentrated Factors: What's There to Concentrate On?
Kenichi Tanaka, MD
- 1:40–2 pm NOACs: Know What???? **Jerrold Levy, MD**
- 2–2:20 pm OK, It's Really HITT, Now WhaTT? **Alycia Wanat-Hawthorne, MD**
- 2:20–2:40 pm Clopidogrel Tuesday, Surgery Today: OK? **Nadia Hensley, MD**
- 2:40–3:30 pm Case Discussions With Audience Participation

1–3:30 pm

Grand Ballroom B

Adult Cardiac Anesthesia Tasting Menu—A Little Something for Everyone

Moderator: Mary Beth Brady, MD

- 1–1:15 pm Perioperative Care of the Morbidly Obese Cardiac Surgical Patient
J. Mauricio Del Rio, MD
- 1:15–1:30 pm Hypertrophic Cardiomyopathy—May the Force NOT Be With You!
Wei Dong Gao, MD
- 1:30–1:45 pm Craftsmanship vs Automation in Cardiac Anesthesia
Tjorvi Perry, MD
- 1:45–2 pm Airway Management for Patients With Significant Cardiac Disease
Peter Slinger, MD
- 2–2:15 pm Team Planning for High Risk Lead Extractions **Brandon Lebow, MD**
- 2:15–2:30 pm Interventional Echocardiography—What Is It? And How Does It Impact Income and Resources? **G. Burkhard Mackensen, MD**

- 2:30–2:45 pm Pipes, Plumbing, and Knobs—Basic Refresher on VADs and ECMO **Jacob Gutsche, MD**
- 2:45–3 pm Cardiac Surgery and Barely an Opioid in Sight: Why? Who? How? **Rafael Cabrales, MD**
- 3–3:30 pm Panel Discussion With Audience Participation

1–3:30 pm Fellow and Resident Program

Grand Ballroom A

See page 31 for full details.

2:30–5:30 pm Afternoon Workshops

See page 33 for full schedule. Separate registration required.

3:30–4 pm Coffee Break

Grand Ballroom Foyer

4–5 pm Complex Case Discussion With Expert Panel

Grand Ballroom A

Moderators: Tara Brakke, MD; Jacques Neelankavil, MD

See page 48 for full details.

4–5:30 pm Quality Safety: Advancing Teamwork

Grand Ballroom C–F

Moderators: James Abernathy, MD; Nadia Hensley, MD



- 4–4:25 pm The Current State of Teamwork Science: How Teamwork Research in Real and Simulated Environments Can Advance the Safety Agenda **Sarah Henrickson Parker, PhD**
- 4:25–4:50 pm What Cardiothoracic Teams Can Learn From Elite Performers: A Perspective on High Performance/Preventing Harm From a Non-Healthcare Professional **Brian Ferguson**
- 4:50–5:15 pm Lessons Learned Observing the Natives: Impact of Interpersonal Communication Style on Teamwork and Engagement **Emmilie Aveling, PhD**
- 5:15–5:30 pm Panel Discussion With Audience Participation

4–5:30 pm Cardiothoracic Critical Care: Adding Value

Grand Ballroom B

Moderator: J. Mauricio Del Rio, MD



- 4–4:18 pm What's the Paradigm of the Contemporary CT Critical Care Physician **J. Mauricio Del Rio, MD**
- 4:18–4:36 pm CTICU in the Private Practice Environment **Juan Pulido, MD**
- 4:36–4:54 pm Teaching Residents and Fellows CCM in the CTICU **Mike Mazzeffi, MD**
- 4:54–5:12 pm Co-managing Patients in the CTICU: Surgeon's View **Aaron Cheng, MD**
- 5:12–5:30 pm Panel Discussion With Audience Participation

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SATURDAY, MAY 18 (continued)

5–6 pm

Riverside East

Complex Case Poster Presentations: Session 2

See page 54 for full details.

SUNDAY, MAY 19

6:30 am–6:30 pm
Registration Open

Grand Ballroom Registration

7–8 am

Problem-Based Learning Discussions (PBLDs)

See page 35 for full schedule. Separate registration required.

7–8 am

Riverside East

Continental Breakfast With Exhibitors

8–9 am

Grand Ballroom C-F

Earl Wynands Lecture

Moderator: Michael Eaton, MD

Adult Congenital Heart Disease: Past, Present, and Future **Annette Vegas, MDCM**

9–10:30 am

Grand Ballroom C-F

VAD 2019: VAD Care in the OR and Beyond

Moderator: Nelson Thamer, MD

- 9–9:20 am Echo for VAD Surgery: What Am I Looking For? **Jonathan Leff, MD**
- 9:20–9:40 am Right Ventricular Failure in Patients With LVAD Support
Daryl Oakes, MD
- 9:40–10:05 am What Could Possibly Go Wrong? Troubleshooting a VAD:
Power, RPMs, Cardiac Output, and More **Mike Mazzeffi, MD**
- 10:05–10:30 am Interactive Scenarios With Audience Participation

9 am–Noon

Morning Workshop

See page 33 for full schedule. Separate registration required.

10:30–11 am

Riverside East

Coffee Break With Exhibitors

11 am–12:30 pm

Grand Ballroom C-F

SOCCA Session: ECMO 2.0—Beyond Cannulation

Moderator: Shahzad Shaefi, MD

- 11–11:20 am Epidemiology and Outcomes in Contemporary ECMO
Leora Balsam, MD
- 11:20–11:40 am Setting up ECMO Retrieval Programs: Pitfalls, Challenges, and
Results **Jacob Gutsche, MD**

- 11:40 am–Noon Dollars and Cents: How Profitable is ECMO and for How Long?
J. Mauricio Del Rio, MD
- Noon–12:20 pm ECMO in 2040: Emerging Technologies and Expanding Uses?
Thomas Graetz, MD
- 12:20–12:30 pm Panel Discussion With Audience Participation

11 am–12:30 pm **Columbus E–F** **Perioperative Delirium in CT Surgery: Mechanisms and Strategies**

Moderator: *Sreekanth Cheruku, MD*

- 11–11:25 am Who's at Risk for Delirium? Risk Factors and Pathophysiology
Charles Brown, MD
- 11:25–11:50 am Intraoperative Strategies to Reduce the Incidence of Delirium
Isaac Lynch, MD
- 11:50 am–12:15 pm My Patient Has Delirium! Now What? **Rakesh Arora, MD**
- 12:15–12:30 pm Panel Discussion With Audience Participation

11 am–12:30 pm **Columbus I–L** **Academic Anesthesia Session**

Moderator: *Jenn Hargrave, DO*

- 11–11:15 am Managing Expectations for Academic Time and Clinical Productivity **Andrew Shaw, MB**
- 11:15–11:30 am Teaching the Next Generation: Adult Learning Theory **Carlos Trombetta, MD**
- 11:30–11:45 am Teaching the Next Generation: Theory vs Reality—Applying the Science of Adult Learning to GME **Natalia Ivascu, MD**
- 11:45 am–Noon What Does Success Look Like for the Clinician-Scientist in 2019? **Mihai Podgoreanu, MD**
- Noon–12:30 pm Panel Discussion With Audience Participation

12:30–1:30 pm **Riverside East** **Lunch Break With Exhibitors**

12:30–1:30 pm **Riverside East** **Scientific Program Poster Presentations: Session 1**

See page 39 for full details.

1:30–3 pm **Grand Ballroom C–F** **Anesthesia & Analgesia State of the Art**

Moderator: *Nikolaos Skubas, MD*

- 1:30–1:55 pm Strain as a Predictor of Outcome After Cardiac Surgery
Gregory Hans, MD
- 1:55–2:20 pm Forced Vital Capacity to Predict Lung Compliance During Thoracic Surgery **Aman Mahajan, MD**
- 2:20–2:45 pm Pulmonary Artery Pulsatility as Predictor of RV Failure in LVAD Patients **Frederick Cobey, MD**
- 2:45–3 pm Panel Discussion With Audience Participation

SUNDAY, MAY 19 (continued)

1:30–3 pm

Columbus I–L

EACTA Session: Potpourri From Across the Sea

Moderator: Donna Greenhalgh, MD

- 1:30–1:55 pm Low Platelet Count Post-Surgery: HITT or Not HITT? **Timothy Hayes, MBChB**
- 1:55–2:20 pm All Centers Should Have Mechanical Support Available
Pro: **Blanca Martinez, MD**
Con: **Chirojit Mukherjee, MD**
- 2:20–2:45 pm Challenging TAVR Case Discussions **Joerg Ender, MD**
- 2:45–3 pm Panel Discussion With Audience Participation

1:30–3 pm

Columbus E–F

Research: Frontiers of Knowledge

Moderator: J. Danny Muehlschlegel, MD

- 1:30–1:50 pm Big Data Science **Miklos Kertai, MD**
- 1:50–2:10 pm Protecting the Heart **Jennifer Lawton, MD**
- 2:10–2:30 pm Personalized Medicine **Louis Saddic, MD**
- 2:30–2:50 pm Top 5 Scientific Articles of the Year **Jacques Neelankavil, MD**
- 2:50–3 pm Panel Discussion With Audience Participation

2:30–5:30 pm

Afternoon Workshop

See page 34 for full schedule. Separate registration required.

3–3:30 pm

Riverside East

Coffee Break With Exhibitors

3–5:30 pm

Columbus E–F

Best of Meeting Oral Abstract and Early Career Investigator Award Presentations

Moderator: J. Danny Muehlschlegel, MD

See page 37 for full details.

3:30–5:30 pm

Grand Ballroom C–F

Intraoperative Thoracic Disasters

Moderator: Wanda Popescu, MD

- 3:30–4 pm Air, Give Me Air! Intraoperative Management of Tracheal Trauma **Alessia Pedoto, MD**
- 4–4:30 pm No One Said There'd Be Days Like These—Intraoperative Management of Pulmonary Hemorrhage **Heather Hayanga, MD**
- 4:30–5 pm What's Your Echo Probe Doing in My Field? Management of Esophageal Injury From TEE **Rebecca Klinger, MD**
- 5–5:30 pm Hypoxemia During One Lung Ventilation—Current Strategies to Predict, Prevent, and Treat **Daryl Oakes, MD**

3:30–5:30 pm**Rethinking the Unthinkable:
Ethical Issues in CT Anesthesia****Columbus I–L***Moderators: Jenn Hargrave, DO; Yasdet Maldonado, MD*

- 3:30–3:55 pm Destination to Where? Ethical Dilemmas in Mechanical Circulatory Support **Michael O'Connor, DO**
- 3:55–4:20 pm Futile vs Failure—Recognizing When to Start and Stop Resuscitative Efforts **Claudia Viens, MD**
- 4:20–4:45 pm When Doctors Slam the Door—Addressing the Disruptive Physician in the Cardiac OR **Natalia Ivascu, MD**
- 4:45–5:30 pm Panel Discussion With Audience Participation

5:30–6:30 pm**Opening Reception****Riverside East****MONDAY, MAY 20****6:30 am–4 pm****Registration Open****Grand Ballroom Registration****7–8 am****Problem-Based Learning Discussions (PBLDs)***See page 35 for full schedule. Separate registration required.***7–8 am****Continental Breakfast With Exhibitors****Riverside East****8–10 am****When the Healer Is Sick: Personal Stories of Surviving Burnout****Grand Ballroom C–F***Moderator: Candice Montzingo, MD*

- 8–8:30 am Why We Don't Last Longer: Burnout in the CV Anesthesiologist **Susan Martinelli, MD**
- 8:30–8:55 am Where There Is Burnout There Is Fire **Tjorvi Perry, MD**
- 8:55–9:20 am Keeping It Together While I Fell Apart **Sasha Shillcutt, MD**
- 9:20–10 am Panel Discussion With Audience Participation

10–10:30 am**Coffee Break With Exhibitors****Riverside East****10:30–11 am****ASA Update****Grand Ballroom C–F***Moderator: Christopher Troianos, MD***Kenneth Elmassian, DO, ASA Secretary****11 am–Noon****Keynote Lecture****Grand Ballroom C–F***Moderator: Christopher Troianos, MD***New Technologies and Partnerships vs Old Behaviors** **David Lubarsky, MD**

MONDAY, MAY 20 (continued)

Noon–12:30 pm Business Meeting and Awards

Moderator: Christopher Troianos, MD

Grand Ballroom C–F

12:30–1:30 pm Lunch With Exhibitors

Riverside East

12:30–1:30 pm Scientific Program Poster Presentations: Session 2

See page 42 for full details.

Riverside East

1:30–3 pm Transfusion Issues in Cardiac Surgery

Moderators: Kamrouz Ghadimi, MD; Linda Shore-Lesserson, MD

Grand Ballroom C–F

- 1:30–1:55 pm Hemoglobin Levels and Transfusion Thresholds: Insights From the TRICS III Trial Investigators **Alexander Gregory, MD**
- 1:55–2:20 pm Bypass Hacks to Maximize the Potential of Your Red Cell Mass: Ultrafiltration, RAP, Microplegia, Mini-Circuits, and More! **Prakash Patel, MD**
- 2:20–2:45 pm How to Manage Bleeding in the Cardiac Surgical Patient When Blood Transfusion Is Not an Option **Nicole Guinn, MD**
- 2:45–3 pm Panel Discussion With Audience Participation

1:30–3 pm Bench to Bedside: Best Evidence About Risk, Mechanism, and Therapy of Organ Injury for the Clinician

Moderators: Frederic Billings, MD; Shahzad Shaefi, MD

Columbus E–F

- 1:30–1:50 pm Reperfusion Injury and Oxidative Stress—The Translational Story **Frederic Billings, MD**
- 1:50–2:10 pm Key Clinical Trials and Promising Avenues for AKI **Amanda Fox, MD**
- 2:10–2:30 pm Best Evidence for Brain Protection **Hilary Grocott, MD**
- 2:30–2:50 pm Best Evidence for Heart Protection **Mihai Podgoreanu, MD**
- 2:50–3 pm Panel Discussion With Audience Participation

1:30–3 pm Building Expertise in the Care of the Adult Congenital Patient

Moderator: Adriaan Van Rensburg, MD

Columbus I–L

- 1:30–1:55 pm Surgical Considerations for Adults With Congenital Heart Disease—How to Become a “Surgeon Whisperer” **Glen Van Arsdell, MD**
- 1:55–2:20 pm Perioperative Echocardiography in the Adult With Congenital Heart Disease **Annette Vegas, MDCM**
- 2:20–2:45 pm Perioperative Management Concepts for Adults With Congenital Heart Disease—The Keys to Success **Jochen Steppan, MD**
- 2:45–3 pm Panel Discussion With Audience Participation

3–3:30 pm Coffee Break

Grand Ballroom Foyer

3:30–5 pm Columbus I–L Pay-for-Performance Is Here! Performance, Outcomes, and Dollars for the Cardiac Anesthesiologist

Moderator: *Laurent Glance, MD*

- 3:30–3:55 pm New Developments and Challenges of Using NACOR to Measure the Performance of Cardiac Anesthesiologists for MIPS **Richard Dutton, MD**
- 3:55–4:20 pm Is There a Role for Cardiac Anesthesiologists in Bundled Payments and Accountable Care Organizations? **Amanda Rhee, MD**
- 4:20–4:45 pm Report Card on Payment Reform: Does It Deliver on Its Promise to Reduce Costs and Improve Quality? **Laurent Glance, MD**
- 4:45–5 pm Panel Discussion With Audience Participation

3:30–5 pm Grand Ballroom C–F Focus on POCUS

Moderator: *Jonathan Ho, MD*

- 3:30–3:50 pm POCUS Is Here (and Everywhere Else)—Why You Care and What to Do About It **Douglas Shook, MD**
- 3:50–4:10 pm TTE Is Not POCUS and POCUS Is Not TTE—How Far Beyond the Heart? **Davinder Ramsingh, MD**
- 4:10–4:30 pm Nuts and Bolts of Formalizing a POCUS Practice **Bradley Coker, MD**
- 4:30–4:50 pm POCUS Certification Is Needed to Ensure Adequate Technical Skill and Cognitive Competency
Pro: **Tara Brakke, MD**
Con: **Feroze Mahmood, MD**
- 4:50–5 pm Panel Discussion With Audience Participation

3:30–5:30 pm Columbus E–F Best of Meeting Oral Abstract Presentations

Moderator: *Sasha Shillcutt, MD*
See page 38 for full details.

5–6:30 pm Grand Ballroom C–F Echo Jeopardy

Moderators: *Feroze Mahmood, MD; Andrew Maslow, MD; Peter Panzica, MD*
Panelists: *Frederick Cobey, MD; Donna Greenhalgh, MD; Reed Harvey, MD; Heather Lander, MD; Laeben Lester, MD; Timothy Maus, MD; Alina Nicoara, MD; Jessica Spellman, MD; Annette Vegas, MDCM*

TUESDAY, MAY 21

6:30 am–4 pm Grand Ballroom Registration Registration Open

7–8 am Problem-Based Learning Discussions (PBLDs)

See page 36 for full schedule. Separate registration required.

TUESDAY, MAY 21 (continued)

7–8 am

Grand Ballroom Foyer

Continental Breakfast

8–10 am

Grand Ballroom C–F

Working in the Dark: Interventional Cardiology in 2019

Moderator: Frederick Cobey, MD

- 8–8:20 am TAVR 2019: Do You Even Need an Anesthesiologist? **Prakash Patel, MD**
- 8:20–8:40 am Mitraclip: Functional vs Degenerative Uses **Richard Sheu, MD**
- 8:40–9 am Chronic Total Occlusion Intervention: Why and How? **Jayakar Guruswamy, MD**
- 9–9:20 am What's New in Percutaneous Valve Care? **Feroze Mahmood, MD**
- 9:20–9:40 am Emerging Technologies: Are They Just Toys? **Himani Bhatt, DO**
- 9:40–10 am Panel Discussion With Audience Participation

10–10:30 am

Grand Ballroom Foyer

Coffee Break

10:30 am–Noon

Columbus E–F

Evidence-Based Best Practice for Transplant

Moderator: Nelson Thaemert, MD

- 10:30–10:50 am Heart Transplantation in 2019—What Are the Best Practices? **Brian Gelfand, MD**
- 10:50–11:10 am Lung Transplantation in 2019—What Are the Best Practices? **Jeffrey Swanson, MD**
- 11:10–11:30 am Ex-Vivo Lung Perfusion—What, How, and Why? **Peter Slinger, MD**
- 11:30–11:50 am High-Risk Donors—What's the Big Deal? **M. Megan Chacon, MD**
- 11:50 am–Noon Panel Discussion With Audience Participation

10:30 am–Noon

Grand Ballroom C–F

Comprehensive Perioperative Care for the Cardiac Surgical Patient

Moderators: Heather Lander, MD; Jacques Neelankavil, MD

- 10:30–10:55 am A Cardiac Surgeon's Vantage Point: ERACS—Good for One or Good for All? **HelenMari Merritt, DO**
- 10:55–11:20 am ERACS P&L: Cost or Savings? **David Reich, MD**
- 11:20–11:45 am Prehabilitation vs Rehabilitation: The Practicality and Feasibility of Pre- and Postoperative Interventions **Jessica Rydingsward, DPT**
- 11:45 am–Noon Panel Discussion With Audience Participation

10:30 am–Noon

Columbus I–L

Providing Leadership in the EP Lab in 2019

Moderator: Sreekanth Cheruku, MD

- 10:30–10:50 am Navigating the EP Lab Environment **Alina Nicoara, MD**
- 10:50–11:10 am Anesthesia for SVT Ablation **Emily Methangkool, MD**
- 11:10–11:30 am Anesthesia for A. Fib and A. Flutter Ablation **Himani Bhatt, DO**

11:30–11:50 am Anesthesia for VT Ablation **Miklos Kertai, MD**
11:50 am–Noon Panel Discussion With Audience Participation

Noon–1 pm

Scientific Program Poster Presentations: Session 3

See page 45 for full details.

Riverside East

1–2 pm

Problem-Based Learning Discussions (PBLDs)

See page 36 for full schedule. Separate registration required.

1–2 pm

Fireside Chat: Promoting Women Leaders

Moderator: Daryl Oakes, MD

1–1:25 pm Closing the Gender Gap: Promoting Women Leaders in Medicine **Sasha Shillcutt, MD**
1:25–1:50 pm Transformative Leadership Skills **Janet Shlaes, PhD**
1:50–2 pm Panel Discussion With Audience Participation

Columbus I–L

1–2:30 pm

Super Echo Panel Discussion

Moderators: Kathy Glas, MD; Timothy Maus, MD

Panelists: Joerg Ender, MD; Vidya Rao, MD; Ratna Vadlamudi, MD

(SE01) Guess the Mass—A CMAC Story **Elvera Baron, MD; Himani Bhatt, DO**
(SE02) The Mitral/Aortic Flow Velocity Integral Ratio in Mitral Regurgitation
John Fox, MD; Frederick Cobey, MD
(SE03) 3D Imaging of a Thrombus-in-Transit Across a PFO: Guiding Multidisciplinary Decision Making in a Challenging Case
Thomas Krall, MD; Catherine Chiu, MD; Revati Nafday, MD
(SE04) Intraoperative Diagnosis and Anesthetic Management of Acute Prosthetic Complications in Transcatheter Mitral Valve Replacement
Cheuk Yin Lai, MD; Himani Bhatt, DO
(SE05) Echocardiographic Evaluation of CorMatrix Extracellular Matrix Tricuspid Valve Replacement
Yasmin Maisonave, MD; Alina Nicoara, MD; Benjamin Brockbank, MD
(SE06) Complicated Fibrosing Mediastinitis
Jeffrey Songster, MD; Rebecca Aron, MD; Tara Brakke, MD
(SE07) Left and Right Coronary Artery Fistula Draining Into Coronary Sinus
Eleanor Vega, MD

Grand Ballroom C–F

2–3:30 pm

Emerging Topics in Aortic Surgery: Congenital Aortic Syndromes

Moderator: James Anton, MD

2–2:25 pm Clinical Decision Making and Management of the Ascending Aorta in Patients With a Bicuspid Aortic Valve
Michael Joynt, MD
2:25–2:50 pm Marfan Syndrome: Surgical Options and Anesthetic Considerations **Gregory Janelle, MD**

Columbus E–F

TUESDAY, MAY 21 (continued)

- 2:50–3:15 pm Evaluating and Treating Aortic Insufficiency in the Young Adult
Kathryn Rouine-Rapp, MD
- 3:15–3:30 pm Panel Discussion With Audience Participation

2–3:30 pm

Trends in Heart Failure Management

Columbus I–L

Moderator: Jenny Kwak, MD

- 2–2:17 pm Current Medical Management of Heart Failure
Himabindu Vidula, MD
- 2:17–2:34 pm Temporary Mechanical Circulatory Support
Jessica Spellman, MD
- 2:34–2:51 pm Economics of Heart Failure and Its Treatment
Erik Anderson, MD
- 2:51–3:08 pm Update on the Heart Allocation System
Marat Fudim, MD
- 3:08–3:30 pm Panel Discussion With Audience Participation

2–5 pm

Afternoon Workshop

See page 34 for full schedule. Separate registration required.

2:30–5:30 pm

Fellow and Resident TEE Review

Grand Ballroom C–F

Moderators: Tara Brakke, MD; Jacques Neelankavil, MD

3:30–4 pm

Coffee Break

Grand Ballroom Foyer

4–5:30 pm

Management of Incidental Aortic Stenosis During CABG in the TAVR Era

Columbus E–F

Moderator: Paul Lennon, MD

- 4–4:20 pm Case Presentation
Paul Lennon, MD
- 4:20–4:40 pm Current Criteria for AVR at Time of CABG
Georges Desjardins, MD
- 4:40–5 pm TAVR Indications
Yasdet Maldonado, MD
- 5–5:20 pm Anatomical Contraindications for TAVR
Ravi Joshi, MD
- 5:20–5:30 pm Panel Discussion With Audience Participation

4–5:30 pm

Right Heart: Supporting the “Other” Ventricle

Columbus I–L

Moderator: Candice Montzingo, MD

- 4–4:25 pm Why is Pulmonary Hypertension Important in the Preoperative Period?
Jochen Steppan, MD
- 4:25–4:50 pm Medical Management: Inhaled Pulmonary Vasodilator Therapies for Preoperative Right Heart Failure
André Denault, MD
- 4:50–5:15 pm Surgical Management: Criteria for Insertion of RV Assist Devices
Jessica Spellman, MD
- 5:15–5:30 pm Panel Discussion With Audience Participation

Schedule: Fellow and Resident Program

Fellow and Resident Program Director: Jacques Neelankavil, MD

SATURDAY, MAY 18

6:45–7:55 am

Grand Ballroom A

Explore Your Future: Structured Networking Circles

Moderator: Kathy Glas, MD

RSVP required. Visit the registration desk for more information.

11 am–Noon

Riverside East

Complex Case Poster Presentations: Session 1

1–2 pm

Grand Ballroom A

A Career in Cardiothoracic Anesthesiology: Mission Possible

Moderators: Tara Brakke, MD; Jacques Neelankavil, MD

How to Succeed in Your First Job

1–1:20 pm

Michele Sumler, MD

1:20–1:40 pm

Heather Lander, MD

1:40–2 pm

Bruce Bollen, MD

2–3:30 pm

Grand Ballroom A

PBLD: Aortic Dissection

Moderators: James Anton, MD; Ioanna Apostolidou, MD; Dalia Banks, MD; Wendy Bernstein, MD; Susan Eagle, MD; John Fox, MD; Reed Harvey, MD; Ryan Hood, MD; Raj Modak, MD; Daryl Oakes, MD; Douglas Shook, MD; Jeffrey Songster, MD; Nelson Thaemert, MD; Annemarie Thompson, MD; J. Clint Tippett, MD; Daniel Tolpin, MD; Justin Wilson, MD

4–5 pm

Grand Ballroom A

Complex Case Discussion With Expert Panel

Moderators: Tara Brakke, MD; Jacques Neelankavil, MD

Panelists: Dalia Banks, MD; John Fox, MD; Gregory Janelle, MD

See page 48 for details.

5–6 pm

Riverside East

Complex Case Poster Presentations: Session 2

TUESDAY, MAY 21

2:30–5:30 pm

Grand Ballroom C–F

Fellow and Resident TEE Review

Moderators: Tara Brakke, MD; Jacques Neelankavil, MD

2:30–3 pm

Ultrasound Physics **Daryl Oakes, MD**

3–3:30 pm

Artifacts and Pitfalls **Michele Sumler, MD**

3:30–4 pm

Hemodynamic Calculations **Mary Beth Brady, MD**

4–4:30 pm

Congenital Heart Defects **Tiffany Williams, MD**

4:30–5 pm

Prosthetic Valve Evaluations **Jonathan Leff, MD**

5–5:30 pm

Panel Discussion With Audience Participation

Schedule: Hands-On Workshops

Workshop Coordinator: Mary Beth Brady, MD
Separate paid registration required.

SATURDAY, MAY 18

9 am–Noon

Columbus A–F

(WS1) 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**

9 am–Noon

Columbus GIJ

(WS2) 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 Ouanes, DO**

2:30–5:30 pm**Columbus A–F****(WS3) 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****2:30–5:30 pm****Columbus GIJ****(WS4) 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**

SUNDAY, MAY 19

9 am–Noon

Columbus A–D

(WS5) **Mechanical Circulatory Systems—New Development and Emerging Technologies in Extracorporeal Life Support**

Moderators: Jenny Kwak, MD; Laeben Lester, MD

Presentations:

Configurations and Cannulation Strategies **Eric Nelson, DO**

MCS and Echocardiography **Michael Manning, MD**

New Emerging Technologies **James Anton, MD**

Station Faculty:

LVAD I **Austin Adams, MD; James Anton, MD**

LVAD II **Antonio Hernandez, MD; Jenny Kwak, MD**

ECMO **David Chabot, MS; Eric Nelson, DO**

Cardiopulmonary Bypass **Ron Angona, MS; Michael Manning, MD**

2:30–5:30 pm

Columbus A–D

(WS6) **Interventional Workshop—The Secrets of Percutaneous Procedures**

Moderators: James Abernathy, MD; Nelson Thaemert, MD

Station Faculty:

PBLD: Transcatheter Valves—Where Can We Put Them?

James Abernathy, MD; Brandon Lebow, MD

Left Atrial Occlusion Equipment and Imaging **Erik Anderson, MD; Trevor Szymanski, MD**

TAVR Equipment **Nadia Hensley, MD**

MitraClip PBLD **David Morgan, MD; Carly Peterson, MD**

MitraClip 3D Analysis **M. Megan Chacon, MD; Michele Sumler, MD**

MitraClip Equipment **Charles Nyman, MBBCh**

TUESDAY, MAY 21

2–5 pm

Columbus A–D

(WS7) **3D TEE—Principles, Essentials, and So Much More**

Moderators: Alina Nicoara, MD; Charles Nyman, MBBCh

Presentations:

3D: Modalities of Acquisition, Advantages, and Disadvantages **Alina Nicoara, MD**

How Do I Incorporate 3D for Percutaneous Interventions? **Charles Nyman, MBBCh**

How Do I Incorporate 3D in the Operating Room? **Anne Cherry, MD**

Station Faculty:

Basic 3D TEE I **Anne Cherry, MD**

Advanced 3D TEE I **Emily Methangkool, MD**

Basic 3D TEE II **Sharon McCartney, MD; Jeffrey Swanson, MD**

Advanced 3D TEE II **Massimiliano Meineri, MD; Tjorvi Perry, MD**

Advanced 3D Quantification **Michael Duggan, MD; Charles Nyman, MBBCh**

Advanced 3D TEE III **Megan Krajewski, MD**

Schedule: Problem-Based Learning Discussions (PBLDs)

Thoracic Anesthesia Symposium PBLD Coordinator: Randal Blank, MD (PBLDs 1–6)

Annual Meeting & Workshops PBLD Coordinator: Mary Beth Brady, MD (PBLDs 7–29)

Breakfast will be available outside of the session rooms beginning at 6:30 am for all morning sessions. The session will begin promptly at the start time indicated in the schedule.

Separate registration required. Limited registration available.

Saturday, May 18 7–8 am (Thoracic-Focused PBLDs)		
PBLD 1	Lung Transplantation Management—Strategies, Tips, and Tricks Peter Slinger, MD; Kenichi Ueda, MD	Michigan 1A
PBLD 2	ECMO in Thoracic Surgery Rebecca Klinger, MD; Eleanor Vega, MD	Michigan 1B
PBLD 3	How to Design and Implement a Thoracic ERAS Program at Your Hospital Amanda Kleiman, MD; Alessia Pedoto, MD	Michigan 1C
PBLD 4	Patient on LVAD for Thoracic Surgery Wanda Popescu, MD; Diana Anca, MD	Michigan 2
PBLD 5	Esophagectomy Ju-Mei Ng, MD; Jagtar Singh Heir, DO	Michigan 3
PBLD 6	Biventricular Dysfunction and Pulmonary Resection—Is There an EF Limit? Randal Blank, MD; Ryan Lesh, MD	Randolph 1A

Sunday, May 19 7–8 am		
PBLD 7	Team Building in the Cardiac OR—There Is No “I” in TEAM James Abernathy, MD; Emmilie Aveling, PhD	Michigan 1A
PBLD 8	Mitral Regurgitation: A Team-Based Approach to Decision Making Douglas Shook, MD; Anne Cherry, MD	Michigan 1B
PBLD 9	Perfusion Secrets—What You Should Know, But Probably Don’t Austin Adams, MD; Ron Angona, MS	Michigan 1C
PBLD 10	Factor Recombinants, Factor Concentrates, and Fibrinogen Kenichi Tanaka, MD; Jerrold Levy, MD	Michigan 2
PBLD 11	Perioperative Delirium—The Experts’ Opinions on This Everyday Concern Charles Brown, MD; Shahzad Shaefi, MD	Michigan 3
PBLD 12	Pitfalls and Solutions in Invasive Arterial Pressure Measurement Jacob Gutsche, MD; Albert Perrino, MD	Randolph 1A

Monday, May 20 7–8 am		
PBLD 13	Management of Spinal Cord Ischemia Daryl Oakes, MD; Lindsay Raleigh, MD	Michigan 1A
PBLD 14	Managing the Patient Taking the New Oral Anticoagulants Michael Duggan, MD; Korrin Scott, MD	Michigan 1B
PBLD 15	Severe Right Ventricular Dysfunction After Cardiac Surgery—Everyone's Nightmare Guatam Sreeram, MD; André Denault, MD	Michigan 1C
PBLD 16	Renal Protection Strategies for Cardiac Surgery: What's New? What's Outdated? Viachaslau Barodka, MD; Amanda Fox, MD	Michigan 2
PBLD 17	Severe Pulmonary Hypertension and Noncardiac Surgery—No Need to Be Afraid Jochen Steppan, MD; Jonathan Leff, MD	Michigan 3
PBLD 18	Heparin-Induced Thrombocytopenia and Cardiopulmonary Bypass Alycia Wanat-Hawthorne, MD; Michael Eaton, MD	Randolph 1A

Tuesday, May 21 7–8 am		
PBLD 19	Challenges of Ventricular Assist Device Placement Ratna Vadlamudi, MD; HelenMari Merritt, DO	Michigan 1A
PBLD 20	The Complex VT Ablation—Making It Easy Diana Anca, MD; Linda Shore-Lesserson, MD	Michigan 1B
PBLD 21	LVAD Patient With a Struggling RV: Do's and Don'ts During Noncardiac Procedures Jiapeng Huang, MD; Tara Brakke, MD	Michigan 1C
PBLD 22	Managing the Adult Congenital Patient for Elective Noncardiac Surgery Gregory Janelle, MD; Michael Joynt, MD	Michigan 2
PBLD 23	Walking on a Wire: High-Risk TAVR Under Monitored Anesthesia Care Jared Feinman, MD; Sharon McCartney, MD	Michigan 3
PBLD 24	The Guidelines for Valvular Heart Disease—How to Make Sense of It All Michele Sumler, MD; Stanton Sherman, MD	Randolph 1A

Tuesday, May 21 1–2 pm		
PBLD 25	Perioperative Management of a Patient With VA ECMO Meena Bhatia, MD; Priya Kumar, MD	Michigan 1A
PBLD 26	Still Bleeding: Tips and Tricks for Troubleshooting Perioperative Coagulopathy Prakash Patel, MD; Megan Kostibas, MD	Michigan 1B
PBLD 27	Jehovah Witness Patient? No Worries! Tricks of the Trade for Perioperative Management for Blood Conservation Sanjay Dwarakanath, MD; Johannes Steyn, MD	Michigan 1C
PBLD 28	Anesthetic Considerations for Robotic Mitral Valve Repair Peter Neuburger, MD; Lisa Rong, MD	Michigan 2
PBLD 29	Endocarditis—What You Don't Know Can Hurt You Heather Hayanga, MD; Bruce Bollen, MD	Michigan 3

Scientific Program Abstracts and Posters

Best of Meeting Oral Abstract and Early Career Investigator Award Presentations

SUNDAY, MAY 19 | 3–5:30 PM

(SCA001) Cortisol and ACTH Hormone Dynamics in the Critically Ill After Cardiac Surgery

Ben Gibbison, MD; Daniel Keenan, PhD; Ferdinand Roelfsema, MD; Jonathan Evans; Kirsty Stevenson, BSc; Chris Rogers, PhD; Gianni Angelini, MD; Stafford Lightman, MB BChir

(SCA002) ACT to Heparin Ratio as a Predictor of Coagulopathy During Deep Hypothermic Circulatory Arrest

Jan-Pablo Kollmar, MD; Adam Weinstein, MD; Dirk Varelmann, MD

(SCA003) Efficacy of an Analgesia Prescription Guideline in Reducing Unused Opioid Following Discharge From Cardiac Surgery

Joseph Pena, MD; Hugo Clifford, MD; Chung-Jen Chen, BS; Ruth Landau, MD; Marie-Louise Meng, MD

(SCA004) Preoperative Erector Spinae Plane (ESP) Blocks as Opioid-Sparing Analgesia for Cardiac Patients Undergoing Primary Sternotomy: Outcomes of a Pilot Project

Christopher Huber, MD; Candy Ezimora, MD; Lavinia Kolarczyk, MD; Monika Nanda, MBBS; Emily Teeter, MD; Meena Bhatia, MD

(SCA005) Venous Harmonics Are More Sensitive Than Central Venous Pressure for Detecting Acute Right Heart Failure in a Rat Model of Respiratory Arrest

Ryan Lefevre, MD; Susan Eagle, MD; Claudius Balzer, MD; Matthias Riess, MD; Antonio Hernandez, MD; Franz Baudenbacher, PhD

(SCA006) Sirtuin-3 Mediates Cerebral Resilience to Both Warm and Cold Ischemia-Reperfusion Injury in the Rat

Qing Ma, MD; Zhiquan Zhang, PhD; Quintin Quinones, MD; Mihai Podgoreanu, MD; Machael Smith, MS

EARLY CAREER INVESTIGATOR AWARD

(SCA007) Risk Factors for Postoperative Reintubation After Coronary Artery Bypass Grafting: A Bi-Institutional Study

Ethan Brovman, MD; Sameer Hirji, MD; Andrea Axtell, MD; Kara Fields, MS; J. Danny Muehlschlegel, MD; Richard Urman, MD; Tsuyoshi Kaneko, MD; Sergey Karamnov, MD; George Tolis, MD; Gaston Cudemus Deseda, MD

(SCA008) Impact of Left Ventricular Outflow Tract Flow Acceleration on Aortic Valve Area Calculation in Patients With Aortic Stenosis

Andaleeb Ahmed, MD; Robina Matyal, MD; Feroze Mahmood, MD; Ruby Feng, BA; Graham Berry, MD; Scott Gilleland, MD; Kamal Khabbaz, MD

(SCA009) A Population-Based Analysis of Intraoperative Cardiac Arrest in the United States

Vikram Fielding-Singh, MD; Mark Willingham, MD; Matthew Fischer, MD; Tristan Grogan, MS; Jacques Neelankavil, MD

(SCA010) Tricuspid Regurgitation After Orthotopic Heart Transplantation: Trajectories and Association With Mortality

Kiran Belani, MD; Mary Cooter, MS; Alina Nicoara, MD; Priyesh Patel, MD; Jacob Schroder, MD; Madhav Swaminathan, MD; Sharon McCartney, MD

(SCA011) Investigating Cognitive Decline After Cardiac Surgery: A Magnetic Resonance Spectroscopy Approach

Igor Feinstein, MD; Maya Yutsis, PhD; Michael Fischbein, MD; Daryl Oakes, MD; Martin Angst, MD

Best of Meeting Oral Abstract Presentations

MONDAY, MAY 20 | 3:30–5:30 PM

(SCA012) Machine Learning Identifies Perioperative Variables Associated With Cardiac Surgery-Associated Acute Kidney Injury

Sreekanth Cheruku, MD; Rong Lu, PhD; Abu Minhajuddin, PhD; Javier Neyra, MD; Xiaowei Zhan, PhD; Michael Jessen, MD; Xie Yang, PhD; Amanda Fox, MD

(SCA013) Evaluation of Heparin Cryogels as Possible Cardiovascular Device Surface

Christoph Nabzdzyk, MD; Michaela Farber, MD; Ting-Yu Shih, PhD; Cindy Huynh, MD; David Mooney, PhD; Leena Pradhan-Nabzdzyk, PhD; Frank LoGerfo, MD

(SCA014) Improving Trend in Survival Post-Heart Transplantation in Patients With Prior Left Ventricular Assist Device: A Temporal Analysis of United Network of Organ Sharing Registry

Nirvik Pal, MD; John Stansfield, PhD; Nitai Mukhopadhyay, PhD; Mark Nelson, MD

(SCA015) 3D Mitral Valve Quantification: A Comparison of Off-Line Analysis Software and Techniques

Yannis Amador, MD; Azad Mashari, MD; Wendy Tsang, MD; Massimiliano Meineri, MD

(SCA016) Feasibility of Echocardiographic Imaging of a Three-Dimensionally Printed Patient-Specific Mitral Valve

Feroze Mahmood, MD; Daawar Chaudhry, BA; Yanick Baribeau, BS; Faraz Mahmood, MD; Eitezaz Mahmood, BA; Ruby Feng, BA; Robina Matyal, MD; Kamal Khabbaz, MD; Shuo Liu, MD

(SCA017) Echocardiographic Evaluation in a Porcine Model of Donation after Circulatory Death and Normothermic Regional Perfusion Prior to Heart Transplant

Mbadjeu Hondjeu Arnaud Romeo, MD; Emanuela Paradiso, MD; Roberto Ribeiro, MD; J.S. Alvarez, MD; M. Badiwala, MD; V. Rao, MD; M. Meineri, MD

(SCA018) Intraoperative Transesophageal Echocardiography and Outcomes Among US Adults Undergoing Isolated Coronary Artery Bypass Graft Surgery

Emily Mackay, DO; Rachel Werner, MD; Peter Groeneveld, MD; Jacob Gutsche, MD; John Augoustides, MD; Mark Neuman, MD; Nimesh Desai, MD

(SCA019) The Platelet Activation Marker Mean Platelet Volume (MPV) as an Independent Predictor of Acute Kidney Injury After On-Pump Cardiac Surgery

Cathy Deng, MD; Miklos Kertai, MD; Matthew Fuller, MS; Jorn Karhausen, MD

(SCA020) Impact of Prosthetic Graft Replacement of the Ascending Aorta on Circumferential Strain in the Descending Aorta

Mudit Kaushal, MD; Lisa Rong, MD; Maria Chiara Palumbo, BMS; Kane Pryor, MD; Mario Gaudino, MD; Samantha Huynh, BS

(SCA021) Feasibility of Right Ventricular Pressure Volume Loops: A Physiological Exploration

Eckhard Mauer mann, MD; Michael Vandenheuevel, MD; Stefaan Bouchez; Patrick Wouters, MD

Scientific Program Poster Presentations: Session 1

Basic Science, Cardiovascular Anesthesia

SUNDAY, MAY 19 | 12:30–1:30 PM

(SCA022) Metal 3D Printed Laryngoscope for Insertion of Double Lumen Endotracheal Tubes

Caroline Walker, MD; Luiz Maracaja, MD; Chase Culver, MD; Manuel Fontes, MD; Jean Charchafieh, MD; William Rosenblatt, MD

(SCA023) Brachial Artery Flow-Mediated Dilation and Pulmonary Arterial Capacitance

Alexander Paladino, MD; Frederic Billings, MD; Marcos Lopez, MD

(SCA024) Mitochondrial Oxidative Phosphorylation-related Gene Expression Changes Induced by 48-Hour Epinephrine Exposure in Cultured Rat Cardiomyocyte

Henry Liu, MD; Kirsten Fill, MD; Rayhan Tariq, MD; Liang Huang, MD; Michael Green, DO

(SCA025) A Convolutional Neural Network to Classify Transthoracic Echocardiography Images

Joshua Qua Hiansen, MSc; Massimiliano Meineri, MD; Azad Mashari, MD

(SCA026) Peak Ejection Time as a Pressure-Independent Index of Contractility/Afterload Balance in Right Ventricular Hypertension

Caroline Walker, MD; Paul Heerd, MD; Sofia Charania, BA

(SCA027) Intraoperative Cefazolin Concentrations for Patients Undergoing Cardiopulmonary Bypass (CPB) for Coronary Artery Bypass Graft Surgery (CABG): A Preliminary Analysis

Joseph Schwartz, MD; Gregory Kim, MD; David Nicolau, PharmD

(SCA028) The Development of a Canine Model of Endovascular Aortic Aneurysm Repair-Induced Ischemic Spinal Cord Damage and Paralysis

Hamdy Awad, MD; Hossam ElSayed, MD; Mostafa Eltogy, MD; Hesham Kelani, MD; Gerard Nuovo, MD; Esmerina Tili, PhD

(SCA029) Platelet-Dependent Stimulation of Perivascular Mast Cells as a Source of Tissue Injurious and Systemic Inflammatory Responses to Cardiac Surgery

Jorn Karhausen, MD; Hae Woong Choi, PhD; Soman Abraham, PhD; Wolfgang Bergmeier; Robert Lee, PhD

(SCA030) Withdrawn

(SCA031) Determination of Spread of Injectate After Ultrasound-Guided Pecto-Intercostal Fascial Plane Block: A Cadaveric Study

Thomas Barefoot, MD; Michael Fiedorek, MD; Kevin Phelan, PhD; Gregory Mehaffey, MD; Mark Stevens, MD; Charles Napolitano, MD

(SCA032) Chest Wall Blocks for Reducing Pain and Opioid Consumption After Minimally Invasive Cardiac Surgery

John Gamble, MD; Yi-Ju Li, PhD; Shuming Sun, Master of Statistics; Donald Glower, MD; Rebecca Klinger, MD

(SCA033) Association Between Intraoperative Hypotension and Postoperative Delirium in Patients Undergoing Cardiac Surgery

Valluvan Rangasamy, MD; Ariel Mueller, MA; Puja Shankar, MD; Balachundar Subramaniam, MD

(SCA034) Metabolomic Profiling of Remote Ischemic Preconditioning in Healthy Volunteers

Anushri Desai, MD; Nathan Clendenen, MD

(SCA035) Risk of Low Cardiac Output Syndrome After Isolated CABG

Rachel Diehl, MD; Andra Duncan, MD

(SCA036) Feasibility of Tracking Pulmonary Vascular Resistance Using Pulmonary Artery Pulse Contour Analysis in Patients Undergoing LVAD Placement

Tjorvi Perry, MD; Belinda Lee, MD; Matthew Culling, MD; Daniela Orza, MD; Andrew Shaffer, MD

(SCA037) Relationship Between Performance Measurement of Intraoperative Mean Arterial Pressure and Mortality in Patients Undergoing Cardiac Surgery

Jinyoung Bae, MD; Susie Yoon, MD; Hyung-Chul Lee, MD; Yunseok Jeon, MD; Jae-Hyon Bahk, MD; Youn Joung Cho, MD

(SCA038) Remote Ischaemic Preconditioning in Urgent Coronary Surgery Due to Acute Coronary Syndrome

Miomir Jovic, MD; Miroslav Milicic, MD; Dragana Unic Stojanovic, MD; Bato Korac, PhD; Aleksandra Jankovic, PhD

(SCA039) Comparison of Effects of Three Different Anaesthetic Induction Agents on Echocardiographic Parameters of Left Ventricular Systolic Function

Indranil Biswas, MD; Goverdhan D. Puri, MD; Komal Gandhi, MD

(SCA040) Frequency of Pump Thrombus After Factor Eight Inhibitor Bypass Activity (FEIBA) Administration During LVAD Implantation

Ashley Black, MD; Chris Rishel, MD; Vidya Rao, MD

(SCA041) Fluid Overload in Special Pediatric Cohorts With Anomalous Origin of the Left Coronary Artery From the Pulmonary Artery Following Surgical Repair

Yuefu Wang, MD; Chunrong Wang, MD; Fuxia Yan, MD

(SCA042) Current Neuroprotection Practices in Cardiac Anesthesia—A Survey to the Membership of the Society of Cardiovascular Anesthesiologists

Joseph Morabito, DO; Karsten Bartels, MD; G. Burkhard Mackensen, MD; Tjorvi Perry, MD; Martin Krause, MD

(SCA043) The Relationship Between Transfusion and Adverse Outcomes in Cardiac Surgical Patients

Gavriel Ausubel, DO; Oonagh Dowling, PhD; Daniel Hart, MD; Chad Vitiello; Linda Shore-Lesserson, MD

(SCA044) ABO Blood Group and Transfusions During and After LVAD Implantation

Gina Sun; Claudia Bruguera, MD; David Moss, MD; Ian Welsby, MBBS; Frederick Cobey, MD

(SCA045) Coagulation Test Changes Associated With Acute Normovolemic Hemodilution in Cardiac Surgery

Bradford Smith, MD; Gregory Nuttall, MD; William Mauer mann, MD; Mark Smith, MD

(SCA046) Comparison of Respiration Variation of Carotid Doppler Waveform to Pulse Pressure Variation

Davinder Ramsingh, MD; Taysir Awad, MD; Matthew Alschuler, BS; Matthew Holsclaw, MD; Michael Benggon, MD; Seth White, MD; Benjamin Gow-Lee, BS; Ihab Dorotta, MD

(SCA047) Association Between Perioperative Body Temperature and Long-term Mortality After Off-Pump Coronary Artery Bypass Graft Surgery: A Retrospective Observational Study

Tae Kyong Kim, MD

(SCA048) Comparing the Efficacy of High Flow Jet Ventilation and Standard Volume Control Ventilation in Atrial Fibrillation Ablation Procedures

Michael Swong, MD; Tina Law, DO; Jennie Ngai, MD

(SCA049) Intraoperative Use of Hydromorphone Versus Sufentanil in Cardiac Surgery

Karen Singh, MD; Kenneth Brown, MD; Marcel Durieux, MD

(SCA050) Pulmonary Artery Pulsatility Index: A Look at Intraoperative Data to Predict Right Ventricular Failure After Left Ventricular Assist Device Insertion

Ben Jensen, MD; Nicholas Markin, MD; Jeffrey Songster, MD

(SCA051) Opioid Sparing Technique for Cardiac Surgery Patients Using Erector Spinae Plane Catheters

Jessica Brodt, MD; Jean-Louis Horn, MD; Ashley Peterson, MD; Christian O'Donnell; Ban Tsui, MD

(SCA052) Pulse Wave Velocity Index: A New Measure for Real Time Arterial Stiffness

Ashley Taylor, MD; Yoshihisa Morita, MD

(SCA053) Withdrawn

(SCA054) Comparison of Preoperative Versus Intraoperative Diastolic Grading Systems in a Cohort of CABG Patients

Vivek Chellappa, MD; Sean Mofidi, MD; Jacques Neelankavil, MD; Reed Harvey, MD

(SCA055) Isoflurane and Propofol Have Different Effects on the Degree of Pre-existing Mitral Valve Regurgitation in Cardiac Surgery

Hyun Joo Ahn, MD

(SCA056) Dexmedetomidine and Impact on Mortality and Duration of Hospitalization

Eric Leiendecker, MD; Nathaen Weitzel, MD; Nathan Clendenen, MD

(SCA057) The Feasibility of Anesthesiologist Performed Intraoperative TTE During TAVR

Kaitlyn Hartman, MD; Christopher Tanaka, MD

(SCA058) Prediction of Left Ventricular Impairment After Mitral Valve Surgery Using a Noninvasive Pressure-Volume Analysis: A Pilot Study

Pietro Bertini, MD; Fabio Guarracino, MD

(SCA059) Dynamic Blood Pressure Complexity Indices Add Predictive Value to the STS Cardiac Surgical Risk Prediction Index

Valluvan Rangasamy, MD; Teresa Henriques, PhD; Pooja Mathur, BS; Roger Davis, ScD; Murray Mittleman, MD; Balachundar Subramaniam, MD

(SCA060) Relationship Between Short-Term Outcome and Increase of Infusion Rate of Vasoactive-Inotropic Drugs After Weaning From Cardiopulmonary Bypass in Corrective Repair for Tetralogy of Fallot

Motoi Inoue, MD; Kazuya Tachibana, MD; Tomonori Yamashita, MD

(SCA061) Anesthetic Management of Transcatheter Tricuspid Valve Interventions: A Single Center Case Series

Thomas Graul, DO; Irene Kitromelides, BS; Harikesh Subramanian, MBBS; Joseph Sanders, MD

(SCA062) Perioperative Outcomes of Patients With Pulmonary Hypertension Undergoing Noncardiac Surgery With General Anesthesia Versus Monitored Anesthesia Care

Monica Miller, MD; Tristan Grogan, MS; Theodora Wingert, MD; Emily Methangkool, MD; Louis A. Saddic, MD

(SCA063) The Effect of Anesthetic Techniques on Cardiac Troponin-T After Noncardiac Surgery

Jihye Kwon, MD; Ah Ran Oh, MD; Jungchan Park, MD; Jeong Jin Min, MD; Jonghwan Lee, MD

(SCA064) Incidence and Predictors of Acute Kidney Injury After Open Repair of Abdominal Aortic Aneurysm

Zdenko Povsic Cevra, MD; Nikola Bradić, MD; Katarina Tomulic Brusich, MD

(SCA065) Frequency and Outcomes of Elevated Perioperative Lactate Levels in Adult Congenital Heart Disease Patients Undergoing Cardiac Surgery

Jeffrey Kim, MD; Andrew Wu, MD; Jacques Neelankavil, MD; Theodora Wingert, MD; Tristan Grogan, MS; Jennifer Scovotti, MA; Wolf Kratzert, MD

(SCA066) Ultrasound Assessment of Optic Nerve Sheath Diameter in Cardiac Surgical Patients—A Pilot Study

Shvetank Agarwal, MD; Jose Puentes, Pharm D; Melissa Lamrissi, MD; Manuel Castresana, MD

(SCA067) Volatile Anesthetics for Cardioprotection During Coronary Artery Bypass Grafting

Nikola Bradić, MD; Zdenko Povsic-Cevra, MD

(SCA068) A Prospective Randomized Study of the Postoperative Outcomes of Thoracic Epidural Analgesia in Patients Undergoing Coronary Artery Bypass Graft Surgery

Reema Meena, MD

(SCA069) Evaluation of Transesophageal Echocardiography Findings to Predict Patients Hemodynamic Status on Cardiopulmonary Bypass

Melinda Eshelman, MD; Kelly Quatman, MD; Melissa McCabe, MD; Ryan Lauer, MD; Michael Benggon, MD; Matthew Alschuler, BS; Matthew Holsclaw, MD; Davinder Ramsingh, MD

(SCA070) Laryngeal Mask Airway for Transfemoral Transcatheter Aortic Valve Replacement

Shara Azad, MD; Frederick Cobey, MD; Ann Connors, RN; David Moss, MD; Andrew Weintraub, MD; Yong Zhan, MD; Hassan Rastegar, MD

(SCA071) Comparative Study of Sevoflurane Versus Desflurane on Hemodynamics in Coronary Artery Bypass Grafting

Indu Verma, MD

Scientific Program Poster Presentations: Session 2

Echocardiography, Perioperative Medicine, Quality Improvement

MONDAY, MAY 20 | 12:30–1:30 PM

(SCA072) Evaluation of Right Ventricular Systolic Function Acutely After Elective Cardiac Surgery: A 3D Echocardiography Feasibility Study

Lisa Rong, MD; Robert Sickeler, MD; Maria Chiara Palumbo, BMS; Mario Gaudino, MD

(SCA073) Feasibility of 3D Echocardiographic Assessment of Left Ventricular Dynamics in a Porcine Model of Ex Vivo Heart Perfusion

Mbadjeu Hondjeu Arnaud Romeo, MD; Roberto Roberto, MD; Joshua Q. Hiansen, MSc; Meineri Massimiliano, MD

(SCA074) Structural Mitral Valve Reserve Function in Nonregurgitant Mitral Valves

Feroze Mahmood, MD; Robina Matyal, MD; Yanick Baribeau, BS; Eitezaz Mahmood, BA; Kamal Khabbaz, MD

(SCA075) Echocardiographic Assessment of Mitral Valve Opening Area During Percutaneous Mitral Valve Repair: Is There a Role for 3D Color?

Alina Khurgeel; Kei Togashi, MD; Mark Reisman, MD; G. Burkhard Mackensen, MD

(SCA076) Two-Dimensional Versus Three-Dimensional Echocardiographic Assessment of Mitral Valve Area After Percutaneous MitraClip Procedure

Rishi Kumar, MD; Stanton Shernan, MD; Douglas Shook, MD; Charles Nyman, MBBCh; Kara Fields, MS; Sergey Karamnov, MD

(SCA077) Echocardiographic Predictors of Intraoperative Right Ventricular Dysfunction: A 2D and Speckle Tracking Echocardiography Study

Ibrahim Warsame, MD; Lisa Rong, MD; Jiwon Kim, MD; Maria Chiara Palumbo, BMS; Gabriel Arguelles, BA; Mario Gaudino, MD; Christiane Abouzeid, MD; Brian Yum, MD

(SCA078) TEE Skill Acquisition Trajectories Among Cardiothoracic and Critical Care Anesthesiology Fellows

Molly Amin, MD; Benjamin Andrew, MHS; Anne Cherry, MD; Brandi Bottiger, MD; Alina Nicoara, MD

(SCA079) Automated Spectral Doppler Profile Tracing: Reliably Improving Efficiency in the Operating Room

Andre Gosling, MD; Jamel Ortoleva, MD; Frederick Cobey, MD

(SCA080) Intraoperative Use of 2D-Diastolic Speckle Tracking Echocardiography (STE) for Early Detection of Regional Diastolic Dysfunction Secondary to Segmental Coronary Artery Disease: The Correlation Between Early Diastolic Strain Rate Parameters, Including Peak Strain Rate (SRE) and Time to Peak (TTPSRE), and the Severity of Coronary Artery Stenosis Measured by Coronary Artery Angiography in Patients Undergoing Coronary Artery Bypass Grafting

Farzad Ebrahimi, MD; Saman Ahmadi, MD; Vaheh Petrossian, MD; Joseph Capone, DO

(SCA081) Comparison of Transesophageal Echocardiography Artificial Intelligence Software Versus Computed Tomography for Measurement of Aortic Valve Annulus for Transcatheter Aortic Valve Replacement

Richard Thalappillil, MD; Yong Zhan, MD; Sophie Wells, MD; Feroze Mahmood, MD; Frederick Cobey, MD

(SCA082) Evaluation of Right Ventricular Contraction Pattern in Patients Undergoing Pulmonary Thromboendarterectomy

Etienne Couture, MD; Vipin Mehta, MD

(SCA083) Diastolic Dysfunction and Postoperative Outcomes After Noncardiac Surgery

Mark Willingham, MD; Samir Al-Ayoubi, MD; Michael Doan, MD; Theodora Wingert, MD; Jennifer Scovotti, MA; Jacques Neelankavil, MD

(SCA084) Assessment of Left Ventricular Twist/Torsion During Perioperative Aortic Valve Replacement

David Kohanchi, MD; Stanton Shernan, MD; Gabriela Querejeta Roca, MD

(SCA085) Speckle-Tracking Based Assessment of Early Diastolic Mitral Annular Velocity

Eckhard Mauer mann, MD; Michael Vandenheuvel, MD; Stefaan Bouchez, MD; Patrick Wouters, MD

(SCA086) Validating Transesophageal Echocardiographic Measurements of Right Ventricular Function

Adrian Fischl, MD; Theodore Cios, MD; John Klick, MD; Shayne Roberts, DO

(SCA087) TEE Image-Based Questions on Smartphone App Improves Resident TEE Knowledge

Regina Linganna, MD; Saumil Patel, MD; Jared Feinman, MD; Jeremy Kukafka, MD; Lourdes F. Al Ghofaily, MD; Audrey Spelde, MD; John Augoustides, MD; Elizabeth Zhou, MD; Stuart Weiss, MD; Emily Mackay, DO

(SCA088) Extrathoracic Hemorrhagic Shock Diagnosed by Rescue TEE: Case Series

Tomas Carvajal, MD; Nikhil Kumar, MD

(SCA089) Intraoperative Right Ventricle Free Wall Strain by Speckle Tracking Echocardiography: Comparison to Tricuspid Annular Plane Systolic Excursion and Fractional Area Change

Sanjay Dwarakanath, MD; Christopher Denny, MD; Harish Ram, MD; Kevin Hatton, MD; Arnold Stromberg, PhD; Leon Su, BS

(SCA090) Cardiac Output Response to Fluid in Elderly Surgical Patients With Left Ventricular Diastolic Dysfunction

Sasha Shillcutt, MD; Thomas Schulte, MD; Chantal Mercier Laporte, MD; Tara Brakke, MD; Katie Goergen, MD; Walker Thomas, MHPIT; Lace Sindt, RN; Elizabeth Lyden, MS; M. Megan Chacon, MD

(SCA091) Focused Cardiac Ultrasound (FoCUS) Before and After a Transfemoral Transcatheter Aortic Valve Implantation (TF-TAVI)—A Case Series, Single-Center Observational Study

Sridhar Musuku, MD; Joanne Barlin, MD; Saroj Pani, MD; Asim Raja, MD

(SCA092) Transesophageal Echocardiography Evaluation of the Inspiris Resilia Aortic Valve

Adam Dalia, MD; Jerome Crowley, MD

(SCA093) Aortic Pseudoaneurysm Coil Migration: A Case Report

Michael Moran, MD; Faraz Mahmood, MD; Robert Dematteo, MD; Sohail Mahboobi, MD

(SCA094) Papillary Muscle Entrapment With Left Ventricular Outflow Tract (LVOT) Obstruction During Transseptal Valve-in-Ring Mitral Valve Replacement

Andaleeb Ahmed, MD; John Mitchell, MD; Roger Laham, MD; Feroze Mahmood, MD; Ruby Feng, BA

(SCA095) Intraoperative Echocardiography for the AccuCinch: A Percutaneous Ventriculoplasty Device for Functional Mitral Regurgitation

Christopher Ma, MD; James Anton, MD

(SCA096) Transcatheter Pulmonic Valve-in-Valve Insertion With Embolisation to the Pulmonary Artery

Erin McCabe, MBBS

(SCA097) Insurance Status and Socioeconomic Markers Affect Readmission Rates in Cardiac Valve Surgeries

T. Robert Feng, MD; Marguerite Hoyerl, MD; Xiaoyue Ma, MSc; Robert White, MD

(SCA098) Type I Diabetes Mellitus Is Associated With Chronic Postsurgical Pain Following Cardiac Surgery

Ian Kelly, BS; Amanda Fox, MD; Stanton Shernan, MD; Simon Body, MD; Jochen Muehlschlegel, MD

(SCA099) Persistent Opioid Use Following Cardiac Surgery

Jennifer Smith, MD; Ian Kelly, BS; Jochen Muehlschlegel, MD; Martin Sigurdsson, MD

(SCA100) Antiplatelet Therapy Early After CABG Surgery: How Surgical Culture Trumps Evidence-Based Medicine

Chase Culver, MD; Keith Warner, MD; Mabel Wai, PharmD; Robert Schonberger, MD; Michael Dewar, MD; Manuel Fontes, MD

(SCA101) Adherence to the Joint Commission and Centers for Medicare & Medicaid Services Guidelines for ACEI/ARBs Therapies in Cardiac Surgery

Keith Warner, MD; Chase Culver, MD; Robert Schonberger, MD; Mabel Wai, PharmD; Arnar Geirsson, MD; Manuel Fontes, MD

(SCA102) Incorporating Perioperative Point-of-Care Ultrasound as Part of the Anesthesia Residency Curriculum

Jose Navas, MD; Joseph Sanders, MD; Derrick Williams, MD; Jayakar Guruswamy, MD; Nicholas Yeldo, MD

(SCA103) Improved Outcomes Following Transversus Thoracis Plane Block in Cardiac Surgery Patients Undergoing Median Sternotomy: A Retrospective Study

Jeffrey Cardinale, MD; Ryan Latimer, MD; Yana Bukovskaya, PharmD; Jason Falterman, MD; Jay Trusheim, MD

(SCA104) Diastolic Right Ventricular Pressure Gradient in Cardiac Surgery

Lars Groenlykke, MD; Etienne Couture, MD; Francois Haddad, MD; Myriam Amsallem, MD; Hanne Berg Ravn, MD; Meggie Raymond, MD; William Beaubien-Souligny, MD; Philippe Demers, MD; Antoine Rochon, MD; Yoan Lamarque, MD; Georges Desjardins, MD; André Denault, MD

(SCA105) CT-Measured Psoas Muscle Density as a Predictor of Outcomes in Transcatheter Aortic Valve Replacement

Alberto Furzan, MD; Frederick Cobey, MD; Ann Connors, RN; Andrew Weintraub, MD; David Moss, MD; Yong Zhan, MD; Prakash Patel, MD; Hassan Rastegar, MD; Ruben Azocar, MD

(SCA106) Use of Common Carotid Intima-Media Thickness Measured by Ultrasound Echo-tracking in Cardiovascular Risk Stratification Before Noncardiac Surgery in Low-Risk Category: A Research Idea

Srinivas Mantha, MD; Sudha Lakshmi Tripuraneni, MD; Lee A Fleisher, MD; Michael Roizen, MD

(SCA107) Ultra Short Term Heart Rate Variability as a Predictor of Transcatheter Aortic Valve Replacement Outcomes: A Retrospective Case Controlled Study

Edward Hong, MD; Ebenezer Tolman, BS; Eric Ursprung, MD; Frederick Cobey, MD

(SCA108) Postoperative Pain Management Post-Esophagectomy: Thoracic Epidural Versus Regional Anesthesia Using Liposomal Bupivacaine Injection

Daniel Haines, MD; Susheel Govindan, MD; Sajjan Gayam, MD; Nirmal Veeramachaneni, MD; Fernando Mujica, MD

(SCA109) The Effects of Immediate Postoperative Extubation on the Incidence of Acute Kidney Injury in Cardiac Surgical Patients

Matthias Heringlake, MD; Hauke Benhöfer, MD; Christian Schmidt, MD; Simon Schemke; Bence Bucsky, MD; Astrid Ellen Berggreen, MD

(SCA110) Evaluation of Postoperative Outcomes in Patients with Preoperative Dental Clearance—An Observational Report

Jacob Lurie, MPH; Marc Casale, BSc; Maryna Khromava, BS; George Silvay, MD

(SCA111) Perioperative Statin Use in Smoking and Nonsmoking Patients

Danielle McGlynn, MD; Robert Schonberger, MD

(SCA112) Anesthesiologists' Influence on Hemoglobin A1c Trajectory in Diabetic Coronary Artery Bypass Graft Patients

Nakul Kumar, MD; Nathaniel Borochoy, BA; Singh Nair, PhD; David Adams, MD; Jonathan Leff, MD

(SCA113) Successful Management of Minimally Invasive Cardiac Surgery Without Re-expansion Pulmonary Edema

Takahiro Tamura, MD; Kimitoshi Nishiwaki, MD

(SCA114) Epidemiologic Study of Development of End-Stage Renal Disease After Cardiac Surgery

Zdenko Povicic Cevra, MD; Nikola Bradić, MD; Sandra Mihel, MD

(SCA115) Relationship Between Neighborhood Disadvantage and Coronary Artery Bypass Surgery Outcomes in a National Veterans Affairs Cohort

Eric John Bull, MD; Marc Pepin, PharmD; William Bryan, PharmD; Robert Overman, PhD; Nazish Hashmi, MD; Karthik Raghunathan, MD; Atilio Barbeito, MD

(SCA116) Opioid Consumption by 187 Patients Following Cardiac Surgery

Hugo Clifford, MD; Joseph Pena, MD; Chen Chung-Jen, BS; Ruth Landau, MD; Marie-Louise Meng, MD

(SCA117) Single Unit RBC Transfusions in Cardiac Surgery: Where These “Near Misses” Occur and Some Associated Potentially Modifiable Factors

Roman Sniecinski, MD; William Qu, BA; Korrin Scott, MD; Brent Keeling, MD

(SCA118) The Representation of Women Lecturers at the SCA Annual Meeting 2015–2018

Sara Foulke, MD; Kristi Lorenzen, MD; Sasha Shillcutt, MD

(SCA119) International Survey on the Current Use of Cardiovascular Emergency Medications in Adult Cardiovascular Anesthesia

Victor Neira, MD; Derek Wong, MD; Vivian Wang, MD; Matthias Scheffler, MD

(SCA120) Can a Goal-Directed Transfusion Protocol Reduce Transfusion in Lung Transplantation With and Without Mechanical Circulatory Support? Preliminary Results

Angela Pollak, MD; Brandi Bottiger, MD; Mary Cooter, MS; Matthew Hartwig, MD; Jessica Poisson, MD; Jacob Klapper, MD; Benjamin Bryner, MD; Theresa Seay, MD; Ian Welsby, MBBS; Lorenzo Zaffiri, MD; Nazish Hashmi, MD

(SCA121) Abnormal Serum Phosphorus Level and Clinical Outcome of Coronary Artery Bypass Grafting

Jungchan Park, MD; Jong-Hwan Lee, MD; Ah Ran Oh, MD; Soo Jung Park, MD; Ji-Hye Kwon; Yoon Joo Chung

(SCA122) Patient Blood Management in Cardiac Surgery: Not Just in the Operating Room

Nadia Hensley, MD; Mereze Visagie, BA; Brian Cho, MD; Glenn Whitman, MD; Chun Choi, MD; Steven Frank, MD

(SCA123) Evaluation of Clinical Impact of Noninvasive Hemodynamic Monitoring to Optimize Preventative Care of Heart Failure Patients

Davinder Ramsingh, MD; Taysir Awad, MD; Jason Gatling, MD; Gerald Matthews, MD; Benjamin Herzel, MS; Matthew Holsclaw, MD; Steven Zane; Ryan Lauer, MD

(SCA124) Changing Trends in Blood Transfusion During Transcatheter Aortic Valve Replacement

Prakash Patel, MD; Jake Rosen, BA; Elizabeth Walsh, RN; John Augoustides, MD

(SCA125) Factors Decreasing ICU Handoff Efficiency Following Cardiac Surgery: An Observational Study

Tanya Richvalsky, DO; Saad Rasheed, MD; Jennie Ngai, MD

(SCA126) Creating a Relaxing Nook in a Busy Cardiovascular Anesthesia Office Suite to Combat Clinician Burnout

Rosanne Sheinberg, MD

Scientific Program Poster Presentations: Session 3

Case Reports, Coagulation, Critical Care, Structural Heart Disease

TUESDAY, MAY 21 | NOON–1 PM

(SCA127) Surgical Thrombectomy and Intraoperative tPA Administration for Thrombus-in-Transit Across a PFO

Thomas Krall, MD; Catherine Chiu, MD; Revati Nafday, MD

(SCA128) A Ghost in the Heart

Michael Beshara, MD; Shvetank Agarwal, MD

(SCA129) Anoxic Brain Injury Following Carotid Artery Puncture and Tricuspid Valve Repair

Roshan Babu, MD; Carey Pilo, DO

(SCA130) Cross-Field Ventilation for Treatment of Harlequin Syndrome in Traumatic Tracheobronchial Injury Repair Using Intraoperative Venoarterial Extracorporeal Membrane Oxygenation

Jaeyoon Chung, MD; Mark Berguson, MD; Andrew Mendelson, DO; Rebecca Barnett, MBChB; Eric Schwenk, MD; Nathaniel Evans, MD; Jordan Goldhammer, MD

(SCA131) TEE Guidance During Pulmonary Stenosis Veins Dilation in a Child With Previous Sutureless Pulmonary Vein Surgery

Genevieve Cote, MD; Melissa Colizza, MD

(SCA132) A Novel Use of Intraoperative Transesophageal Echocardiography to Identify an Intra-aortic Foreign Body

Annabelle Levine, MD; Aaron Hudson, MD

(SCA133) Transcatheter Caval Valve Implantation: A Novel Approach to Treatment of Severe Tricuspid Regurgitation

Melissa Burger, MD; Albert Robinson, MD

(SCA134) Takotsubo Syndrome in a Young Girl Following Orthopedic Surgery

Stefano Casella, MD; Carla Paolini, MD; Claudio Bilato, MD

(SCA135) A Case of Prosthetic Valve Endocarditis Complicated by Perivalvular Abscess and Left Ventricular Outflow Tract-Pseudoaneurysm Fistulization

Annabelle Levine, MD; Suraj Parulkar, MD

(SCA136) Use of the Impella as an Adjunct in Transcatheter Aortic Valve Replacement for Patients With Significantly Compromised Left Ventricular Function

Yiu-Hei Ching, MD

(SCA137) Trimodal Preoperative Physiological Challenge and Anesthetic Management of Giant Ovarian Cystadenoma

Lachlan Miles, MBBS; Shervin Tosif, MBBS; Chong Tan, MBBS; Michael Fink, MBBS; Laurence Weinberg, MD

(SCA138) Dilemma of High Gradients in a Normally Functioning Prosthetic Valve

Feroze Mahmood, MD; Yanick Baribeau, BS; Daawar Chaudhry, BA; Ruby Feng, BA; Louis Chu, MD; Robina Matyal, MD

(SCA139) Aorto-Left Atrial Fistula—A Diagnostic and Therapeutic Challenge

Tanaya Sparkle, MBBS; Muoi Trinh, MD

(SCA140) Carcinoid Heart Disease Requiring Tricuspid and Pulmonic Valve Replacement

Edmond O'Brien, MD

(SCA141) Mechanical Circulatory Support With Impella Device in Patient With Severe Coronary Artery Disease and Cardiogenic Shock During High-Risk Coronary Artery Bypass Graft

Ettore Crimi, MD

(SCA142) Lung Damage in Patients Resuscitated With LUCAS Device

Stefano Casella, MD; Vito Cianci, MD; Maurizio Lestani, MD; Silvio Marafon, MD; Stephanie Simioni, MD

(SCA143) Successful Management of Malignant Hyperthermia After Orthotopic Heart Transplant—Atypical Presentation, Cardiomyopathy, and Rhabdomyolysis

Giselle Helo, MD; Robert Brooker, MD; Lance Cohen, MD; Mark Korenke, MD; Frank Scholl, MD

(SCA144) Acute Pulmonary Embolism Leading to PEA Successfully Treated With TPA in a Liver Transplant Patient Undergoing ERCP

Gloria Rodriguez, MD; Santiago Luis, MD; Meagan Babyak, CAA

(SCA145) Case Report of Intraoperative Hypoxemia Pre-bypass for AVR and CABG: Bronchoscopy Finds an Unusual Tumor

Victor Neira, MD; Daniel Altman, MD

(SCA146) Anesthetic Considerations in a Patient With Mass Effect From Severe Native Lung Hyperinflation During Lung Transplantation

Robert Morris, MD; Shonali Pawar, MD; Chad Talarek, MD

(SCA147) Unusual Location of Papillary Fibroelastoma in the Right Atrium: A Case Report

Andrea Farela, MD; Rafael Cabrales, MD

(SCA148) The Effects of SANGUINATE® (PEGylated Carboxyhemoglobin Bovine) on Hemostasis

Akeel Merchant, MD; Emily Gundert, MD; Nicole De Simone, MD; Steven Hill, MD

(SCA149) Thromboelastographic Changes During Surgery for Malignant Pleural Mesothelioma

Devon Flaherty, MD; Ju-Mei Ng, MD

(SCA150) Laboratory Tests and Thromboelastography as Predictors of Early Postoperative Bleeding Following CABG

Matthew Betz, DO; Stephanie Cha, MD; Vincent DeMario, BS; Elizabeth Uhlig, BA; Charlie Slowey, MBBS; James H. Abernathy III, MD; Steven Frank, MD; Brian Cho, MD

(SCA151) Use of Solvent/Detergent-Treated Pooled Plasma for the Management of Pediatric Patients Who Require Replacement of Multiple Coagulation Factors

Trupti Shah, PharmD BCPS; Philip Spinella, MD; Santiago Borasino, MD; Jeffrey Alten, MD

(SCA152) The Association of Increased FFP: RBC Transfusion Ratio With Primary Graft Dysfunction in Bleeding Lung Transplantation Patients

Theresa Seay, MD; Yasmin Maisonave, MD; Matt Fuller, MS; Jessica Poisson, MD; Angela Pollak, MD; Benjamin Bryner, MD; Jacob Klapper, MD; Matthew Hartwig, MD; Brandi Bottiger, MD; Nicole Guinn, MD

(SCA153) Predictive Modeling of 30-Day Mortality Using Two Disseminated Intravascular Coagulation Scoring Systems After Extracorporeal Membrane Oxygenation and Cardiopulmonary Bypass

Robert Call, MD; Jerrold Levy, MD; Matthew Fuller, MS; Mani Daneshmand, MD; Ian Welsby, MBBS; Kamrouz Ghadimi, MD

(SCA154) Case Report: Management of Heparin-Induced Thrombocytopenia for Inferior Vena Cava Thrombectomy Under Hypothermic Circulatory Arrest

Nicole Webb, MD; Rosaleen Chun, MD; MHSc, Farheen Manji, MD; Adrienne Lee, MD

(SCA155) Plasma Exchange Therapy for Heparin Induced Thrombocytopenia in Cardiac Surgery: Outcomes

Ingrid Moreno Duarte, MD; Kamrouz Ghadimi, MD; Mary Cooter, MS; Ian Welsby, MBBS

(SCA156) Increased Mean Platelet Volume, Thrombocytopenia, and Platelet Transfusions—A Retrospective Cohort Analysis Demonstrating Increased Mortality in High Risk Cardiac Surgery Patients

Joseph Morabito, DO; Nathan Clendenen, MD; Kevin Donnelly, MD

(SCA157) The Difference of Coagulation Function by Administering FFP Before or After Separating From Cardiopulmonary Bypass

Takahiro Tamura, MD; Kimitoshi Nishiwaki, MD

(SCA158) Preoperative Thromboelastography as a Predictor of Transfusion Requirements in the Cardiac Surgical Patient

Michael Grinn, MD; Claudia Komer, DO; Harish Nandigam, MD; Linda Hormozi, MD; Nilesh Patel, MD; John Klobus, CCP

(SCA159) Determining the Utility of AT3 Assay in Era of Value-Based Service

Muhammad Salman Janjua, MD; Amanda Crosby, CCP; Vaibhav Bora, MBBS; Nadine Odo, BA; Arthur Mary, MD

(SCA160) Comparison of INR Determined by Point-of-Care to Standard Laboratory Testing Before and After Reversal of Heparin in Cardiac Surgery

Miguel Abalo, MD; Michael Fabbro, DO

(SCA161) Can Neutrophil Predict Bleeding in Patients Undergoing Coronary Artery Bypass Grafting?

Xiaojie Liu, MD; Wenyuan Zhang, MD; Lijuan Wang, MS; Sudena Wang, MD; Yang Yu, MD; Hushan Ao, MD

(SCA162) Intraoperative Assessment of Coagulation During Cardiac Surgery Using the Quantra® System and QPlus® Cartridge

Todd Allen, BS; Francesco Viola, PhD; Deborah Winegar, PhD

(SCA163) Use of Bivalirudin for Anticoagulation in a Patient With HIT Undergoing Pulmonary Thromboendarterectomy With Deep Hypothermic Circulatory Arrest

Karuna Puttur Rajkumar, MD; Felipe Edghill, MD; Amy Gorgy, MD

(SCA164) Predicting Risk for Readmission to Cardiac Surgery Intensive Care: External Validation of the APPROACH Risk Prediction Model

Alexandra Föttinger, BM BCh; Hanah Lamothe Kipnes, Bsc; Vynka Lash, MD

(SCA165) Gender-Related Differences in Passive Leg Raise Prediction of Tolerance to Simulated Hemorrhage in Healthy Subjects

Hesham Ezz, MD; Aymen Alian, MD; Paul Heerd, MD

(SCA166) Vasodilatory Shock: Can Virtual Patient Simulation Improve Management?

Amy Larkin, PharmD; Stacey Hughes, PharmD; Martin Warters, CHSE MA; Gwen Littman, MD

(SCA167) Predictors of Mortality in Central Line Associated Blood Stream Infection (CLABSI) Following Cardiothoracic Surgery

Kanagarajan Natarajan, MD

(SCA168) A Pressure-Based Method for Estimation of Right Ventricular Ejection Fraction: Pilot Studies in Models of Pulmonary Arterial Hypertension and Pulmonic Stenosis

Paul Heerd, MD; Sofia Charania, BA; Stephanie Thorn, PhD; Albert Sinusas, MD

(SCA169) Percutaneous Closure of Left Atrial to Left Ventricular Fistula

Feroze Mahmood, MD; Faraz Mahmood, MD; Yanick Baribeau, BS; Daawar Chaudhry, BA; Roger Laham, MD; Robina Matyal, MD

(SCA170) Unique Presentation of a Gigantic Bronchogenic Cyst Causing Acute Coronary Syndrome

Chris Parsons, MD; Chen B. Zhao, DO; Victoria Knott, DO; Jiapeng Huang, MD

(SCA171) Improvement in Left Ventricular Global Longitudinal Strain After Percutaneous Ventriculoplasty in Patients With Heart Failure

Flora Li, MD; Mark Reisman, MD; Creighton Don, MD; G. Burkhard Mackensen, MD; Christina Tan, MD

(SCA172) Three-Dimensional Echocardiography for Sizing in Transcatheter Aortic Valve Replacement—A Systematic Review and Meta-analysis

Lisa Rong, MD; Irbaz Hameed, MD; Mohamed Rahouma, MD; Mario Gaudino, MD; Massimiliano Meineri, MD

(SCA173) Safety of Ketamine Use During Monitored Anesthesia Care for Transcatheter Aortic Valve Replacement

Brian Zhao, DO; Jiapeng Huang, MD; Victoria Knott, DO; Christopher Parsons, MD

(SCA174) Perioperative Cardiac Arrest in Transcatheter Aortic Valve Replacement

Victoria Knott, DO; Christopher Parsons, MD; Jiapeng Huang, MD; Brian Zhao, DO

(SCA175) Intraoperative Nasal, Bladder, and Blood Temperature Changes During Cardiac Surgery

Roshan Babu, MD; Jiapeng Huang, MD

Fellow and Resident Complex Case Presentations

COMPLEX CASE DISCUSSION WITH EXPERT PANEL

SATURDAY, MAY 18 | 4-5 PM

(F001) Cooler Than ICE: Right Atrial Epicardial Echocardiography for Atrial-Esophageal Fistula Repair

Jen Chang, MD, Per Wierup, MD, Anand Mehta, MD

(F002) Andexanet Alfa for Urgent Reversal of Apixaban Prior to Aortic Surgery Requiring Cardiopulmonary Bypass: A Case Report

Devon Flaherty, MD, Lauren Cornella, MD

(F003) Crashing Off Bypass: A Case Series of Oxygen Delivery Failure on Cardiopulmonary Bypass

Leigh Hickerson, MD, Natalia Martinez Acero, MD

(F004) Double-Chambered Right Ventricle, A Rare Disease but Commonly Missed Diagnosis

Amjad Najim, MD, John Steib, DO, Daniel Wyler, MD

Complex Case Poster Presentations: Session 1

SATURDAY, MAY 18 | 11 AM-NOON

(F005) Three's a Crowd: Acute Heart Failure Due to Late Transcatheter Aortic Valve Migration Into the Left Ventricular Outflow Tract Treated With a Valve-in-Valve-in-Valve Procedure

Kelly Tankard, MD; Raymond Malapero, MD; Tsuyoshi Kaneko, MD; Pinak Bipin Shah, MD; Lauren Cornella, MD

(F006) Anesthetic Management of Carcinoid Syndrome During Tricuspid Valve Repair

Tarek Radwan, DO; Joseph Schoenfeldt, MD; Meha Bhargava, MD; Michael Dishart, MD

(F007) Aortic Annulus Rupture and Iliac Artery Perforation Resulting in Intraoperative Death During TAVR

Graham Berry, MD; Feroze Mahmood, MD

(F008) Restrictive Cardiopulmonary Management: A Case of Degos Syndrome

Zuhair Siddiqui, MD; Jacob Schaff, MD; Aaron Mittel, MD

(F009) Right Subclavian Artery to Brachiocephalic Vein Arteriovenous Fistula Following Central Line Placement

Mohammed Al-Samirai, MD; Galina Leyvi, MD

(F010) Transesophageal Echocardiography for Thoracic Endovascular Aortic Repair of Stanford Type A Aortic Dissection

Vincent Reformato, MD; Michael Mazzeffi, MD

(F011) Coronary Artery Bypass Grafting in the Setting of Massive Coronary Artery Aneurysms

Kevin Loh, MD; Anna Dubovoy, MD

(F012) Intraoperative V-V ECMO for Noncardiac Surgery

Nicholas Daprano, DO; Carlos Trombetta, MD

(F013) A Rapid Decline in Ejection Fraction: Unanticipated Progression of Severe Valvular Disease or Acute Physiologic Insult?

Nasir Khatri, MD; Alan Smeltz, MD; Lavinia Kolarczyk, MD; John Ikonomidis, MD; Hadley Wilson, MD

(F014) Cesarean Section in a Parturient With a Single Ventricle and Pulmonary Emboli

Jeremy Laney, MD; Susan Alvarez, MD; Joshua Ng, MD

(F015) Pulmonary Thromboendarterectomy Combined With Extensive Surgical Resection for Renal Cell Carcinoma

Muhammad Fayyaz Ahmed, MD; Matthew Troum, DO; Gordon Morewood, MD

(F016) Intraoperative Pulmonary Embolism Diagnosed by Rescue Transesophageal Echocardiography in a Morbidly Obese Patient Undergoing Orthopedic Surgery Following Motor Vehicle Crash

Patrick Lam, MD; Adam Milam, MD; Eric Ley, MD; Omar Durra, MD

(F017) Do We Need TEE Evaluation Before Decannulation of VV-ECMO?

Vlachaslau Koushyk, MD; J. Ross Renew, MD; Eduardo Rodrigues, MD

(F018) Withdrawn

(F019) Anesthetic Management of a Parturient With a Mediastinal Mass

Brian Butala, DO; David Broadbent, MD; Rachael Gryta, DO

(F020) Post-Cardiopulmonary Bypass Ventricular Septal Defect After Aortic Valve, Ascending, and Aortic Arch Replacement in a Patient With Idiopathic Thrombocytopenic Purpura, Bicuspid Aortic Valve, and Kommerell Diverticulum

Caitlin Bradley, MD; Andrea Corujo-Rodriguez, MD

(F021) Severe Mitral Valve Thrombosis Immediately Following Replacement After a Papillary Muscle Rupture

Sara Foulke, MD; M. Megan Chacon, MD; Kristi Lorenzen, MD

(F022) TPA Administration in LVAD Patient for Management of CVA Following VT Ablation

Daniel Garcia, MD; Sujatha Ramachandran, MD

(F023) The Use of Angiotensin II in a Jehovah's Witness Undergoing Thoracic Surgery

Connie Lin, MD; Eric Heinz, MD; Kyung-Min Lee, MD candidate; Gregory Trachtotis, MD; Silviu Diaconu, MD

(F024) Transcatheter Aortic Valve Replacement: A Feasible Treatment for Aortic Insufficiency Associated With a Ventricular Assist Device

David Moore, MD; Adam Weinstein, MD

(F025) Malignant Middle Cerebral Artery Infarction Following Coronary Artery Bypass Grafting

Joseph Cody, DO; Daniel Cormican, MD

(F026) CSE for Cesarean Section in a Parturient with Ebstein's Anomaly

Sultana Peffley, MD; Michelle Dacosta, MD

(F027) Impella Device as a Left Ventricular Vent During Peripheral Venoarterial Extracorporeal Membrane Oxygenation: Friend or Foe?

Ashley Budd, MD; Aaron Reynolds, MD

(F028) This Isn't a Game: Mitral Arcade as an Etiology of Severe Valvular Disease

Ashley Fritz, DO; Archer Martin, MD

(F029) Rare Case of a Second Primary Cardiac Tumor in a 35-Year-Old Man

Hemanckur Makker, MD; Vanessa Moll, MD; Ratna Vadlamudi, MD

(F030) Transcatheter Tricuspid Repair—A Case Report and Overview of the First Tricuspid Cardioband Procedure in the United States

Christopher Racine, MD; Scott Lim, MD; John McNeil, MD

(F031) Intraoperative Diagnosis of Pulmonary Vein Torsion After Lung Transplantation

Jonathan Tang, MD; Galina Dimitrova, MD; Sujatha Bhandary, MD

(F032) Transapical Cannulation for Type A Dissection

Marisa Pappas, MD; Jay Trusheim, MD

(F033) Repeat Atrial Septal Device Closure Attempt With Intraoperative TEE Guidance in a Transplanted Heart

Sophie Yang, MD; Mandanisa Chinyadza, MD; Tiffany Otero, MD; Michelle Dacosta, MD MBA

(F034) Systolic Anterior Motion of the Mitral Valve Complicating Post-Lung Transplant Management

Revati Nafday, MD; Wendy Smith, MD; Kevin Thornton, MD

(F035) Aortic Regurgitation in the Setting of Sub-Aortic Membrane: A Clinical Quandary

Ashley Taylor, MD; Justice Mushonga, MD; Ahmad Itani, DO

(F036) Hybrid Management of a Type A Dissection in a Patient with Complex Cardiac Comorbidities

Allison Janda, MD; Jennifer Vance, MD

(F037) Iatrogenic Atrial Septal Defect Post MitraClip—A Case for Delayed Closure

Samantha Ali, MD; Ratna Vadlamudi, MD

(F038) Support of an Impella-Dependent Patient During Valve-in-Valve Transapical Mitral Replacement

Cole Helm, MD; Thuan Ho, MD

(F039) Transatrial Tricuspid Valve Replacement With the NaviGate Valved Stent in a Patient With a Dual-Chamber Pacemaker

Dillon Meier, MD; Andrej Alfirevic, MD; Anand Mehta, MD

(F040) An Unexpected Unroofed Coronary Sinus Atrial Septal Defect Causing Right Ventricle Overload: Anesthetic Considerations

Ammar Siddiqui, MD; Sapan Shah, MD; Tarif Chowdhury, MD; Yefim Vilnits, MD

(F041) Mediastinal Mass With Tracheal Compression and Superior Vena Cava Infiltration

Sawyer Naze, MD; Aaron Reynolds, MD; Alexander Service, MD

(F042) Perioperative Management of a Patient With an Undiagnosed Ruptured Left Atrial Appendage Due to Blunt Trauma

Brittany Anderson, MD; Rohesh Fernando, MD

(F043) LVAD Positioned in Right Ventricular Apex Resulting in Ventricular Septal Defect

Luke Doney, DO; Elizabeth Ungerman, MD; Theresa Gelzinis, MD; Kathirvel Subramaniam, MD; Rakesh Hulimangala, MD

(F044) Right Ventricular Failure Relieved by Thoracic Suspension Using Syringe and Urinary Catheter Bag

Michael Syper, DO; Hulimangala Rakesh, MD; Theresa Gelzinis, MD

(F045) VAD Implantation as Bridge to Transplantation for Congenitally Corrected Transposition of the Great Arteries After Extracardiac Fontan

Dylan Addis, MD; Benjamin Tuck, MD; Michelle Downing, MD

(F046) The Blowfish Aorta: A Giant Ascending Aorta Pseudoaneurysm

Jacquelin Cunningham, MD; Ovidiu Moise, MD; Stephanie Tran, MD

(F047) Hemodynamically Significant Systolic Anterior Motion of the Mitral Valve After Aortic Valve Replacement Treated With MitraClip

Danielle Laufer, MD; Jessica Tashjian, MD

(F048) HITING Into a Transcatheter AVR MVR Double Play

Matthew Dorazio, DO; Jordan Goldhammer, MD; Corey Herman, MD

(F049) Sinus of Valsalva Aneurysm as a Rare Cause of Perioperative Stroke: When to Proceed with Cardiopulmonary Bypass

Tarrah Folley, MD; Opal Raj, MD

(F050) Unrecognized Hypertrophic Obstructive Cardiomyopathy Diagnosed During Pulmonary Thromboendarterectomy Using Transesophageal Echocardiography

James Slotto, MD; Swapnil Khoche, MBBS

(F051) Atrioventricular Dissociation in Patient Undergoing Coronary Artery Bypass Grafting, Mitral Valve Replacement, and MAZE Procedure

Brooke Leblanc, MD; Jay Trusheim, MD

(F052) Redo Aortic Root Replacement in a Congenital Heart Disease Patient With Complicated Infective Endocarditis

Patrick Harkins, MD; Blaine Farmer, MD

(F053) Tracheal Injury Complicating Mitral Valve Repair

Rachel Bandi, MD; Ryan Hood, MD

(F054) Iodinated Contrast Induced “Neuro”-toxicity—It’s Not a Humbug!

Jacob Whiting, MD; Archit Sharma, MBBS

(F055) Emergent Off-Pump Coronary Artery Bypass Grafting in a Patient With Polycythemia Vera

Miguel Abalo, MD; Gregory Mickus, MD; Gian Paparcuri, MD

(F056) Pseudoaneurysm of the Mitral-Aortic Intervalvular Fibrosa Independent of Infective Endocarditis or Previous Cardiac Surgery

Ben Jensen, MD; Sean Leach, MD

(F057) Profound Hypotension During Orthotopic Heart Transplant Exacerbated by Riociguat, a Novel Pulmonary Vasodilator

Bennett Roman, MD; Meredith Kingeter, MD; Mias Pretorius, MBChB

(F058) Tricuspid and Mitral Valve Clip

Charles Warren, MD

(F059) Refractory Ventricular Fibrillation Treated With VA-ECMO and Bilateral VADs

Ryan Lefevre, MD; Bret Alvis, MD

(F060) Subvalvular Pseudoaneurysm: Transcatheter Paravalvular Leak Repair

Dan Jacobs, MD; Archit Sharma, MBBS

(F061) Perioperative Considerations for the Management of Complex Aortic Aneurysms

Tanya Richvalsky, DO; Jennie Ngai, MD; Marc Kanchuger, MD

(F062) A Clot to Remember—Diagnosis and Management of Pulmonary Venous Thrombosis in Lung Transplantation

Gregory Mickus, MD; Michael Fabbro, DO

(F063) The Observed Impact of Intraoperative Bivalirudin Based Anticoagulation on Thromboelastography Parameters Compared to Active Clotting Time During Left Ventricular Assist Device Placement

Sean DeGrande, MD; Jennifer Hargrave, DO

(F064) Intraoperative Management of Hyperacute Antibody-Mediated Rejection During Bilateral Lung Transplant

Alexander George, MD; Kelly Mishra, MD; Allyson Lemay, MD

(F065) The Utility of Transthoracic Echocardiogram in a 40-Year-Old Female With Obstructive Hypertrophic Cardiomyopathy Under Neuroaxial Anesthesia for Cesarean Delivery

Mandinanisa Chinyadza, MD; Tiffany Otero, MD; Yan Yang, MD; Michelle Dacosta, MD

(F066) Quadri-Valvular Carcinoid Heart Disease With Quadruple Valve Replacement

Austin Woolard, MD; Ryan Lefevre, MD; Meredith Kingeter, MD; Kara Siegrist, MD

(F067) Aortic Valve Leaflet Avulsion During Transcatheter Aortic Valve Implantation (TAVI): Intraoperative Management and Considerations

Francesca Betti, MD; Moody Makar, MD

(F068) Open Thoracoabdominal Aortic Aneurysm Repair With Acute on Chronic Dissection of Distal Aortic Arch

Brian Alexander, DO; Philip Krapchev, MD

(F069) Intraoperative Transesophageal Echocardiogram Findings and Anesthetic Management of an Ascending Aortic Thrombus

Matthew Gunst, MD; Mark Simpsen, MD; Daryl Reust, MD

(F070) Transesophageal Echocardiography in Diagnosing Complex Post-Myocardial Infarction Pseudoaneurysm and Ventricular Septal Defect

Charles Boland, MD; Jeffrey Green, MD; Samuel Gay, MD

(F071) Resection of a Large Adrenal Mass Extending Into the Right Ventricle With Cardiopulmonary Bypass

John Carey, MD; Yilium Rodriguez-Blanco, MD

(F072) Mold Where? Cunninghamella Epicardial Surface Mold in a Post-transplant Patient

Mrugesh Thakkar, MD; Edward McGough, MD

(F073) Intraoperative Recognition and Management of Left Atrial Dissection During Cardiac Surgery

Michael Gemma, MD; Elizabeth Ungerman, MD; Ricky Harika, MD

(F074) Cesarean Delivery in a Patient Status Post Fontan Procedure for Double Inlet Double Outlet Right Ventricle

Youn-Hoa Jung, MD; Wei Dong Gao, MD; Jochen Steppan, MD

(F075) Valve-in-Valve-in-Valve Rescue Following Embolized Transcatheter Aortic Valve Replacement

Robert Sand, DO MS; Sudhakar Subramani, MD

(F076) A Tale of Two Clots: Intraoperative TEE Finding of Unexpected Aortic Valve Thrombus in a Patient With Pulmonary Emboli

Emma Harmon, MD; Seema Deshpande, MBBS

(F077) Transcatheter Branch Pulmonary Artery Valve Implantation in a Patient With Carcinoid Heart Disease

Qianqian Xu, MD; Kunal Panda, MD; Frederick Ling, MD

(F078) Pre-emptive Alcohol Septal Ablation to Prevent Suicide Left Ventricle Following Transcatheter Aortic Valve Replacement in the Setting of Severe Mitral Stenosis

David Kam, MD; Michael Fabbro, DO; Pankaj Jain, MD

(F079) Cardiac Tamponade in the Setting of Severe Aortic Stenosis: Anesthesia for Pericardial Window

Elliot Harmon, MD; Eric Davies, MD; Sandeep Krishnan, MD

(F080) Christmas Disease and Cardiopulmonary Bypass: More Than Just Factor IX Replacements!

Ranjani Venkataramani, MD; Andra Duncan, MD; Michael Morgan, MD

(F081) A Charmed Bullet Grazes the Arch

Heather Stampfl, DO; Justin Ganz, DO; Walter Bethune, MD; Giuseppe Trunfio, MD

(F082) The Use of Rescue Echocardiography and Ultrasonography for Perioperative Management of a Patient With Type A Aortic Dissection

Shu Lu, MD; Kenneth Shelton, MD

(F083) 3D Color Planimetry to Predict Mitral Stenosis After LVAD Implantation Post MitraClip: A Case Series

Quoc-Sy Nguyen, MD; Swapnil Khoche, MBBS

(F084) Inadequate Venous Flow Affecting Venovenous Bypass During Orthotopic Liver Transplantation

Carlos Perez-Ruiz, MD; Michael Busada, DO; Daniel Cormican, MD; Ali Abdullah, MD

(F085) What's in That Syringe?

Laura Gonzalez, MD; Mark Chaney, MD

(F086) Pulmonary Thromboendarterectomy Requiring Cardiopulmonary Bypass and Deep Hypothermic Cardiac Arrest in a Patient with Congenital Afibrinogenemia

Christine Choi, MD; Timothy Maus, MD

(F087) Pseudo-Cardiac Arrest: More Than One Cause for Loss of Palpable Pulses

Meha Bhargava, MD; Daniel Cormican, MD; Ali Abdullah, MD; Karthik Dwarki, MD; Tarek Radwan, DO

(F088) Psychogenic Visual Loss After Coronary Artery Bypass Graft (CABG) Surgery

John Korona, MD; Rohesh Fernando, MD; Thomas Slaughter, MD

(F089) Simultaneous Transcatheter Mitral Valve Replacement and Surgical Aortic Valve Replacement in a Patient With Severe Mitral Annular Calcification

Giancarlo Suffredini, MD; Lea Jancic, MD; MaryBeth Brady, MD

(F090) Left Atrial Dissection in Marfan's Patient Following Mitral Valve Replacement

Katherine Gordon, MD; Landon Farris, MD; Kirk Jackson, MD; Daniel Tolpin, MD

(F091) Arrhythmogenic Right Ventricular Dysplasia: A Cause of Perioperative Cardiac Arrest

Neil Patel, MD; Johnathan Renew, MD

(F092) Secondary Cold Hemagglutinin Disease Requiring Cardiopulmonary Bypass for Repair of Severe Mitral Regurgitation

Kristin Swenson, DO; Eric Davies, MD; Erik Diaz, MD

(F093) When a Mechanical Mitral Valve Leaflet is Not Opening: A Mechanical or Hydraulic Problem?

Alberto Furzan, MD; Agnieszka Trzcinka, MD

(F094) Management of a Large Right Atrial Thrombus Found Incidentally on Echocardiography in a Patient Presenting With Back Pain

Vivian Doan, MD; Priya Kumar, MD

(F095) Eccentric Aortic Insufficiency Jet Induced Austin Flint Murmur

Daniel Haines, MD; Mark Simpsen, MD

(F096) Double Lung Transplantation in Patient With Combined Variable Immunodeficiency and Anti-IgA Antibodies

Sofiane Lazar, MD; Hulimangala Rakesh, MD; Joshua Knight, MD

(F097) An Uncommon Cause of Cardiovascular Collapse After Cardiac Surgery: Tension Pneumothorax Following the Use of an Airway Exchange Catheter

Mark Berguson, MD; Jordan Goldhammer, MD; Rehana Jan, MD; Rohinton Morris, MD

(F098) Intraoperative Aortic Injury Following Re-initiation of Intra-aortic Balloon Pump

Trevor Taylor, DO; Zahid Merchant, MD; Jia Lin, MD

(F099) Bicuspid Aortic Valvoplasty Complicated by Post-Repair Aortic Valve Stenosis

Junshi Kawakami, MD; Kenichi Ueda, MD

(F100) Atrioesophageal Fistula After Catheter Ablation of Atrial Fibrillation: Anesthetic Implications

Samuel Gay, MD; Aryn Rooney, DO; Michael Buxhoeveden, MD; Nirvik Pal, MD; Charles Boland, MD

(F101) When a Flap Is Not a Dissection

Jared McKinnon, MD; Loren Francis, MD

(F102) TAVR for Acute Aortic Regurgitation Following LVAD Implantation

Sean Dosssett, DO; Matthew Hull, MD

(F103) Cross Clamp Gone Wrong—Echocardiographic Identification to Allow Endovascular Repair

David Lowery, MD; Donn Marciniak, MD

(F104) Intracardiac Thrombosis After Cardiopulmonary Bypass

Sin Yeong An, MD; Nicole Weiss, MD

(F105) Surgical Excision of a Left Atrial Myxoma During the Second Trimester of Pregnancy

John-Henry Harrison, MD; Jennifer Banayan, MD

(F106) Difficult Airway in Morbidly Obese Patient During Emergent Pulmonary Embolectomy

Michael Rubin, MD; Sean Philippo, MD; Brandon Lebow, MD; Wendy Bernstein, MD

(F107) Reporting the First Transcatheter Tricuspid Valve in Valve for Severe Bioprosthetic Tricuspid Stenosis in a Parturient

Mudit Kaushal, MD; Shanna Hill, MD

(F108) Intracardiac Thrombosis on Venoarterial Extracorporeal Membrane Oxygenation: Optimizing Outcomes

Katelyn Devine, MD; John Fox, MD

(F109) Emergent Novel Apical Approach to Pericardial Drain Placement With Real-Time Ultrasound Guidance in an Awake Patient With Postcardiotomy Tamponade

Shravan Cheruku, MD; Mariya Geube, MD; Aaron Douglas, DO

(F110) Unmasked Patent Foramen Ovale After Left Ventricular Assist Device Implantation and Its Sequelae

James Suggs, MD; Emily Teeter, MD; Alan Smeltz, MD; Mark Henry, MD; Lavinia Kolarczyk, MD

(F111) Gerbode Defect After Bioprosthetic Aortic Valve Replacement and Endocarditis

Lee Brewer, MD; T. Everett Jones, MD

(F112) Large Atrial Thrombus and Severe Rheumatic Mitral Stenosis Discovered in a 41-Year-Old Patient From a Developing Country

James Savage, MD; Brandon Smoller, MD

(F113) Intraoperative TEE Diagnosis of LVOT Obstruction and Severe Aortic Insufficiency in a Patient with Malposition of Mechanical Mitral Valve

Vy Tran, MBBS; Logan Kosarek, MD

(F114) Recognition and Evaluation of an Unusual Finding on Transesophageal Echocardiography

Jennifer Kaplan, MD; Patrick Odonkor, MD

(F115) Diagnosis of a Type A Aortic Dissection in a Patient Thought to Have a Chronic Pericardial Effusion Listed for Elective Pericardial Window

Ryan Kotecki, DO; Heather Hayanga, MD; Jeremiah Hayanga, MD; Eric Henrikson, MD; Jeffrey Puette, MD

(F116) Paradoxical Systemic Intravascular Air During a Hepatectomy Diagnosed by Transesophageal Echocardiography

Jerome Crowley, MD; Rachel Steinhorn, MD; Xiaodong Bao, MD; Alexander Kuo, MD

(F117) Perioperative Management of a Patient With Sickle Cell Beta Thalassemia for Aortic Valve Replacement on Cardiopulmonary Bypass

Michael Grimm, MD; Joseph Kimmel, MD

(F118) Retrograde, Misdirected Extracorporeal Life Support (ECLS) Inflow Cannula: A Rare or Underdiagnosed Complication?

Amir Elhassan, MD; Galina Dimitrova, MD; Stein Erica, MD; Flores Antolin, MD

(F119) Malignant Hyperthermia Management with Re-initiation of Cardiopulmonary Bypass

Gregory Blair, MD; Thomas Phillips, DO; Valerie Sera, MD

(F120) An Aorto-esophageal Fistula From an Impacted Chicken Bone

Joseph Raab, MD; Ryan Hood, MD

(F121) Posteromedial Papillary Muscle Rupture After Transcatheter Mitral Valve Replacement in Prior Mitral Annuloplasty Ring

Johnny Nguyen, DO; Gregory Janelle, MD

(F122) Staged Repair of a Coronary Pseudoaneurysm at the Bifurcation of the Left Anterior Descending and Left Circumflex Coronary Arteries

Monica Miller, MD; Tiffany Williams, MD

(F123) A Case of Intraoperative CO₂ Embolism During Cardiac Surgery With Endoscopic Venous Graft Harvest

Taylor Mann, MD; Stephanie Cha, MD

(F124) Pheochromocytoma and Severe Aortic Stenosis: What to Do?

Igor Feinstein, MD; Sameer Khan, MD; Natalia Martinez-Acero, MD; Lindsay Raleigh, MD; Fred Mihm, MD

(F125) Intraoperative Transesophageal Echocardiography for Placement of an Axillary Intra-aortic Balloon Pump as a Bridge to Heart Transplantation

Yoko Kagemoto, MD; Crystal Tan, MD; Jerome Crowley, MD

(F126) Hyperacute Lyme Carditis Mimicking Acute Coronary Syndrome

Justin Wendel, MD; Carlos Perez-Ruiz, MD; Daniel Cormican, MD

(F127) Left Ventricular Assist Device Implantation for Left Ventricular Noncompaction in the Setting of Glucose-6-Phosphate Dehydrogenase Deficiency

Wen Xu, MD; Elizabeth Ungerman, MD; Hulimangala Rakesh, MD; Theresa Gelzinis, MD

(F128) Tricuspid Valve Replacement for Candida Albicans Infective Endocarditis With Vegetation, Severe Tricuspid Regurgitation, Septic Emboli, and Large Pulmonary Artery Thrombus

Joanne Barlin, MD; Saroj Pani, MD

(F129) Ventricular Septal Rupture Complicating Myocardial Infarction

Kristin Burkhalter, MD; Cory France, MD; Benu Makkad, MD

(F130) Unusual Complications Due to Aortic Pseudoaneurysm Following Aortic Dissection Repair

Alexander Paladino, MD; Kara Siegrist, MD; Meredith Kingeter, MD

(F131) Orthotopic Heart Transplant, a Novel Treatment for Aortic Dissection Complicated by Cardiogenic Shock

Alex Stoker, MD; Octavio Pajaro, MD; Eric Steidley, MD; Lisa LeMond, MD; Ayan Sen, MD; Andrew Murray, MBChB; Aaron Skolnik, MD; Arun Jayaraman, MD

(F132) Management of a Large Primary Malignant Cardiac Sarcoma Within the Left Ventricle Causing Left Ventricular Outflow Tract Obstruction in a Healthy 19-Year-Old Patient

Christy Slingwine, MD

(F133) Surgical Repair of an Acute Aortic Aneurysm Rupture of a Previously Repaired Coarctation of the Aorta

Carl Berasi, MD; Yong G. Peng, MD

(F134) Right Sinus of Valsalva Aneurysm Rupture in a 28-Year-Old Woman

Robert Hitchcock, DO; Johannes Steyn, MD

(F135) How Much is Too Much? Iatrogenic Ventricular Septal Defect During Septal Myectomy for Hypertrophic Cardiomyopathy

John Fan, MD; Christina Giblin, DO; Brian Bush, MD

(F136) Is That Blood Really Going From the Aorta to the Bowel?

Shayna Patel, MD; Laura Gonzalez, MD; Mark Chaney, MD

(F137) Complex Reoperation in a Patient With DiGeorge Syndrome

Danisa Daubenspeck, DO; John-Henry Harrison, MD; Richa Dhawan, MD

(F138) Perioperative Management of an Adult With Fontan Physiology

David Rudnick, MD; Abraham Sonny, MD

(F139) Transcatheter Tricuspid Valve Replacement With Sapien 3 Valve for Tricuspid Stenosis and Tricuspid Regurgitation

Jason Lang, MD; Michelle Shirak, MD

(F140) Spontaneous Coronary Artery Dissection in a 35-Year-Old Woman

Nicholas Eglitis, MD; Adam Dalia, MD

(F141) Acute Type A Aortic Dissection Complicating Transfemoral Transcatheter Aortic Valve Replacement

Nicholas Zimick, MD; Lauren Sutherland, MD; Steven Miller, MD

(F142) An Adherent Ascending Aortic Pseudoaneurysm: Surgical Planning and Intraoperative Management

Cory France, MD; Dustin Tsitouris, MD; John Shearer, MD

(F143) Management of Heart Transplantation in Adult With History of Propionic Acidemia

Daniel Mandell, MD; Hulimangala Rakesh, MD; Theresa Gelzinis, MD

(F144) Making Room for the Aortic Valve: The Konno-Rastan Procedure to Improve Prosthesis-Patient Mismatch

Ana Acosta, MD; Jan-Pablo Kollmar, MD; John Fox, MD; Lauren Cornella, MD

(F145) Hyperlactatemia Following Orthotopic Heart Transplantation

Eric Simon, MD; Richard Wolman, MA

(F146) Hemodynamic Challenges in Peripartum Patient With Mediastinal Lymphoma

Asma Khan, MD; Yuliana Salamanca-Padilla, MD; Karuna Puttur Rajkumar, MD; Bradley Hammond, DO

(F147) Is It Too Late to Replace? A Case of Carcinoid Heart Disease

Andrew Wu, MD

(F148) Unexpected Aortic Valve Insufficiency and Dissection Flap After Aortic Surgery

Jonathan Rost, MD; Edward McGough, MD

Complex Case Poster Presentations: Session 2

SATURDAY, MAY 18 | 5-6 PM

(F149) Chronically Undetected Left Sinus of Valsalva Aneurysm

Yvonne Fetterman, MD; Yanfu Shao, MD

(F150) Bilateral Laryngeal Nerve Palsy in Classic Elephant Trunk Procedure: A Case Report

Achillina Rianto, MD; Monica da Silva, MD; Megan Kostibas, MD

(F151) Ouch! It Hurts More Than Delivery!

Tina Law, DO; Robert Nampiaparampil, MD

(F152) Giant Aneurysm of the Right Coronary Artery With a Fistula to the Right Atrium

Danop Nanegrungsunk, MD; Irwin Brown, DO

(F153) Holodiastolic Flow Reversal in Descending Aorta With Right Coronary Artery to Coronary Sinus Fistula

Zahid Merchant, MD; Andrej Alfirevic, MD

(F154) Impella® Placement in Patient With d-Transposition of the Great Arteries After Mustard Procedure

Kiran Belani, MD; Ingrid Moreno Duarte, MD; Christopher White, MD; Jacob Schroder, MD; Sharon McCartney, MD

(F155) Endovascular Repair of a Type A Aortic Dissection

Francis Felice, MD

(F156) Delayed Downward Migration of an Edwards SAPIEN XT Valve

Ripple Chokshi, MD; Norman Huang, DO

(F157) Postoperative Pacemaker Induced Severe Tricuspid Regurgitation

Austin Henry, DO; Timothy Maus, MD

(F158) Acute Pulmonary Thromboembolism During Orthotopic Liver Transplant Successfully Treated With Alteplase: A Case Report

Gloria Rodriguez, MD; Cherie Fisher, MD; Develasco George, MD; Santiago Luis, MD

(F159) When “Put A Ring On It” Causes Coronary Ischemia Diagnosed by Anesthesia

Tomas Carvajal, MD; Daniel Wyler, MD

(F160) Quadruple Valve Replacement in a Patient With Carcinoid Heart Disease

Robert Bellerose, MD; Hong Liu, MD; David Asseff, MD

(F161) Anesthetic Management of a Parturient With Repaired Anomalous Left Coronary Artery From the Pulmonary Artery After Takeuchi Procedure

Cindy Cheung, MD; Danielle McCullough, MD; Robert White, MD; Farida Gadalla, MD

(F162) Large Cardiac Mass in a Patient Undergoing Urgent Left Ventricular Assist Device Implantation

Megan Henley, MD; Bantayehu Sileschi, MD; Julie Anne Bishop, MD; Susan S. Eagle, MD

(F163) Percutaneous VSD Closure After Septal Myectomy

Allyson Lemay, MD; Susan Eagle, MD; Frederick Wilhelm Lombard, MChB

(F164) Acute Type A Dissection Repair in a Patient With Suspected Pheochromocytoma

Sarah Alber, MD; Tracey Stevens, MD

(F165) Four Valve Involvement in Carcinoid Heart Disease: Optimal Conditions

Taylor Carter, MD; Sean Johnson, MD

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(F167) Assessment of Varying Grades of Mitral Regurgitation Under General Anesthesia Versus the Awake State: A Diagnostic Dilemma

Janna Taylor, MD; Peter Panzica, MD

(F168) An Unusual Echocardiographic Finding of Left Ventricular Diastolic Collapse in the Setting of Tension Pneumothorax

Diana DeAndrade, MD; Dennis Phillips, DO

(F169) Direct Aortic Arch Anastomosis for Aortic Arch Interruption

Eric Feduska, DO; Jared Feinman, MD; John Augoustides, MD; Regina Linganna, MD

(F170) ICD Lead Extraction Resulting in Tricuspid Valve Avulsion and Wide Open Tricuspid Regurgitation

Priyanka Patel, DO; Tarek Radwan, DO; Joshua Baisden, MD

(F171) Intraoperative Decision Making: Low-Flow Low-Gradient Aortic Stenosis (LF-LG AS) in the Setting of Primary Severe Mitral Regurgitation (MR)

Joseph Schwartz, MD; Jonathan Leff, MD

(F172) Large Aortic Aneurysm After Remote Aortic Root Replacement at Anastomotic Site of Primary Repair With Associated Vessel Compression

Katherine Williams, DO; Kara Siegrist, MD

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Shonali Pawar, MD; Edo Ginsburg, MD; Eric Wilkens, MD

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Michael Caponigro, MD; Michael Rubin, MD; Julie WYROBEK, MD

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Elizabeth Magdycz, MD; Ethan Brovman, MD; Douglas Shook, MD

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Alyssa Fazi, MD; Daniel Sloyer, MD

(F177) Shining a Light on Shone's Syndrome: A Case of a Rare Congenital Cardiac Abnormality in an Adult Patient

Emily Xue, MD; Rishi Kumar, MD; Lauren Cornella, MD

(F178) Takotsubo Cardiomyopathy Presenting as Ventricular Tachycardia and Cardiac Arrest

Kristi Pence, MD; Caroline Hunter, MD

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(F180) Anesthetic Management of Congenital Long QT Syndrome in Labor and Delivery

Meghan Daly, MD; Danielle McCullough, MD; Robert White, MD

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John Kim, MD; Henry Shih, MD

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Daniel Fullin, MD; Michelle Gorgone, MD; Molly Thomas, MD; Andrew Maslow, MD

(F183) Cardiac Tamponade in Acute Type A Aortic Dissection

Chinyere Archie, MD; Mario Farias Kovac, MD; Karuna Puttur Rajkumar, MD; Brad Hammond, DO; Yanfu Shao, MD; Chad Talarek, MD

(F184) Anesthetic Approach to Postpneumonectomy Syndrome

Brandon Hammond, MD; Benjamin Haithcock, MD; Lavinia Kolarczyk, MD

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Peter Grzesik, DO; Andres Schanzer, MD; James Scott, DO; Rana Badr, MD; J. Matthias Walz, MD

(F186) Resolution of Heyde's Syndrome in a Patient With Severe Aortic Stenosis After Undergoing Transcatheter Aortic Valve Replacement

Reza Parniani, MD; Mark Kozak, MD; Srikantha Rao, MBBS

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Gaurav Katta, MD; Anna Dubovoy, MD

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Matthew Vanneman, MD; Adam Dalia, MD

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Nishankumar Patel Nooli, MD; Corey Herman, MD; Jordan Goldhammer, MD

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Najmeh Izadpanah, MD; Seema Deshpande, MBBS; Laura Libuit, MD

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Victor Chauvet-Almazan, MD; Danop Nanegrungsunk, MD; Katharina Beckmann, MD

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Brandon Alex, MD; M. Megan Chacon, MD

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Michael Morgan, MD; Marta Kelava, MD

(F194) Heterotaxy Syndrome: Intraoperative TEE Evaluation Leads to Significant Alteration in Surgical Plan

Jordan Chiarichiaro, MD; Andrej Alfirevic, MD FASE

(F195) Bridging to Heart Transplantation With Temporary Mechanical Circulatory Support: The Hemodynamics of Left Sided Protek Duo Cannulation

Kevin Donnelly, MD

(F196) Implications of a Malpositioned Subcutaneous Implantable Cardiac Device Lead

Joseph Holecko, MD; Kasey Fiorini, MD; Michael Essandoh, MD Katja Turner, MD

(F197) Minimally Invasive Mitral Valve Surgery Under Prolonged Ventricular Fibrillation

Paul Shih, MD; Wei Pan, MD

(F198) Iatrogenic Mitral Regurgitation Following Redo Aortic Valve Replacement

Joseph Woo, MD; Jonathan Leff, MD; Galina Leyvi, MD

(F199) A Case Report of a Repair of Partial Anomalous Pulmonary Vein Return With Intracardiac Baffle in a 62-Year-Old Female

Gerard Hoatam, MD; Elizabeth Ellinwood, DO; Robert Covington, DO

(F200) Subclavian Arterial Cannulation for VA-ECMO and Crisis Management During Inadvertent Cecannulation

Ali Elsaves, MD; Abdulaziz Alfadhel, MD; Andrea Tsai, MD

(F201) Giant, Rapidly Expanding Circumflex Artery Pseudoaneurysm, Demonstrated by Intraoperative Transesophageal Echocardiography
Dmitry Lembersky, DO; Muoi Trinh, MD

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Perin Kothari, DO; Nikhil Kumar, MD

(F203) Severe Flash Pulmonary Edema Secondary to Pacemaker Syndrome
Christine Acho, DO; Jayakar Guruswamy, MD

(F204) Dynamic Right Ventricular Obstruction After Lung Transplant
Herng-Yu Chang, MD; Laeben Lester, MD

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Mark Robitaille, MD; Igor Zhukov, MD

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(F207) Mitral Stenosis After Alfieri Repair for Systolic Anterior Motion of the Mitral Valve
Scott Gilleland, MD; Megan Krajewski, MD

(F208) Pediatric Patient With Delayed Biventricular Strangulation and Dynamic Coronary Artery Compression
Sophia Poorsattar, MD; Louis Saddic, MD

(F209) Never-Ending Challenges: Anesthetic Management of Re-op AVR in the Setting of Mediastinal Goiter
Divya Yadlapalli, DO; Allen Friedman, MD

(F210) Unplanned Subxiphoid Access for Treatment of Tamponade During Premature Ventricular Contractions Ablation Provides Opportunity for Epicardial Catheter Mapping and Ablation in the EP Lab
Phu Tran, MD; William Grubb, MD; Andy Woo Kim, ASN; Justin Roberts, MD; Christina Brooks, MD

(F211) A Case of Severe Heparin Resistance Secondary to Dressler Syndrome
Tristan Freiling, DO; Richa Dhawan, MD

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Rexford Pearce, MD; Moody Makar, MD

(F213) Diagnosis of the Right Pulmonary Artery Anatomotic Stenosis by Transesophageal Ultrasonography During Double Lung Transplantation
Vladyslav Melnyk, MD; Boisen Michael, MD; Kathirvel Subramaniam, MD

(F214) Transjugular Approach to Transcatheter Mitral Valve-in-Valve Replacement in Patient With Isolated Levocardia After Correction for Partial Atrioventricular Canal Defect
Sonia Shishido, DO; Richard Sheu, MD; Denise Joffe, MD

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Arunabha Basu, MD; Tristan Freiling, DO; Richa Dhawan, MD

(F216) Anterior Mitral Leaflet Cleft Partially Sealed by Subaortic Membrane as a Complex Mechanism of Mitral Regurgitation
Moheb Gohar, MD; Dillon Meier, MD; Nelson Burbano-Vera, MD

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Bao Ha, MD; Eric Feduska, DO; Zev Kornfield, MD; Weiss Weiss, MD

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Casey Shelley, DO; Peter Hild, MD

(F219) Anesthetic Management of a Trauma Patient With Recent Intracranial Hemorrhage Requiring On-Pump Cardiac Surgery for Migrated Inferior Vena Cava Filter Retrieval
Michael Swong, MD; Jennie Ngai, MD

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(F221) Thrombus in the Pulmonary Artery—Another Reason for Failed Weaning From Mechanical Circulatory Support
Anne Marie Walters, MD; Shiva Sale, MD

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Varun Channagiri, MD; Raksha Bangalore, MD; Faraz Chaudhry, MD; Raymond Malapero, MD

(F223) Management of Ventricular Septal Defect Post Bacterial Endocarditis
Avanthi Tudor, MD; Kristine Pearson-Chauhan, DO

(F224) Pulsus Bisferiens in a Patient With a Contained Rupture of a Thoracoabdominal Aortic Aneurysm
John Rubin, MD; Christina Lee, MD; June Chan, MB; Adam Lichtman, MD

(F225) Undiagnosed Uncontrolled Intrathoracic Paraganglioma Resection Requiring Cardiopulmonary Bypass
Yunwei Chen, MD; Bryant Wu, MD

(F226) Robotic Adrenalectomy for Pheochromocytoma in a Patient With Fontan Physiology
Jared Cummings, MD; Robert Deegan, MB BCh; Susan Eagle, MD

(F227) High Grade Intracardiac Sarcoma Causing Right Ventricular Outflow Tract Obstruction

Christina Lee, MD; Sankalp Sehgal, MD

(F228) Transesophageal Echocardiogram Assisted Percutaneous Closure of a Right Ventricular Pseudoaneurysm Following Laser Lead Extraction

Derrick Graulein, MD; Taylor Carter, MD; Bryan Marchant, MD

(F229) Tension Pneumothorax During Routine Aortic Valve Replacement

Esad Kiveric, DO; David Decresce, MD

(F230) Left Ventricular Outflow Tract Obstruction After Transcatheter Mitral Valve Replacement

Sarah Ellis, MD; Blaine Farmer, MD

(F231) Prosthetic Systolic Anterior Motion Following Mitral Valve Replacement

Robert Dematteo, MD; Faraz Mahmood, MD; Michael Moran, MD; Sohail Mahboobi, MD

(F232) Symptomatic Pulmonary Artery Compression Supported by RV Impella® From a Rare Complication: A Saphenous Vein Graft Aneurysm

John Rossi, MD; Jennifer Hargrave, DO

(F233) Elective Use of VA-ECMO for TAVR Under Monitored Anesthesia Care

Chelsea Zur, MD; Lindsay Raleigh, MD

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Ashley Peterson, MD; Robert Kong, MD

(F235) Thoracic Aorta Saccular Aneurysms Caused by Group A Streptococcus (GAS)

Anne-Marie Madden, MD; Sheela Pai Cole, MD

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Donald Anciaux, DO; Richard Wolman, MA

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James Jernigan, MD; Tawfik Ayoub, MD; Steven Haddy, MD

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Jan Friess, MD; Thomas Bruelisauer, MD; Fabian Gisler, MD; Lars Englberger, MD; Gabor Erdoes, MD

(F240) Placement of a Sapien 3 Valve in the Mitral Position via a "Mini" Thoracotomy Due to Severe MAC

Karl Hillenbrand, MD; John McNeil, MD; Amanda Kleiman, MD

(F241) Management of Acute Right Ventricular Failure in a Patient Undergoing Tricuspid Valvectomy for Intractable Infective Endocarditis

Matthew Palma, MD; Andra Duncan, MD

(F242) Hybrid Aortic Arch Debranching With Endovascular Stenting in a Jehovah's Witness With Anomalous Right Subclavian Artery and Kommerell's Diverticulum

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(F243) Management of Congenital Pulmonic Stenosis With Acquired Aortic Stenosis

Sean Philippo, MD; Brandon Lebow, MD; Wendy Bernstein, MD

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Elizabeth O'Brien, MD; David Record, MD; Denise Franko, MD

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Matthew Knoepfler, MD; John McNeil, MD; Amanda Kleiman, MD

(F246) Quadricuspid Aortic Valve: A Case Report

Ibrahim Warsame, MD; Angelica Delgado, MD; Karen Paltoo, BA; Adam Lichtman, MD

(F247) Orthotropic Heart Transplant Complicated by Metformin Induced Lactic Acidosis

Paul Gallo, MD; Igor Zhukov, MD

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Chris Cassara, MD; Igor Zhukov, MD

(F249) Acute Severe Tricuspid Regurgitation After Type A Aortic Dissection: Role of Transesophageal Echocardiography

Muhammad Salman Janjua, MD; Ashish Sakharpe, MBBS; Ankit Jain, MBBS

(F250) Combined Orthotropic Heart and Liver Transplant in a Patient With Amyloidosis

Jared Roussel, MD; Jay Trusheim, MD

(F251) Transcatheter Aortic Valve Replacement Prior to Surgical Repair of Ascending Aortic and Root Aneurysms Resulting in a Ruptured Left Sinus of Valsalva Aneurysm

Ryan Dworaczynk, MD; LiQian Chen, MD

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Diane Schmidt-Krings, MD; J. W. Awori Hayanga, MD; Daniel Sloyer, MD; Ted Freihling, MD; Heather Hayanga, MD

(F253) Ruptured Sinus of Valsalva Aneurysm, Ventricular Septal Defect, or Both?

Michael Holmes, MD; Richard Sheu, MD

(F254) Intraoperative Echocardiographic Assessment of Adequacy of Aorto-atrial Fistula Repair in a Redo Cardiac Surgical Patient

Mike Zhu, MD; Razvan Purza, MD; Robert Cusimano, MD; Madhav Upadhyay, MD; Massimiliano Meineri, MD

(F255) Intraoperative Vasoplegia Treatment With Methylene Blue Resulting in Severe Serotonin Syndrome

Christine Taylor, MD; Ashanpreet Grewal, MD

(F256) Approach to Treatment of Massive Obstructive Acute Left Ventricular Thrombus in a Patient With Factor V Leiden

Leah Bess, MD; John Klick, MD

(F257) Air in the Right Heart During Mechanical Circulatory Support: How to Proceed?

Brian Tolly, MD; Jonathan Zoller, MD

(F258) Use of Angiotensin II for Vasodilatory Shock During Aortic Root Repair With Homograft and Pulmonary Valve Replacement in the Setting of Infective Endocarditis

Elizabeth Webber, MD; Megan Lanigan, MD; Matthew Culling, MD

(F259) Attempted Percutaneous Left Ventricular Assist Device Decommissioning With Persistent Retrograde Flow

Nakul Kumar, MD; Kumar Vivek, MD

(F260) The Mysterious Case of the Left Atrial Pseudotumor

Ron Leong, MD; Ronak Shah, MD; John Augoustides, MD; Prakash Patel, MD; Jared Feinman, MD

(F261) Mitral Stenosis in the Parturient

Jenessa Job, MD; Sharon Abramovitz, MD; Nathan Liu, MD; Robert White, MD

(F262) Mitral Valve Repair With Incidental Pulmonary Embolus

Ryan Latimer, MD; Logan Kosarek, MD

(F263) Antiphospholipid Syndrome and Cardiopulmonary Bypass: An Alternative Strategy Using Preoperative Plasma Exchange

Ashley Dahl, MD; Allan Klompas, MBCh; Marissa Kauss, MD; Michelle Schmutz, MD

(F264) The Anesthetic Considerations of Video-Assisted Thoracoscopy Surgery in a Patient With Kartagener's Syndrome

Lawrence Kopsick, DO; Kristine Pearson-Chauhan, DO

(F265) High Risk Transcatheter Aortic Valve Replacement—Optimal Conditions for Optimal Outcomes

Christopher Walsh, MD; Nicola D'Attellis, MD

(F266) Percutaneous Closure of an Iatrogenic Gerbode Defect

Mario Montealegre, MD; Kiran Belani, MD; Daawar Chaudhry, BA; Eitezaz Mahmood, BA; Jeffrey Bortman, BS; Roger Laham, MD; Feroze Mahmood, MD

(F267) Extracorporeal Cardiopulmonary Resuscitation to Rescue HeartWare Pump Failure

Jeremy Armbruster, MD; Lilibeth Fermin, MD

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Daina Blitz, MD; Andrew Notarianni, MD; Qingbing Zhu, MD; Patrick Broderick, DO; Armar Geirsson, MD; Manuel Fontes, MD

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(F270) LVAD Outlet Obstruction: A Case With a Twist

Neil Dhingra, MD; Matt Culling, MD

(F271) Peripartum Management of a Patient With Repaired Transposition of the Great Arteries

Abdullah Rasheed, MD; Robert White, MD; Danielle McCullough, MD

(F272) Transhepatic Access for Left Atrial Appendage Closure Device Complicated by Subcapsular Hematoma

Jonathan Schirripa, MD; Brian Birmingham, MD

(F273) Delayed Presentation and Diagnosis of Annular Rupture Post Transcatheter Aortic Valve Replacement: A Case Report

A. Rebecca Hamilton, MD; Jamil Ortoleva, MD; Katelyn Devine, MD; Fred Cobey, MD; John Fox, MD

(F274) Residual Septal Hypertrophy and Severe Myocardial Dysfunction: The Postoperative Management Dilemma

Justin Mottaghi, MD; Mohamed Gaber, MD

(F275) ASD: Anesthesia Saves the Day Intraoperative Diagnosis of Superior Sinus Venous Defect With Partial Anomalous Pulmonary Venous Return

Aric Aldrich, MD; Dionne Peacher, MD; Bijoy Thattaliyath, MD

(F276) Commando Procedure in a Postpartum Patient With Infective Endocarditis

Saad Rasheed, MD

(F277) Management of Hemodynamic Collapse Due to Acute Mitral Regurgitation During a Transcatheter Mitral Valve-in-Valve Procedure

Alec Runyon, MD; Ahmad Adi, MD

(F278) Partial Anomalous Pulmonary Venous Connection and Persistent Left Superior Vena Cava in a Patient With Turner Syndrome: An Incidental Finding on Echocardiography

Robert Sickler, MD; Sankalp Sehgal, MD

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(F280) Emergent Use of Veno-Arterial Extracorporeal Membrane Oxygenation During Thoracoscopic Left Ventricular Lead Placement

Bradley Dwan, MD; Oksana Klimkina, MD

(F281) Incidental Intraoperative Diagnosis and Repair of Atrial Septal Defect During Routine Coronary Artery Bypass Graft Surgery

Hilary Hott, MD; Elifce Cosar, MD

(F282) Two Lives, One Plan: Acute Type-A Dissection in a 36-week Pregnant Patient

Emily Schmidt, MD; Jared Hooks, MD; Jayanta Mukherji, MB BS

(F283) Anesthetic Management in a Parturient With Severe Rheumatic Mitral Stenosis and Severe Pulmonary Hypertension Undergoing Epidural Anesthesia for Scheduled Caesarean Section

Huy Nguyen, MD; Sho Tanaka, MD; Brian Raffel, DO; Denes Papp, MD; Enrique Pantin, MD

(F284) Management of Massive and Submassive Acute Pulmonary Embolism

Joseph Leech, DO; Vanetta Levesque, MD; Bryan Hierlmeier, MD; Hannah Copeland, MD

(F285) A Case of Intracardiac Leiomyomatosis

Katerina Wilson, MD; Shangyi Hui, MD; Feroze Mahmood, MD

(F286) Endovascular Repair of Pseudoaneurysm of the Ascending Aorta in Patient With Prior Mitral Valve Replacement and Tricuspid Valve Repair

Francis Chang, MD; Mir Ali Abbas Khan, MD; Nader Nader, MD

(F287) Acute Fulminant Influenza a Myocarditis Requiring Temporary Mechanical Circulatory Support: A Case Report

Christopher Schiff, MD; Mandisa Jones, MD

(F288) “Pneumatosis” of the Lung: A Unique Presentation of Air Embolism During Lung Transplantation

Harikesh Subramanian, MBBS; Joseph Sanders, MD

(F289) A Case of an Intracardiac Pericardial Drain After Balloon Valvuloplasty and Pericardiocentesis Identified Using Transesophageal Echocardiography

Jeremy Zaks, MD; Suraj Parulkar, MD

(F290) From Flowing to Zero-Point-Zero: Heparin-Induced Thrombocytopenia and Thrombosis in a Patient on ECMO Support

Bryan Kidd, MD; Meena Bhatia, MD

(F291) Severe Paravalvular Mitral Regurgitation Despite Three Failed Amplatzer Occluders Requiring Minimally Invasive Mitral Valve Replacement

Orlando Suero, MD; Wei Pan, MD; Mark Eagleton, MD

(F292) Management of Emergent Cardiopulmonary Bypass in a Patient With Heparin-Induced Thrombocytopenia

Thomas Wilson, MD; Rebecca Gerlach, MD

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Grand Ballroom A

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Monday, May 20 | 12:30-1:30 pm

Grand Ballroom A

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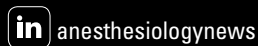
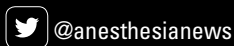
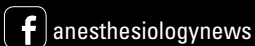


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