



SCA 40th

ANNUAL MEETING PROGRAM BOOK

April 28–May 2, 2018

7th Annual Thoracic Anesthesia Symposium

April 27, 2018

Experience the Innovation, Explore the Future of Medicine

Phoenix, AZ

JW Marriott Phoenix Desert Ridge



SOCIETY OF
CARDIOVASCULAR
ANESTHESIOLOGISTS
Knowledge • Care • Investigation

Join the conversation:

#SCA2018AnnualMeeting

#SCA2018TAS

WiFi Network Name: JW Marriott_Conf | Password: SCA18

www.scahq.org/2018AM | www.scahq.org/2018TAS

Contents

President's Message/Message from the Chair3

Schedule at a Glance4

General Information.6

Floor Plan8

SCA Leadership9

Annual Meeting and Workshops. 10

 Faculty 10

 Premier Lectures and Awards.17

 Schedule 18

 Workshops 32

 PBLDs 35

 Fellow/Resident Program 37

 Scientific Abstracts and Posters 39

 Fellow/Resident Complex Case Presentations52

 Exhibitors 64

 Sponsors 66

Thoracic Anesthesia Symposium. 69

 Faculty 70

 Schedule 71

 Oral and Poster Abstracts. 73

 Exhibitors 75

 Sponsors 75

HOW TO CONNECT

You're here. The content is great. You're surrounded by the best and brightest from the field of cardiovascular and thoracic anesthesiology. But are you getting the most from your Annual Meeting/TAS attendance?



@scahq

#SCA2018AM

#SCA2018TAS

It's time to connect.

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

President's Message/Message from the Chair

Welcome to this very special 40th Anniversary of the SCA Annual Meeting & Workshops and the 7th Annual Thoracic Anesthesia Symposium (TAS)! We are delighted to introduce the program and venue for these exceptional meetings. The educational agenda is full of innovative content designed to explore contemporary care and examine the best pathways to advance care for the future. These meetings are designed to allow those interested in the care of cardiovascular and thoracic surgical and interventional patients to stretch comfort zones, contemplate healthcare controversies, and extend their influence within the operating room and in the greater healthcare environment.

Each day features speakers from anesthesiology, surgery, cardiology, and intensive care medicine, and sessions will highlight content relevant to the practice of adult and pediatric cardiovascular and thoracic anesthesiology. The SCA Scientific Program and the TAS Program Committees have selected topics that will stimulate ideas, questions, discussion, and friendly debate.

We hope that you will enjoy key sessions such as the Mitral Valve Heart Team discussions, the combined SCA/STS Tricuspid Valve session, the *Anesthesia and Analgesia*: State-of-the-Art Patient Safety presentations, and the plenary session on Enhanced Recovery Pathways in Cardiac Surgery. The program also includes many choices for concurrent sessions on topics such as critical care, congenital heart disease, patient blood management, healthcare finance, anesthesiologist wellness, mechanical support, thoracic anesthesia updates, aortic surgery, and cardiac valve disease. A key attribute of our meetings is the availability and approachability of the faculty, which allows for great discussions and exchange of ideas with global leaders in cardiovascular anesthesiology.

Over the daily lunch breaks, you will have access to a broad range of high-quality scientific abstract poster presentations. Two oral abstract presentation sessions will feature this year's top-scoring scientific abstract submissions as judged by a blinded panel of reviewers.

The exhibit hall will feature displays and booths from our supporters in the pharmaceutical, medical device, and software industries. Please visit the hall to learn about the latest technical developments relevant to our specialty.

Lastly, we hope you enjoy the sun, warmth, and relaxation of Arizona in the spring. At this time of year, Phoenix is arguably at its very best!

Warmest regards,



Amanda A. Fox, MD MPH
Scientific Program Committee Chair, 2016–2018



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

Schedule at a Glance

■ Fellow/Resident Program

■ Abstracts

■ General Sessions

■ Workshops

PBLDs are held each morning of the meeting from 7 to 8 am. See page 35 for PBLD schedule.

See page 71 for TAS schedule.

Saturday, April 28											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Grand Canyon 1-5		Workshop 2: Mechanical Circulatory Support					Workshop 4: Interventional Valves & Clips				
Grand Canyon 6-8									Exhibit Hall		
Grand Canyon 9-12							F/R Program				
Grand Sonoran A-D		Workshop 1: Hands-On TEE					Workshop 3: Advanced TEE				
Grand Sonoran E					Atrial Fibrillation in Surgical Patients		Coagulation Management in Surgery			Advancements in Acute Kidney Injury	
Grand Sonoran F-G					Complex Case Posters 1					Best of Complex Cases	Complex Case Posters 2
Grand Saguaro North/South		Refresher Course Lectures			Acute Aortic Syndromes		Perioperative Mitral Valve Disease			AS: TAVR vs. SAVR	

Sunday, April 29											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Grand Canyon 1-5						Scientific Posters I					
Grand Canyon 6-8	Exhibit Hall (7 am-6:45 pm)										
Grand Sonoran A-D			Workshop 5: Electrophysiology Lab/ Pacemaker				Workshop 6: Perioperative US				
Grand Sonoran E					A&A State of the Art: Patient Safety			Controversies in Organ Transplant		Best of Meeting Oral Abstract Session 1	
Grand Sonoran F-G					Burnout in CT Anesthesia			Interventional Arrhythmia Management		Managing Patients on ECMO	
Grand Saguaro N/S		Earl Wynands Lecture	SCA/STS: Tricuspid Valve		SOCCA Session			EACTA Session: Heart Failure Management		Super Echo Panel	

Monday, April 30											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Grand Canyon 1-5						Scientific Posters 2					
Grand Canyon 6-8				Exhibit Hall							
Grand Sonoran A-D								Research Session: Organ Protection		Best of Meeting Oral Abstract Session 2	
Grand Sonoran E								When VAD Goes Bad		Current Concepts in Cardiac Critical Care	
Grand Sonoran F-G								CCAS Session: Adult Congenital Disease		Measuring and Improving Quality	
Grand Saguaro N/S		Enhanced Recovery		ASA Update, Keynote Lecture, SCA Awards, & Business Meeting							Fireside Chat (5-6 pm)

Tuesday, May 1											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Grand Canyon 1-5						Scientific Posters 3					
Grand Sonoran A-D					2018 Thoracic Updates		Ethics of ECMO		International Perspectives on CT Anesthesiology		
Grand Sonoran E					Value-Based Reimbursement in CT Anesthesia		Improving Neurologic Outcomes		Big Data and Decision Making		
Grand Sonoran F-G					New Frontiers: Interventional Echo for Advanced Procedures		POCUS, FOCUS, FAST, and FATE		Blood Transfusion and Blood Management		
Grand Saguaro W/S		Right Ventricle									Echo Jeopardy!

Wednesday, May 2											
ROOM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM
Grand Sonoran E			F/R TEE Review Session								
Grand Sonoran F-G			Workshop 7: 3D TEE								

General Information

The Society of Cardiovascular Anesthesiologists (SCA) Annual Meeting & Workshops and the Thoracic Anesthesia Symposium (TAS) are unique educational activities that allow anesthesiologists and other perioperative physicians and providers from around the world to come together and discuss key issues in delivering care to patients undergoing cardiovascular and thoracic surgeries.

HOW TO ACCESS MEETING MATERIALS

Annual Meeting and TAS abstracts, evaluations, handouts, and syllabi are only available electronically. To access them:

- Visit www.scahq.org/2018annualmeeting or www.scahq.org/2018TAS on your computer or laptop and click on the link to access our meeting app.
- Download the SCA meeting app to your mobile device or tablet. Search SCA 2018 in your app store or visit www.tripbuildermedia.com/apps/sca.



All preregistered attendees received meeting app login instructions prior to the start of the meeting. The meeting app can be accessed via a mobile device, tablet, or computer. Attendees will have access to meeting materials before, during, and after the meeting. Login with the email used in your registration and the password SCA18. If there are no handouts for a particular presentation, none were provided by the presenter. Meeting materials will be available through the fall of 2018.

CME Information

Attendees can review general continuing medical education (CME) information, including designation and accreditation information, learning objectives, and faculty disclosures by visiting www.scahq.org/2018annualmeeting or www.scahq.org/2018TAS.

How to Claim Your CME

To claim CME credit, visit www.scahq.org/2018annualmeeting or www.scahq.org/2018TAS and complete your 2018 meeting evaluations. **You must complete the evaluations by August 1, 2018 to claim credit.** The deadline will not be extended.

CME Accreditation

SCA is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation

Annual Meeting: SCA designates this live activity for a maximum of 37 AMA PRA Category 1 Credit(s)[™].

TAS: SCA designates this live activity for a maximum of 8.5 AMA PRA Category 1 Credit(s)[™].

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Networking With Our Exhibitors

TAS exhibits will be located in Grand Sonoran F during the following hours:
Friday, April 27 7 am–5:45 pm

Annual Meeting exhibits will be located in Grand Canyon 6–8 during the following hours:
Saturday, April 28. 3:30–4:30 pm
Sunday, April 29 7 am–6:45 pm
Monday, April 30 7 am–1:30 pm

All Annual Meeting attendees are welcome to join our exhibitors and sponsors in the exhibit hall from 5:45 to 6:45 pm on Sunday, April 29. Attendees will have the opportunity to enjoy light refreshments and network with colleagues and industry partners.

On Demand Product

Annual Meeting On Demand is an online library with more than 60 hours of educational content from the meeting, including TAS. Revisit sessions you attended and participate in those you missed—anytime, anywhere. Plus, earn additional CME credits. Visit the On Demand sales desk located in the Grand Sonoran Foyer to purchase the product onsite for a discounted rate!

Registration

The registration desk will be located in the Grand Sonoran Foyer during the following hours:

Thursday, April 26: 4–6 pm
Friday, April 27: 7 am–6 pm
Saturday, April 28: 6:30 am–6 pm
Sunday, April 29: 6:30 am–6 pm
Monday, April 30: 6:30 am–4 pm
Tuesday, May 1: 6:30 am–4 pm
Wednesday, May 2: 6:30–8:30 am

Speaker-Ready Room

The speaker-ready room will be located in Grand Sonoran I during the following hours:

Thursday, April 26: 4–6 pm
Friday, April 27: 7 am–6 pm
Saturday, April 28: 7 am–5:30 pm
Sunday, April 29: 7 am–5:30 pm
Monday, April 30: 7 am–4:30 pm
Tuesday, May 1: 7 am–4:30 pm

Committee Meetings

The schedule of SCA Committee Meetings can be found in your meeting app and at the registration desk.

Disclaimer

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

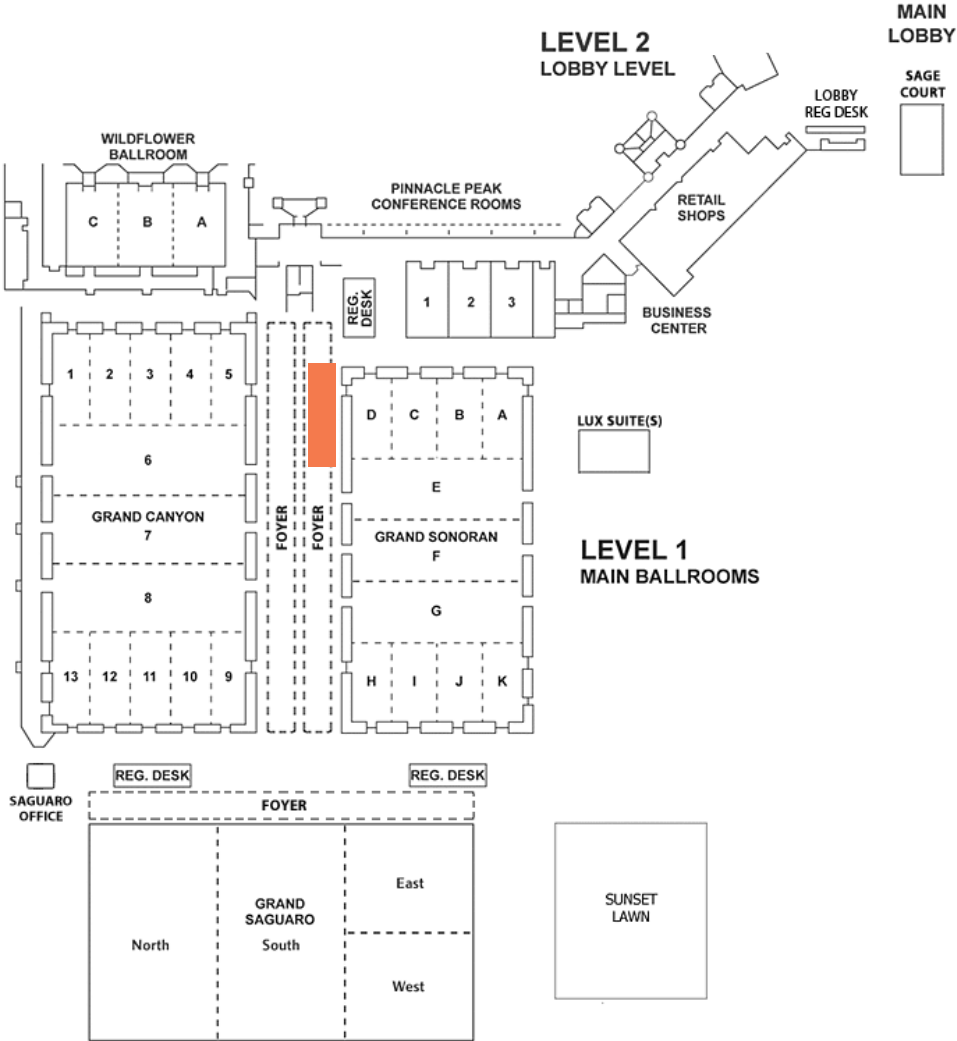
Photography

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 the 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.

Floor Plan



YOUR MOBILE MEETING

Use your mobile device or laptop to access information about the Annual Meeting and Thoracic Anesthesia Symposium. Download the 2018 meeting app to create a personalized meeting experience at your fingertips.

Search SCA 2018 in your app store to download the app or visit www.tripbuildermedia.com/apps/sca to access the app on your laptop!

SCA Leadership

Officers



Christopher A. Troianos, MD FASE
President



Stanton K. Shernan, MD
President-Elect



Andrew D. Shaw, MB FCCM FFICM FRCA
Secretary/Treasurer



Linda Shore-Lesserson, MD
Immediate Past President

Board of Directors

Michael P. Eaton, MD
Amanda Fox, MD MPH
Kathryn E. Glas, MD
Glenn P. Gravlee, MD
Hilary P. Grocott, MD
Martin J. London, MD
David Mazer, MD

Albert C. Perrino Jr., MD
James G. Ramsay, MD
Bodil Steen Rasmussen, MD PhD
David L. Reich, MD
Douglas C. Shook, MD FASE
Mark A. Taylor, MD FASE

Scientific Program Committee



Amanda Fox, MD MPH
Chair



Michael P. Eaton, MD
Vice-Chair



Sasha K. Shillcutt, MD MS FASE
Workshop and PBLD Coordinator



William C. Culp Jr., MD
Director, Fellow and Resident Program

Donna L. Greenhalgh, MD
EACTA Liaison

J. Danny Muehlschlegel, MD MMSc
Research Liaison

Shahzad Shaefi, MD MPH
SOCCA Liaison

Stanton K. Shernan, MD
STS Liaison/CME Committee Chair

Ferenc Puskas, MD PhD MBA
TAS Liaison

James H. Abernathy III, MD
Quality Liaison

James M. Anton, MD
Frederic T. Billings IV, MD MSc
Bruce A. Bollen, MD
Mary Beth Brady, MD
Tara R. Brakke, MD
Frederick C. Cobey, MD
J. Mauricio Del Rio, MD
Jonathan K. Ho, MD

Gregory M. Janelle, MD FASE FASA
Priya A. Kumar, MD
Jenny Kwak, MD
G. Burkhard Mackensen, MD PhD FASE
Yasdet Maldonado, MD
Tjorvi E. Perry, MD MMSc
David M. Roth, PhD MD
Nelsen L. Thaumert, MD
Andrew S. Weisinger, MD

Faculty

James H. Abernathy III, MD
Chief, Division of Cardiac
Anesthesiology
Johns Hopkins University
Baltimore, MD

Diana Anca, MD
Anesthesiologist, Director EP
Anesthesia
Northshore University Hospital
New York, NY

James M. Anton, MD
Clinical Associate Professor
and Chief, Division of
Cardiovascular Anesthesiology
Texas Heart Institute, Baylor St.
Luke's Medical Center
Houston, TX

Hushan HA Ao, MD PhD
Professor, Department of
Anesthesiology
Fuwai Hospital
Beijing, China

**John (Yianni) G. Augoustides,
MD FASE FAHA**
Professor of Anesthesiology
University of Pennsylvania
Philadelphia, PA

Dalia A. Banks, MD
Program Director/Chief of
Cardiac Anesthesia
University of California San Diego
San Diego, CA

Atilio Barbeito, MD
Assistant Professor of
Anesthesiology
Duke University & VA Medical
Center
Durham, NC

Viachaslau Barodka, MD
Assistant Professor,
Anesthesiology and Critical
Care Medicine
Johns Hopkins University School
of Medicine
Baltimore, MD

W. Scott Beattie, MD
R. Fraser Elliott Chair in
Cardiovascular Anesthesia
University of Toronto
Toronto, Canada

Mary Z. Bechis, MD FACC
Staff Cardiologist, Division of
Cardiology
Sharp Rees-Stealy
San Diego, CA

Himani V. Bhatt, DO MPA FASE
Icahn School of Medicine at
Mount Sinai
New York, NY

Frederic T. Billings IV, MD MSc
Associate Professor,
Anesthesiology
Vanderbilt University Medical
Center
Nashville, TN

Randal S. Blank, MD PhD
Associate Professor of
Anesthesiology
University of Virginia
Charlottesville, VA

Bruce A. Bollen, MD
Anesthesiologist
Missoula Anesthesiology/
International Heart Institute
MT
Missoula, MT

Noel G. Boyle, MD PhD
Professor of Medicine
UCLA Cardiac Arrhythmia Center
Los Angeles, CA

Mary Beth Brady, MD
Vice Chair for Education,
Associate Professor
Johns Hopkins University School
of Medicine
Baltimore, MD

Tara R. Brakke, MD
Associate Professor
University of Nebraska Medical
Center
Omaha, NE

Charles H. Brown IV, MD MHS
Assistant Professor,
Anesthesiology & Critical Care
Medicine
Johns Hopkins University School
of Medicine
Baltimore, MD

Norman Buckley, MD
McMaster University
Hamilton, Canada

Ricardo A. Cardenas, MD
Director, Adult Cardiothoracic
Fellowship Program
Allegheny General Hospital
Pittsburgh, PA

Kenneth R. Catchpole, PhD
Endowed Chair in Clinical
Practice and Human Factors,
Department of Anesthesia and
Perioperative Medicine
Medical University of South
Carolina
Charleston, SC

M. Megan Chacon, MD
University of Nebraska Medical
Center
Omaha, NE

Mark A. Chaney, MD
Professor, Director of Cardiac
Anesthesia
University of Chicago
Chicago, IL

Frederick Y. Chen, MD PhD
Tufts Medical Center
Boston, MA

Davy C. Cheng, MD
Distinguished University
Professor & Research Chair,
Anesthesia & Perioperative
Medicine
London Health Sciences Centre,
Western University
London, Canada

Sreekanth Cheruku, MD
Assistant Professor of
Anesthesiology
UT Southwestern Medical Center
Dallas, TX

Albert T. Cheung, MD
Professor, Anesthesiology
Stanford University
Stanford, CA

Frederick C. Cobey, MD
Division Chief, Cardiac Anesthesia
Tufts Medical Center
Boston, MA

Joshua B. Cohen, MD
Clinical Assistant Professor,
Cardiovascular Anesthesiology
Texas Heart Institute
Houston, TX

Kevin Collins, BSN CCP LP
Clinical Lead Duke Perfusion
Department, Perfusion
Services
Duke University
Durham, NC

Delos M. "Toby" Cosgrove, MD
President & CEO
Cleveland Clinic
Cleveland, OH

Gregory S. Couper, MD
Surgical Director of Heart Failure
Program, Division of Cardiac
Surgery
Tufts Medical Center
Boston, MA

Douglas B. Coursin, MD
Professor and Vice-
Chair, Departments of
Anesthesiology and Medicine
University of Wisconsin School
of Medicine and Public Health
Madison, WI

William C. Culp Jr., MD
Professor
Texas A&M University
Temple, TX

J. Mauricio Del Rio, MD
Assistant Professor of
Anesthesiology & Critical Care
Duke University School of
Medicine/Duke University
Medical Center
Durham, NC

André Y. Denault, MD
Professor of Anesthesia and
Critical Care
Montreal Heart Institute
Montréal, Canada

**Georges Desjardins, MD FASE
FRCP**
Anesthesiology
Montreal Heart Institute
Montréal, Canada

Richa Dhawan, MD MPH
Clinical Associate
University of Chicago Medical
Center
Chicago, IL

Michael P. Eaton, MD
Professor and Chair
University of Rochester
Rochester, NY

Taylor A. Ezikian, MSW
Elementary School Social Worker
Hamilton Elementary
Howell, MI

**Ludwik Fedorko, MD PhD
FRCP**
Staff Anesthesiologist
University Health Network,
Toronto
Toronto, Canada

Jared W. Feinman, MD
Assistant Professor,
Anesthesiology and Critical
Care
Hospital of the University of
Pennsylvania
Philadelphia, PA

Alan C. Finley, MD
Associate Professor
Medical University of South
Carolina
Charleston, SC

Thomas F. Floyd, MD
Professor
SUNY Stony Brook
Stony Brook, NY

Amanda Fox, MD MPH
Division Chief of Cardiovascular
and Thoracic Anesthesiology
Associate Professor of
Anesthesiology
University of Texas Southwestern
Medical Center
Dallas, TX

John A. Fox, MD
Director of Intraoperative
Ultrasound
Brigham and Women's Hospital
Boston, MA

Carlos Galhardo Jr., MD
Director of the Heart Transplant
Anesthesia
National Institute of Cardiology
Rio de Janeiro, Brazil

**Miguel Garcia, FRCA FCCM
EDICM**
University Hospital of South
Manchester
Manchester, United Kingdom

Kamrouz Ghadimi, MD
Assistant Professor of
Anesthesiology & Critical Care
Duke University Medical Center
Durham, NC

Brian Ghoshhajra, MD MBA
Massachusetts General Hospital
Boston, MA

Laurent G. Glance, MD
University of Rochester
Rochester, NY

Kathryn E. Glas, MD
Professor and Interim Chair,
Anesthesiology
Emory University School of
Medicine
Atlanta, GA

**James D. Grant, MD MBA
FASA**
Chair, Department of
Anesthesiology
Beaumont Hospital-Royal Oak
Royal Oak, MI

Donna L. Greenhalgh, MD
Consultant in Anaesthesia &
Intensive Care
University Hospital of South
Manchester
Manchester, United Kingdom

Philip E. Greilich, MD
Professor and Holder S.T.,
Anesthesiology & Pain
Management
UT Southwestern Medical Center
Dallas, TX

Hilary P. Grocott, MD
Professor of Anesthesiology
University of Manitoba
Winnipeg, Canada

Jacob T. Gutsche, MD
Assistant Professor,
Anesthesiology and Critical
Care
Perelman School of Medicine,
University of Pennsylvania
Philadelphia, PA

Alexander A. Hannenberg, MD
Chief Quality Officer
American Society of
Anesthesiologists
Illinois

Timothy J. Hayes, MBChB
Consultant Cardiothoracic
Anaesthetist/Intensive Care
University Hospital of South
Manchester
Manchester, United Kingdom

Nadia Hensley, MD

Assistant Professor,
Anesthesiology and Critical
Care Medicine
Johns Hopkins University School
of Medicine
Baltimore, MD

Elizabeth Herrera, MD

Houston Methodist Hospital
Houston, TX

Eugene A. Hessel II, MD

Professor, Anesthesiology,
Surgery (Cardio-thoracic),
Neurosurgery, Pediatric
University of Kentucky College of
Medicine
Lexington, KY

Steven E. Hill, MD

Professor of Anesthesiology,
Anesthesiology and Pain
Management
UT Southwestern Medical Center
Dallas, TX

Jonathan K. Ho, MD

Associate Clinical Professor,
Anesthesiology and
Perioperative Medicine
University of California, Los
Angeles
Los Angeles, CA

Charles W. Hogue, MD

James E. Eckenhoff Professor
Chair, Department of
Anesthesiology
Northwestern University
Feinberg School
Chicago, IL

**Kimberly Howard-Quijano,
MD MS**

Assistant Professor-in-Residence
University of California, Los
Angeles
Los Angeles, CA

Christopher Hughes, MD MS

Vanderbilt University Medical
Center
Nashville, TN

Natalia S. Ivascu, MD

Associate Professor of Clinical
Anesthesiology
Weill Cornell Medicine
New York, NY

**Gregory M. Janelle, MD FASE
FASA**

Associate Chair of Clinical Affairs,
Professor of Anesthesiology
and Surgery
University of Florida College of
Medicine
Gainesville, FL

Srdjan Jelacic, MD

Assistant Professor,
Anesthesiology and Pain
Medicine
University of Washington
Seattle, WA

Daniel W. Johnson, MD

Division Chief, Critical Care,
Department of Anesthesiology
University of Nebraska Medical
Center
Omaha, NE

Ravi V. Joshi, MD

Associate Professor of
Anesthesiology
University of Texas Southwestern
Medical
Dallas, TX

Miklos D. Kertai, MD PhD

Vanderbilt University Medical
Center
Nashville, TN

Adam J. Kingeter, MD

Assistant Professor,
Anesthesiology
Vanderbilt University Medical
Center
Nashville, TN

Erik B. Kistler, MD PhD

University of California, San
Diego; VA San Diego
San Diego, CA

Hanjo Ko, MD

Assistant Professor, Department
of Anesthesiology and Critical
Care Medicine
University of Pennsylvania
Health System
Philadelphia, PA

Marian Kukucka, MD PhD

Consultant Anaesthetist,
Perioperative Medicine
Barts Heart Centre London
London, United Kingdom

Priya A. Kumar, MD

Professor
University of North Carolina,
Chapel Hill
Chapel Hill, NC

Jenny Kwak, MD

Loyola University Medical Center
Maywood, IL

W. Travis Lau, MD

Queen's Medical Center
Honolulu, HI

Jonathan D. Leff, MD FASE

Professor of Anesthesiology
Montefiore Medical Center
Bronx, NY

Laebe C. Lester, MD

Assistant Professor,
Anesthesiology and Critical
Care Medicine
Johns Hopkins School of
Medicine
Baltimore, MD

Hong Liu, MD

Professor, Anesthesiology and
Pain Medicine
University of California Davis
Health
Sacramento, CA

Jens Lohser, MD

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

Martin J. London, MD

Professor of Clinical Anesthesia
University of California San
Francisco
San Francisco, CA

**G. Burkhard Mackensen, MD
PhD FASE**

Professor of Anesthesiology
University of Washington
Seattle, WA

Aman Mahajan, MD PhD

Professor and Chair
University of California, Los
Angeles Health
Los Angeles, CA

Feroze Mahmood, MD

Director, Cardiac Anesthesia
Beth Israel Deaconess Medical
Center
Boston, MA

Yasdet Maldonado, MD
Residency Program Director
Allegheny Health Network
Pittsburgh, PA

Nicholas W. Markin, MD FASE
Assistant Professor
University of Nebraska Omaha
Omaha, NE

Andrew D. Maslow, MD
Professor of Anesthesiology
Warren Alpert Medical School of
Brown University
Providence, RI

David Mazer, MD
Professor
University of Toronto
Toronto, Canada

Mike A. Mazzeffi, MD
Associate Professor,
Anesthesiology
University of Maryland
Baltimore, MD

Sharon McCartney, MD
Assistant Professor, Department
of Anesthesiology
Duke University Medical Center
Durham, NC

**Yatin Mehta, MD FRCA
MNAMS**
Chairman, Institute of Critical
Care and Anesthesiology
Medanta The Medicity
Gurgaon, India

**Massimiliano Meineri, MD
FASE**
Associate Professor of
Anesthesia
University of Toronto
Toronto, Canada

Joseph S. Meltzer, MD
UCLA Medical Center
Los Angeles, CA

Gabriel E. Mena, MD
Associate Professor,
Anesthesiology, Pain Medicine
and Critical Care
MD Anderson Cancer Center
Houston, TX

Emily Methangkool, MD
Assistant Clinical Professor,
Department of Anesthesiology
and Perioperative Medicine
University of California, Los
Angeles
Los Angeles, CA

**Alexander Mittnacht, MD
FASE**
Professor, Anesthesiology
Icahn School of Medicine at
Mount Sinai
New York, NY

Gordon H. Morewood, MD
Professor and Chair, Department
of Anesthesiology
Temple University
Philadelphia, PA

**J. Danny D. Muehlschlegel,
MD MMSc**
Associate Professor of
Anesthesia
Brigham and Women's Hospital
Boston, MA

Tariq Naseem, MD
Cardiothoracic Anesthesiologist
& Cardiovascular Intensivist
Tufts University Medical Center
Boston, MA

Viviane Nasr, MD
Boston Children's Hospital
Boston, MA

**Jacques (Prince) Neelankavil,
MD**
Director, Perioperative
Echocardiography
University of California, Los
Angeles
Los Angeles, CA

Eric W. Nelson, DO
Associate Professor
Medical University of South
Carolina
Charleston, SC

Sonia Nhieu, MD
Cardiovascular Anesthesia and
Critical Care
Texas Heart Institute at Baylor St.
Luke's Medical Center
Houston, TX

Alina Nicoara, MD FASE
Assistant Professor of
Anesthesiology
Duke University Medical Center
Durham, NC

Arno Nierich, MD
Cardiac Anaesthesiology and
Intensive Care
Isala Clinics
Zwolle, Netherlands

Daisuke F. Nonaka, MD
Assistant Professor,
Anesthesiology and Pain
Management
UT Southwestern Medical Center
Dallas, TX

Charles B. Nyman, MBChB
Program Director Cardiothoracic
Anesthesiology Fellowship
Brigham and Women's Hospital
Boston, MA

Daryl A. Oakes, MD
Associate Clinical Professor,
Department of Anesthesia,
Perioperative and Pain
Medicine
Stanford University School of
Medicine
Stanford, CA

Natesa G. Pandian, MD FACC
Medical Director, Hoag Heart
Valve Center, Heart & Vascular
Institute
Hoag Hospital and Tufts
University
Newport Beach, CA

Peter J. Panzica, MD
Vice Chair & Assistant Professor
of Clinical Anesthesia
Beth Israel Deaconess Medical
Center
Boston, MA

Prakash A. Patel, MD FASE
Assistant Professor, Department
of Anesthesiology and Critical
Care
University of Pennsylvania
Philadelphia, PA

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

Yong G. Peng, MD
Professor and Chief of
Cardiothoracic Anesthesia
University of Florida
Gainesville, FL

Albert C. Perrino Jr., MD
Professor of Anesthesiology
Yale University
New Haven, CT

Tjorvi E. Perry, MD MMSc
Director of Cardiac Anesthesia
Abbott Northwestern Hospital
Minneapolis, MN

Wanda M. Popescu, MD

Associate Professor of
Anesthesiology
Yale University
New Haven, CT

Kenneth Prager, MD

Professor of Medicine, Director
of Clinical Ethics
Columbia University Medical
Center
New York, NY

Mias Pretorius, MD

Associate Professor of
Anesthesiology and Clinical
Pharmacology
Vanderbilt University Medical
Center
Nashville, TN

Ferenc Puskas, MD PhD MBA

Clinical Professor
University of Nevada Reno
School of Medicine
Las Vegas, NV

Vidya K. Rao, MD

Clinical Assistant Professor
Stanford University
Stanford, CA

Jacob Raphael, MD

Associate Professor of
Anesthesiology
University of Virginia
Charlottesville, VA

Heather Reed, MD

University of Florida
Gainesville, FL

Scott T. Reeves, MD

Professor & Chair of
Anesthesiology
Medical University of South
Carolina
Charleston, SC

David L. Reich, MD

President and Chief Operating
Officer, Anesthesiology,
Perioperative and Pain
Medicine
Mount Sinai Hospital
New York, NY

Steffen Rex, MD PhD

Adjunct Clinical Head,
Department of Anesthesiology
University Hospital Leuven
Leuven, Belgium

Norbert J. Rios, MD

Attending, Cardiothoracic
Anesthesiology
Houston Methodist DeBakey
Heart and Vascular Center
Houston, TX

David M. Roth, PhD MD

Professor
UCSD
Staff Anesthesiologist
VA San Diego
San Diego, CA

**Colin F. Royse, MD FANZCA
MBBS**

Professor of Anaesthesia
Royal Melbourne Hospital
Melbourne, Australia

Michael Sander, MD

Director, Department for
Anesthesiology and Intensive
Care Medicine
University Hospital Giessen,
Justus-Liebig University,
UKGM
Giessen, Germany

Filippo Sanfilippo, MD

Senior Attending, Anesthesia and
Critical Care Medicine
ISMETT/UPMC Hospital
Palermo, Italy

Nanette M. Schwann, MD

Professor and Vice Chair
Education & Research,
Department of Anesthesiology
Lehigh Valley Hospital & Health
Network
Allentown, PA

Shahzad Shaefi, MD MPH

Beth Israel Deaconess Medical
Center
Boston, MA

Ali N. Shariat, MD

Assistant Professor of
Anesthesiology
Mount Sinai-St. Luke's and Mount
Sinai-West Hospital
New York, NY

**Andrew D. Shaw, MB FCCM
FFICM FRCA**

Professor and Chair,
Anesthesiology and Pain
Medicine
University of Alberta
Edmonton, Canada

Prem Shekar, MD

Chief, Cardiac Surgery
Brigham and Women's Hospital
Boston, MA

Stanton K. Shernan, MD

Professor of Anesthesia
Brigham and Women's Hospital
Boston, MA

Sasha K. Shillcutt, MD MS

FASE
Associate Professor,
Anesthesiology
University of Nebraska
Omaha, NE

Douglas C. Shook, MD FASE

Chief, Division of Cardiac
Anesthesia
Brigham and Women's Hospital
Boston, MA

Linda Shore-Lesserson, MD

Professor
Zucker School of Medicine at
Hofstra Northwell
Manhasset, NY

Robert J. Siegel, MD

Director, Cardiac Non-Invasive
Lab, Heart Institute
Cedars-Sinai Medical Center
Los Angeles, CA

Natalie Silverton, MD

Assistant Professor
University of Utah
Salt Lake City, UT

Saket Singh, MD

Associate Professor of
Anesthesiology
Allegheny Health Network
Pittsburgh, PA

Nikolaos J. Skubas, MD

Chairman, Cardiac
Anesthesiology
Cleveland Clinic
Cleveland, OH

Jochen Steppan, MD DESA

Assistant Professor,
Anesthesiology and Critical
Care Medicine
Johns Hopkins University
Baltimore, MD

Marc E. Stone, MD

Professor; Program Director-
ACTA Fellowship,
Anesthesiology
Icahn School of Medicine at
Mount Sinai
New York, NY

Scott Streckenbach, MD

Cardiac Anesthesiologist,
Anesthesia and Critical Care
Massachusetts General Hospital
Boston, MA

Michele Sumler, MD

Assistant Professor
Emory University
Atlanta, GA

Kenichi Tanaka, MD

Professor, Director of
Cardiovascular Anesthesiology
University of Maryland
Baltimore, MD

Brad Taylor, MD

Associate Professor of Surgery
University of Maryland
Baltimore, MD

Nelson L. Thaemert, MD

Associate Chief, Division of
Cardiac Anesthesia
Brigham & Women's Hospital
Boston, MA

**Walker R. Thomas, BA FASE
RDCS**

Instructor, Anesthesiology
University of Nebraska
Omaha, NE

Annemarie Thompson, MD

Professor of Anesthesiology and
Medicine
Duke University
Durham, NC

**Christopher A. Troianos, MD
FASE**

Professor and Chair,
Anesthesiology Institute
Cleveland Clinic/Lerner College
of Medicine
Cleveland, OH

Agnieszka Trzcinka, MD

Tufts Medical Center
Boston, MA

Avery Tung, MD FCCM

Professor
University of Chicago
Wilmette, IL

Eric Ursprung, MD

Assistant Professor,
Anesthesiology and Critical
Care Medicine
Tufts Medical Center
Boston, MA

Nathan H. Waldron, MD MHS

Duke University Medical Center
Durham, NC

Alycia Wanat-Hawthorne, MD

University of Texas Southwestern
Medical Center
Dallas, TX

Dong-Xin Wang, MD PhD

Professor, Department of
Anesthesiology and Critical
Care Medicine
Peking University First Hospital
Beijing, China

Andrew S. Weisinger, MD

Cardiothoracic and Vascular
Anesthesiologist
Providence Hospital
Columbia, SC

Stuart J. Weiss, MD PhD

Department of Anesthesiology
and Critical Care
University of Pennsylvania
Philadelphia, PA

Lisa Wise-Faberowski, MD MS

Associate Professor,
Anesthesiology
Lucile Packard Children's
Hospital/Stanford University
Palo Alto, CA

Isaac Wu, MD

Assistant Professor of
Anesthesiology at CUMC
Columbia University Medical
Center
New York, NY

Joshua Zimmerman, MD FASE

Associate Professor, Director
of Perioperative Medicine,
Anesthesiology
University of Utah School of
Medicine
Salt Lake City, UT

DESIGNED FOR **RELIABILITY AND ACCURACY.**

Monitoring and airway management
solutions for you — and your patients



Each patient is different, and each surgery is different. That's why our surgical and patient monitoring solutions can help you:

- **Be prepared for the unexpected.**
With the McGRATH™ MAC video laryngoscope.
- **Personalize anesthesia.**
With the BIS™ brain monitoring system.
- **Be alerted to changes in oxygenation and end organ perfusion.**
With the INVOS™ cerebral/somatic oximetry system.

Helping you increase patient safety and improve outcomes. It's our goal, too.

**Visit us at booth 303 for
more information.**



INVOS™ Cerebral/
Somatic Oximetry System



BIS™ Brain Function
Monitoring System



McGRATH™ MAC
Video Laryngoscope



Mallinckrodt™ Evac
Endotracheal Tube
with TaperGuard™ Cuff

Keynote Lecture



Healthcare Ideas for Tomorrow

Delos M. "Toby" Cosgrove, MD

Dr. Delos "Toby" Cosgrove, president and CEO of Cleveland Clinic, is well known as a leader and visionary in pursuit of technological advancement in the field of cardiac surgery. During his keynote presentation, Dr. Cosgrove will discuss his perspective on healthcare, including how the care of cardiac surgical patients has evolved and how physicians will need to evolve for the future success of medicine. This session will be presented in an interview format, moderated by SCA President Dr. Christopher Troianos.

Earl Wynands Lecture



Clinical Trials and Cardiac Surgery

David Mazer, MD

Co-sponsored by SCA, the SCA Foundation (SCAF), and the Canadian Anesthesiologists' Society (CAS), this distinguished lecture, presented by Dr. David Mazer of the University of Toronto, will focus on clinical trials in cardiac surgery. Dr. Mazer is a world-renowned clinical trialist and clinical cardiac anesthesiologist and intensivist. His lecture will define where we are and what the future may hold for the use of clinical research trials to advance care of cardiovascular surgical patients.

SCA Distinguished Service Award Winner

Robert N. Sladen, MBChB FCCM

Dr. Sladen is a native of South Africa who graduated MBChB Summa cum Laude from the University of Cape Town Medical School in 1970, receiving the University Gold Medal for best graduate. He subsequently trained in internal medicine in South Africa and England, anesthesiology at the University of British Columbia in Vancouver, and critical care medicine at Stanford University.

Dr. Sladen is boarded in anesthesiology and critical care, and is a Fellow of the American College of Critical Care Medicine. Dr. Sladen practiced cardiac anesthesiology and critical care at Stanford University, Duke University, and Columbia University.

Dr. Sladen received prestigious teaching awards at Stanford, Duke, and Columbia Universities; was elected to the Virginia Apgar Teaching Academy at Columbia University; and is a recipient of the Shubin-Weil Master Clinician Award from the Society of Critical Care Medicine. He has served as chair of the board of trustees of the International Anesthesia Research Society, president of the Association of Anesthesiology Subspecialty Program Directors, and president of the Society of Critical Care Anesthesiologists, which in 2009 awarded him its Lifetime Achievement Award.

Dr. Sladen has been a member of SCA since 1981. He has served on the Annual Meeting Program Committee, the International Committee, and the Board of Directors.

Schedule

SATURDAY, APRIL 28

6:30 am–6 pm

Registration Open

Grand Sonoran Foyer

6:45–7:55 am

Grand Saguaro East/West

Explore Your Future: Structured Networking Circles

Moderator: Kathryn Glas, MD

This speed-networking-style breakfast is a structured opportunity for Fellows and Residents to meet accomplished leaders in the field of cardiovascular anesthesiology—face to face, in a small group setting.

Separate registration required. Please visit the registration desk for more information.

7–8 am

Problem-Based Learning Discussions (PBLDs)

See page 35 for full schedule. Separate registration required. Breakfast will be available in the Foyer of each room beginning at 6:30 am. The sessions will begin promptly at 7 am.

7–8 am

Continental Breakfast

Sunset Lawn

8–10 am

Grand Saguaro North/South

2018 Updates in Cardiac Anesthesiology—Refresher Course Lectures

Moderator: Amanda Fox, MD

8–8:25 am

Practice Guideline Updates for the Cardiac Anesthesiologist **Martin London, MD**

8:25–8:50 am

What Is Appropriate Blood Pressure During Adult and Pediatric Cardiac Surgery? **Steffen Rex, MD**

8:50–9:15 am

Updates in Cardiopulmonary Bypass **Eugene Hessel, MD**

9:15–9:40 am

Pharmacology and the Cardiac Surgical Patient **David Roth, PhD**

9:40–10 am

Panel Discussion and Audience Q&A

8–11 am

Morning Workshops

See page 32 for full schedule. Separate registration required.

10–10:30 am

Coffee Break

Sunset Lawn

10:30 am–Noon**Grand Saguaro North/South****Acute Aortic Syndromes***Moderator: Yasdet Maldonado, MD*

- 10:30–10:50 am Beyond Echo—State-of-the-Art Imaging for Evaluation of Acute Aortic Syndromes **Brian Ghoshhajra, MD**
- 10:50–11:20 am Evolving Surgical Approaches to Treatment of Acute Aortic Syndromes Involving the Ascending Aorta, Aortic Arch, and/or Descending Aorta **Brad Taylor, MD**
- 11:20–11:40 am Anesthetic Management for Repair of Acute Aortic Syndromes **Albert Cheung, MD**
- 11:40 am–Noon Case-Based Panel Discussion and Audience Q&A

10:30 am–Noon**Grand Sonoran E****Atrial Fibrillation in Cardiac and Thoracic Surgical Patients***Moderator: Jonathan Ho, MD*

- 10:30–10:50 am Mechanisms of Perioperative Arrhythmia 101 **Aman Mahajan, MD**
- 10:50–11:10 am Application of Atrial Fibrillation Risk Models in Clinical Care of Cardiac Surgical Patients **Nathan Waldron, MD**
- 11:10–11:30 am SCA Atrial Fibrillation Continuous Practice Improvement Workgroup: Moving Recommendations to Reality in Cardiac Surgical Patients **J. Danny Muehlschlegel, MD**
- 11:30–11:50 pm Prevention and Treatment of Atrial Fibrillation in Thoracic Surgical Patients **Alessia Pedoto, MD**
- 11:50 am–Noon Panel Discussion and Audience Q&A

11 am–Noon**Grand Sonoran F–G****(Fellow/Resident) Complex Case Poster Presentations: Session 1****Noon–1 pm****Lunch on Your Own**

Quick service menus available at Stonegrill and Twenty6, along with Grab 'n Go available in the Starbucks foyer. Other onsite restaurants also available.

1–3:30 pm**Grand Saguaro North/South****Challenges in Perioperative Assessment and Treatment of Mitral Valve Disease***Moderators: Frederick Cobey, MD; J. Mauricio Del Rio, MD*

- 1–1:20 pm Evolving Solutions for Limitations of Guidelines and Metrics for Evaluation Mitral Regurgitation **Natesa Pandian, MD**
- 1:20–1:40 pm Limitations of Echocardiographic Grading of Mitral Regurgitation **Filippo Sanfilippo, MD**
- 1:40–2 pm Controversies in Surgical Management of Mitral Valve Regurgitation **Frederick Chen, MD**
- 2–2:20 pm Controversies in Catheter-Based Interventions for Management of Mitral Regurgitation **Mary Bechis, MD**
- 2:20–2:40 pm Challenges in Echocardiographic Guidance for Catheter-Based Mitral Repairs **G. Burkhard Mackensen, MD**
- 2:40–3:30 pm Case-Based Panel Discussion

SATURDAY, APRIL 28 (continued)

1–3:30 pm

Grand Sonoran E

Coagulation Management in Cardiovascular Surgery

Moderator: Priya Kumar, MD

- | | |
|--------------|--|
| 1–1:25 pm | Pharmacologic Strategies to “Balance” Coagulation: Aminocaproic Acid, Tranexamic Acid, DDAVP Michael Mazzeffi, MD |
| 1:25–1:50 pm | Factor Concentrates: Heroes or Villains? Kenichi Tanaka, MD |
| 1:50–2:15 pm | Reversal of Anticoagulation Beyond Protamine: Andexanet Alfa, Heparinase, Vitamin K, and More Kamrouz Ghadimi, MD |
| 2:15–2:40 pm | Viscoelastography and Management of the Cardiac Surgical Patient Carlos Galhardo, MD |
| 2:40–3:10 pm | Case-Based Panel Discussion |
| 3:10–3:30 pm | Panel Discussion and Audience Q&A |

1–3:30 pm

Grand Canyon 9–12

Fellow and Resident Program

See page 37 for full schedule of Fellow/Resident programming.

1–4 pm

Afternoon Workshops

See page 32 for full schedule. Separate registration required.

3:30–4:30 pm

Grand Canyon 6–8

Coffee Break With Exhibitors

4–5 pm

Grand Canyon 9–12

(Fellow/Resident) Complex Case Discussion with Expert Panel

See page 37 for full schedule of Fellow/Resident programming. The top four complex cases submitted to the Fellow/Resident Program will be presented orally at this special session. All Annual Meeting attendees are invited to attend! CME will be offered for this session.

4–5:30 pm

Grand Saguaro North/South

Aortic Stenosis: SAVR vs TAVR—Who Wins the Fight?

Moderator: G. Burkhard Mackensen, MD

- | | |
|--------------|---|
| 4–4:20 pm | State of the Art: Severe Aortic Stenosis—When AVR? Natesa Pandian, MD |
| 4:20–4:40 pm | Dynamics of the Heart Team Approach to TAVR vs SAVR Douglas Shook, MD |
| 4:40–5 pm | Moving Toward TAVR in Lower Risk Groups Mias Pretorius, MD |
| 5–5:20 pm | When the Unplanned Happens: Management of Complications in TAVR vs SAVR Srdjan Jelacic, MD |
| 5:20–5:30 pm | Panel Discussion and Audience Q&A |

4–5:30 pm**Grand Sonoran E****We Have Always Done It That Way...But Should We? Mitigating Acute Kidney Injury: Hemodynamics, Fluids, and Renal Support***Moderator: Andrew Weisinger, MD*

- 4–4:30 pm Do We Matter? The Effects of Our Intraoperative Hemodynamic Management on AKI **Viachaslau Barodka, MD**
- 4:30–5 pm Does Our Intraoperative Fluid Management Make a Difference? Fluids In? Fluids Out? **Frederic Billings, MD**
- 5–5:30 pm Is the Die Cast? Goals of Care in First 48 Hours Postop to Protect the Kidneys and the Patient **Joseph Meltzer, MD**

5–6 pm**Grand Sonoran F–G****(Fellow/Resident) Complex Case Poster Presentations: Session 2****SUNDAY, APRIL 29****6:30 am–6 pm****Grand Sonoran Foyer****Registration Open****7–8 am****Problem-Based Learning Discussions (PBLDs)**

See page 35 for full schedule. Separate registration required. Breakfast will be available in the Foyer of each room beginning at 6:30 am. The sessions will begin promptly at 7 am.

7–8 am**Grand Canyon 6–8****Continental Breakfast With Exhibitors****8–9 am****Grand Saguaro North/South****Earl Wynands Lecture***Moderator: Amanda Fox, MD*Clinical Trials and Cardiac Surgery **David Mazer, MD****9–10:30 am****Grand Saguaro North/South****SCA/STS: Tricuspid Valve: Multidisciplinary Approaches to Complex Pathology***Moderator: Stanton Shernan, MD*

- 9–9:20 am Tricuspid Regurgitation: When to Address Surgically During Left-Sided Valve Surgery **Prem Shekar, MD**
- 9:20–9:40 am Percutaneous Tricuspid Valve Repair Therapies **Robert Siegel, MD**
- 9:40–10 am Echocardiography in Tricuspid Valve Decision Making **Stanton Shernan, MD**
- 10–10:30 am Case-Based Panel Discussion

9 am–Noon**Morning Workshop**

See page 32 for full schedule. Separate registration required.

SUNDAY, APRIL 29 (continued)

10:30–11 am

Grand Canyon 6–8

Coffee Break With Exhibitors

11 am–12:30 pm

Grand Sonoran F–G

**Understanding and Preventing Burnout
in Cardiothoracic Anesthesiologists**

Moderator: Tara Brakke, MD

- 11–11:25 am Burnout in the Trainee: What Is the ACGME Doing? **Annemarie Thompson, MD**
- 11:25–11:50 am Addiction and Suicide in the Practicing Physician: Who Is at Risk? **Hilary Grocott, MD**
- 11:50 am–12:15 pm Developing Resilience: Tools to Find Your Best Self **Sasha Shillcutt, MD**
- 12:15–12:30 pm Panel Discussion and Audience Q&A

11 am–12:30 pm

Grand Sonoran E

Anesthesia & Analgesia State of the Art: Patient Safety

Moderator: W. Scott Beattie, MD

- 11–11:25 am You Need Data: Monitoring and Improving Patient Safety **W. Scott Beattie, MD**
- 11:25–11:50 am Effectiveness of Current Methods for Decreasing Medication Errors in Perioperative Medicine **Ludwik Fedorko, MD**
- 11:50 am–12:15 pm Root Cause Analysis, the Final Frontier: A Critical Element for Improving Patient Safety **Norman Buckley, MD**
- 12:15–12:30 pm Panel Discussion and Audience Q&A

11 am–12:30 pm

Grand Saguaro North/South

**SOCOA Session—Identifying Preoperative Considerations
for Optimizing Postoperative Outcomes in the Cardiac
Surgical Intensive Care Unit**

Moderator: Shahzad Shaefi, MD

- 11–11:20 am Frailty in Cardiac Surgery: What Does It Mean and What Can We Do? **Charles Brown, MD**
- 11:20–11:40 am Glycemic Control—Where Do We Stand in 2018? **Douglas Coursin, MD**
- 11:40 am–Noon Neurocognition and Delirium in the ICU for Our Cardiac Surgical Patients: Has the Pendulum Shifted? **Christopher Hughes, MD**
- Noon–12:20 pm Preoperative Anemia in Postoperative Outcomes—What's New? **Steven Hill, MD**
- 12:20–12:30 pm Panel Discussion and Audience Q&A

12:30–1:30 pm

Grand Canyon 1–6

Lunch With Exhibitors

**Scientific Program Poster Presentations: Session 1 (Non-CME)
Cardiac Anesthesia**

See page 41 for full abstract list.

1:30–3 pm**Grand Saguaro North/South****EACTA: Update on Heart Failure Management***Moderator: Donna Greenhalgh, MD*

- 1:30–1:50 pm Perioperative Inotrope Management: Levosimendan vs PDEIII Inhibitors **Michael Sander, MD**
- 1:50–2:10 pm Are Catecholamines So Toxic? **Miguel Garcia**
- 2:10–2:30 pm IABP, Impella, LVAD vs BIVAD? **Steffen Rex, MD**
- 2:30–2:50 pm Right Ventricular Assessment for LVAD and When to Wean Temporary Support **Marian Kukucka, MD**
- 2:50–3 pm Panel Discussion and Audience Q&A

1:30–3 pm**Grand Sonoran E****Controversies in Major Organ Transplantation***Moderator: Priya Kumar, MD*

- 1:30–1:50 pm Cardiac Transplantation in 2018: Anesthetic Management **Alina Nicoara, MD**
- 1:50–2:10 pm Lung Transplantation: To ECMO or Not? **Stuart Weiss, MD**
- 2:10–2:30 pm Ex-Vivo Protection of the Donor Lung **Yong Peng, MD**
- 2:30–2:50 pm Challenges With Combined Transplants **Sreekanth Cheruku, MD**
- 2:50–3 pm Panel Discussion and Audience Q&A

1:30–3 pm**Grand Sonoran F–G****Interventional Arrhythmia Management: From the Electrophysiology (EP) Lab to the OR and Back Again***Moderator: Jonathan Ho, MD*

- 1:30–1:55 pm Multidisciplinary Heart Team Management for Complex EP Patients **Noel Boyle, MD**
- 1:55–2:20 pm A Surgeon's View of EP Patients and Procedures **Gregory Couper MD**
- 2:20–2:40 pm Pro/Con Debate: EP Lab—Does a Cardiac Anesthesiologist Need to Be Here?
Pro: **Jacques (Prince) Neelankavil, MD**
Con: **Jochen Steppan, MD**
- 2:40–3 pm Panel Discussion and Audience Q&A

1:30–4:30 pm**Afternoon Workshop***See page 32 for full schedule. Separate registration required.***3–3:30 pm****Grand Canyon 6–8****Coffee Break With Exhibitors****3:30–5 pm****Grand Saguaro North/South****Super Echo Panel***Co-Organizers: Mary Beth Brady, MD; Kathryn Glas, MD**Moderator: Kathryn Glas, MD**Panelists: Joshua Zimmerman, MD; Alan Finley, MD; Donna Greenhalgh, MD*

- (SE1) An Undiagnosed Finding Using Transesophageal Echocardiography During Transcatheter Aortic Valve Replacement
Derek Lodico; Feroze Mahmood, MD

SUNDAY, APRIL 29 (continued)

- (SE2) Echo Rubik's Cube: Elevated Pressure Gradients in 3 Different Patients 1 year Post TAVR With Normal Functioning Prosthesis
Tariq Naseem, MD; Yoko Kagemoto, MD; Fred Cobey, MD
- (SE3) Percutaneous Closure of a Complex Persistent Shunt After a Previous Percutaneous Patent Foramen Ovale Closure
Shvetank Agarwal, MD; Surbhi Mathur; Melissa Lamrissi, MD; Sean Javaheri, DO; Zahid Amin, MD
- (SE4) Right Ventricular Outflow Tract Obstruction in Hypertrophic Cardiomyopathy Patient with Biventricular Hypertrophy
Kevin Wong, DO; Jennifer Hargrave, DO
- (SE5) Severe Prosthetic Mitral Stenosis Masquerading as Severe Aortic Insufficiency
Joshua Knight, MD; Mariya Geube, MD
- (SE6) Live 3D TEE and Seldinger Technique for a Difficult Coronary Sinus Cannulation
Sridhar Musuku, MD; Dmitriy Yukhvid, MD
- (SE7) Near Total Occlusion of Right Ventricle by Cardiac Mass—An Echocardiographic and Anesthetic Challenge
Samhati Mondal, MD; Megan Kostibas, MD; John Jubar, MD
- (SE8) Echocardiographic Assessment and Impact of Unrecognized Aortic to Left Ventricular Outflow Tract Fistula in a High-Risk Redo Cardiac Surgical Patient
Alex Leone, MD; Andrej Alfirevic, MD

3:30–5 pm

Grand Sonoran F–G

Managing Patients on Extracorporeal Membrane Oxygenation

Moderator: J. Mauricio Del Rio, MD

- | | |
|--------------|---|
| 3:30–3:55 pm | Everything You Needed to Know About ECMO: Indications, Cannulas, and Echo Approach Daryl Oakes, MD |
| 3:55–4:20 pm | Troubleshooting and Managing Pitfalls of ECMO Jacob Gutsche, MD |
| 4:20–4:45 pm | Weaning ECMO Eric Ursprung, MD |
| 4:45–5 pm | Panel Discussion and Audience Q&A |

3:30–5:45 pm

Grand Sonoran E

Best of Meeting Oral Abstract Presentations: Session 1

Moderator: W. Scott Beattie, MD

See page 39 for full abstract list.

5:45–6:45 pm

Grand Canyon 6–8

Reception With Exhibitors

7:30–10:30 pm

40th Anniversary Celebration Reception

Join us for SCA's 40th Anniversary Celebration at the Musical Instrument Museum (MIM) in Phoenix. Enjoy a night of sips, nibbles, and community with your colleagues. Your ticket (\$150; purchase at registration desk) includes one free drink, appetizers, and access to first-floor galleries at the MIM.

- Guests will receive an exchange ticket, which must be brought to the event.
- Round-trip transportation will be available for guests from the JW Marriott Phoenix Desert Ridge to the MIM. Parking is available at the MIM. See your ticket for details.
- Cocktail attire is requested.

MONDAY, APRIL 30**6:30 am–4 pm****Grand Sonoran Foyer****Registration Open****7–8 am****Problem-Based Learning Discussions (PBLDs)**

See page 35 for full schedule. Separate registration required. Breakfast will be available in the Foyer of each room beginning at 6:30 am. The sessions will begin promptly at 7 am.

7–8 am**Grand Canyon 6–8****Continental Breakfast With Exhibitors****8–10 am****Grand Saguaro North/South****Enhanced Recovery After Cardiac Surgery (ERACS)**

Moderators: Priya Kumar, MD; Frederic Billings, MD

8–8:25 am Lessons Learned From Noncardiac Surgery ERAS Pathways
Gabriel Mena, MD

8:25–8:50 am Making the Case for ERAS Pathway for
Cardiac Surgery **Stuart Weiss, MD**

8:50–9:15 am Building the ERACS Pathway **Adam Kingeter, MD**

9:15–9:40 am Execution and Implementation of the ERACS Pathway—
Strategies to Develop, Implement, and Support an
ERACS Pathway **Kenneth Catchpole, PhD**

9:40–10 am Panel Discussion and Audience Q&A

10–10:30 am**Grand Canyon 6–8****Coffee Break With Exhibitors****10:30–11 am****Grand Saguaro North/South****ASA Update**

Moderator: Christopher Troianos, MD

James Grant, MD, ASA President

11 am–Noon**Grand Saguaro North/South****Keynote Lecture**

Moderator: Christopher Troianos, MD

Healthcare Ideas for Tomorrow **Delos "Toby" Cosgrove, MD**

Noon–12:10 pm**Grand Saguaro North/South****Research/Kaplan/Distinguished Service Awards**

Moderators: J. Danny Muehlschlegel, MD; Tjorvi Perry, MD; Amanda Rhee, MD; Christopher Troianos, MD

12:10–12:30 pm**Grand Saguaro North/South****SCA Business Meeting**

Moderator: Christopher Troianos, MD

MONDAY, APRIL 30 (continued)

12:30–1:30 pm

Grand Canyon 1–8

Lunch With Exhibitors

Scientific Program Poster Presentations: Session 2 (Non-CME)

Basic Science, Critical Care, Echocardiography, Perioperative Medicine, Structural Heart

See page 45 for full abstract list.

1:30–3 pm

Grand Sonoran E

Navigating Ventricular Support: When VAD Goes Bad

Moderator: James Anton, MD

1:30–1:50 pm My Patient Needs Mechanical Support: Which One?

Marc Stone, MD

1:50–2:10 pm Mechanical Support for the Failing Right Heart

Nicholas Markin, MD

2:10–2:30 pm Complications of Temporary VAD Support **Timothy Hayes, MBCHB**

2:30–3 pm Case-Based Panel Discussion and Audience Q&A

1:30–3 pm

Grand Sonoran F–G

CCAS: Adult Congenital Heart Disease—Challenges in a Growing Population

Moderators: Lisa Wise-Faberowski, MD; Michael Eaton, MD

1:30–1:55 pm Adult Congenital Heart Disease in 2017: History, Physiology, Prognosis, and Procedures **Lisa Wise-Faberowski, MD**

1:55–2:40 pm What Is the Right Setting for Care and for Training for Adult Congenital Heart Patients?

View 1: Congenital Heart Disease Is a Pediatric Problem That Requires a Pediatric Hospital and Pediatric Trained Cardiac Anesthesiologists **Viviane Nasr, MD**

View 2: Adult Congenital Heart Disease Is an Adult Problem That Requires an Adult Hospital and Adult Trained Cardiac Anesthesiologists **Gregory Janelle, MD**

View 3: Shouldn't I Get a Voice? The Patient's Perspective **Taylor Ezikian, MSW**

2:40–3 pm Panel Discussion and Audience Q&A

1:30–3 pm

Grand Sonoran A–D

Researching the Organs—The Science of Organ Protection

Moderator: J. Danny Muehlschlegel, MD

1:30–1:50 pm Myocardial Ischemia-Reperfusion Injury **David Roth, PhD**

1:50–2:10 pm Protecting the Central Nervous System **Thomas Floyd, MD**

2:10–2:30 pm Protecting the Kidney **Frederic Billings, MD**

2:30–2:50 pm Protecting the Gut **Erik Kistler, MD**

2:50–3 pm Panel Discussion and Audience Q&A

3–3:30 pm

Sunset Lawn

Coffee Break

3:30–5 pm**Grand Sonoran F–G****Practical Approaches to Measuring and Improving Quality***Moderator: James Abernathy, MD*

- 3:30–3:50 pm Clinical Practice Improvement (CPI) and the SCA: What, How, and Why? **Nanette Schwann, MD**
- 3:50–4:10 pm Quality Metrics in Cardiac Anesthesiology: Are There Any? **Laurent Glance, MD**
- 4:10–4:30 pm How Are We Doing? Getting Clinical Care Data and Demonstrating Value to Your Hospital **Avery Tung, MD**
- 4:30–4:50 pm Handover Redesign: Methods and Measures for Detecting (and Sustaining) Improvement **Philip Greilich, MD**
- 4:50–5 pm Panel Discussion and Audience Q&A

3:30–5 pm**Grand Sonoran E****Current Concepts in Cardiac Critical Care***Moderator: Andrew Weisinger, MD*

- 3:30–3:50 pm Resuscitation of the Postcardiac Surgery Patient in 2018 **Michael Sander, MD**
- 3:50–4:10 pm New Strategies for Mechanical Ventilation in the Cardiac Intensive Care Unit **Daniel Johnson, MD**
- 4:10–4:30 pm Sleep Disturbances After Cardiovascular Surgery: Is It Important for Our Patients? **Dong-Xin Wang, MD**
- 4:30–4:50 pm Vasopressin vs Norepinephrine in Patients With Vasoplegic Shock After Cardiac Surgery **Colin Royse, MD**
- 4:50–5 pm Panel Discussion and Audience Q&A

3:30–6 pm**Grand Sonoran A–D****Best of Meeting Oral Abstract Presentations: Session 2***Moderator: Michael Eaton, MD*

This session will include abstract presentations by the recipients of the SCA Fellow and Resident Travel Grants. See page 40 for full abstract list.

5–6 pm**Grand Saguaro North/South****Fireside Chat: Career After Fellowship—How to Manage and Grow?***Moderator: Tara Brakke, MD*

Panelists: James Abernathy, MD; W. Travis Lau, MD; Tjorvi Perry, MD; Sasha Shillcutt, MD; Linda Shore-Lesserson, MD; Christopher Troianos, MD; Andrew Weisinger, MD

TUESDAY, MAY 1**6:30 am–4pm****Grand Sonoran Foyer****Registration Open****7–8 am****Problem-Based Learning Discussions (PBLDs)**

See page 35 for full schedule. Separate registration required. Breakfast will be available in the Foyer of each room beginning at 6:30 am. The sessions will begin promptly at 7 am.

TUESDAY, MAY 1 (continued)

7-8 am

Sunset Lawn

Continental Breakfast

8-10 am

Grand Saguaro North/South

Right Ventricle: Let's Get It Right!

Moderators: Frederick Cobey, MD; J. Mauricio Del Rio, MD

- 8-8:20 am Understanding and Managing Right Ventricular Dysfunction in the Intraoperative Setting **Dalia Banks, MD**
- 8:20-8:40 am Indications, Timing, and Titration of Various Inhaled and Oral Pulmonary Vasodilators **Andre Denault, MD**
- 8:40-9 am Echocardiographic Evaluation of the Right Ventricle **Sasha Shillcutt, MD**
- 9-9:20 am Managing Right Ventricular Failure in the Critical Care Setting **Tariq Naseem, MD**
- 9:20-10 am Case-Based Panel Discussion and Audience Q&A

10-10:30 am

Sunset Lawn

Coffee Break

10:30 am-Noon

Grand Sonoran F-G

New Frontiers in Interventional Echocardiography

Moderator: Nelson Thaemert, MD

- 10:30-10:45 am TAVR: Is Transthoracic Echocardiography as Good as TEE? **Alina Nicoara, MD**
- 10:45-11 am Beyond TAVR: What Can Go Wrong With Transcatheter Replacement of the Other 3 Valves? **Isaac Wu, MD**
- 11-11:15 am Postprocessing Measurements: Is There a Role for Real-Time Analysis? **Georges Desjardins, MD**
- 11:15-11:30 am Left Atrial Appendage Occluders: What to Look for and Why? **Douglas Shook, MD**
- 11:30-11:45 am Key Elements of Guiding a Mitraclip Procedure **Srdjan Jelacic, MD**
- 11:45 am-Noon Panel Discussion and Audience Q&A

10:30 am-Noon

Grand Sonoran E

Moving Toward Value-Based Reimbursement in Cardiac Anesthesia: A Primer for the Provider

Moderators: Bruce Bollen, MD; Tjorvi Perry, MD

- 10:30-10:55 am Value-Based Payment Models **Gordon Morewood, MD**
- 10:55-11:20 am MACRA, MIPS, APMs, and ACOs **Alexander Hannenbergh, MD**
- 11:20-11:45 am Bundled Cardiac Payment Models: Governmental, Employer, and Purchaser Trends **David Reich, MD**
- 11:45 am-Noon Panel Discussion and Audience Q&A

10:30 am–Noon**Grand Sonoran A–D****2018 Updates in Thoracic Anesthesiology***Moderator: Ferenc Puskas, MD*

- 10:30–10:50 am Preoperative Optimization of the Thoracic Surgical Patient **Wanda Popescu, MD**
- 10:50–11:10 am One-Lung Ventilation: Hypoxemia and Oxygen Delivery **Ferenc Puskas, MD**
- 11:10–11:30 am Scopes, Tubes, and Stents: Interventional Pulmonology **Alessia Pedoto, MD**
- 11:30–11:50 am New Frontiers of Fluid Management: Role of Glycocalyx **Jens Lohser, MD**
- 11:50 am–Noon Panel Discussion and Audience Q&A

Noon–1 pm**Grand Canyon 1–5****Lunch on Your Own****Scientific Program Poster Presentations: Session 3 (Non-CME)****Case Reports, Coagulation, Quality Improvement**

See page 49 for full abstract list. Quick service menus available at Stonegrill and Twenty6, along with Grab 'n Go available in the Starbucks foyer. Other onsite restaurants also available.

1–2:30 pm**Grand Sonoran F–G**
**POCUS, FOCUS, FAST, and FATE! What Does
This Ultrasound Alphabet Soup Have to Do With Me?**
Moderator: Mary Beth Brady, MD

- 1–1:15 pm Call to Action: Perioperative Ultrasound Training in Anesthesiology **Feroze Mahmood, MD**
- 1:15–1:35 pm Rescue TTE—The Future Is Here. Benefits and Limitations of Rescue TTE **Tara Brakke, MD**
- 1:35–1:55 pm How Fast Is FAST and What Is in FOCUS? What Do These Mean and Who Are They For? **Joshua Zimmerman, MD**
- 1:55–2:15 pm A Leadership Perspective on the Evolution of Ultrasound Practice—How We Got Here and Where We Are Going **Douglas Shook, MD**
- 2:15–3 pm Panel Discussion and Audience Q&A

1–2:30 pm**Grand Sonoran A–D****ECMO: A Bridge Too Far?***Moderators: Michele Sumler, MD; J. Danny Muehlschlegel, MD*

- 1–1:05 pm Overview of the SCA Ethics Committee **Michele Sumler, MD**
- 1:05–1:25 pm Ethical Principles in Advanced Circulatory Support **Kenneth Prager, MD**
- 1:25–1:45 pm Clinical and Ethical Challenges Regarding ECMO Surgical Decision Making: Building Bridges **Jacob Gutsche, MD**
- 1:45–2:05 pm Implications of ECMO in Critical Care: Where Does This Bridge Go? **Natalia Ivascu, MD**
- 2:05–2:30 pm Case-Based Panel Discussion **Shahzad Shaefi, MD**

TUESDAY, MAY 1 (continued)

1-2:30 pm

Grand Sonoran E

Improving Neurologic Outcome After Cardiac Surgery

Moderators: Yasdet Maldonado, MD; G. Burkhard Mackensen, MD

- 1-1:20 pm Update from SCA Clinical Practice Improvement Subcommittee Working Group on Cerebral Protection **G. Burkhard Mackensen, MD**
- 1:20-1:40 pm Best Practices for Assessing the Atheromatous Burden of the Aorta **Arno Nierich, MD**
- 1:40-2 pm Patient-Specific Blood Pressure Management: Beyond the Lassen Curve and the Goldilocks Principle **Charles Hogue, MD**
- 2-2:20 pm Cerebral Protection During Percutaneous Structural Heart Interventions: What Do I Need to Know? **Hilary Grocott, MD**
- 2:20-2:30 pm Panel Discussion and Audience Q&A

2:30-3 pm

Sunset Lawn

Coffee Break

3-4:30 pm

Grand Sonoran E

Big Data and Clinical and Fiscal Decision Making

Moderators: Miklos Kertai, MD; Bruce Bollen, MD

- 3-3:20 pm Show Me the Data—How Big Data Can Be Made Visible and Understandable Research **Atilio Barbeito, MD**
- 3:20-3:40 pm How Big Data Helped Me With My Business Decisions **Christopher Troianos, MD**
- 3:40-4 pm Role of Big Data in Clinical Research—the STS/SCA Database **Miklos Kertai, MD**
- 4-4:20 pm Role of Big Data in Clinical Research—the MPOG Database **Randal Blank, MD**
- 4:20-4:30 pm Panel Discussion and Audience Q&A

3-4:30 pm

Grand Sonoran F-G

Blood Transfusion/Patient Blood Management

Moderator: Jenny Kwak, MD

- 3-3:20 pm SCA Continuous Practice Improvement Committee Update on Blood Product Management **W. Travis Lau, MD**
- 3:20-3:40 pm No One Wants a Transfusion: Perioperative Blood Management Strategies Across the Surgical Encounter **Philip Greilich, MD**
- 3:40-4 pm What Does the Best Science Tell Us? Randomized Trials in Transfusion **Mike Mazzeffi, MD**
- 4-4:20 pm Banked Blood: Storage, Washing, Leukoreduction, Radiation, and Other Horrors **Jacob Raphael, MD**
- 4:20-4:30 pm Panel Discussion and Audience Q&A

3–4:30 pm**Grand Sonoran A–D****International Perspectives on Cardiac Anesthesiology***Moderators: Davy Cheng, MD; Scott Reeves, MD*

- 3–3:20 pm Cardiac Surgery and Anesthesia in China: Anesthesia Management Outcomes **Hushan Ao, MD**
- 3:20–3:40 pm Rheumatic Heart Disease: Perioperative Monitoring and Management **Carlos Galhardo, MD**
- 3:40–4 pm ECMO vs VAD: Indications and Management in India **Yatin Mehta, MD**
- 4–4:30 pm Panel Discussion and Audience Q&A

4:30–6 pm**Grand Saguaro North/South****Echo Jeopardy!***Moderators: Andrew Maslow, MD; Peter Panzica, MD; Feroze Mahmood, MD***WEDNESDAY, MAY 2****6:30–8:30 am****Grand Sonoran Foyer****Registration Open****7–8 am****Problem-Based Learning Discussions (PBLDs)***See page 35 for full schedule. Separate registration required. Breakfast will be available in the Foyer of each room beginning at 6:30 am. The sessions will begin promptly at 7 am.***7–8 am****Grand Sonoran Foyer****Continental Breakfast****8–11 am****Morning Workshop***See page 32 for full schedule. Separate registration required.***8–11 am****Grand Sonoran F–G****(Fellow/Resident) Perioperative TEE Review Session***See page 37 for full schedule of Fellow/Resident programming.*

Schedule: Workshops and PBLDs

Workshop Coordinator: Sasha Shillcutt, MD
Separate registration required.

SATURDAY, APRIL 28

8–11 am

Grand Sonoran A–D

Workshop 1: Hands-On TTE

Moderators: Tara Brakke, MD; Gregory Janelle, MD

Presentations:

Comparison Views: TTE vs TEE **Heather Reed, MD**

The Basic Exam **Ravi Joshi, MD**

How TTE Has Expanded My Practice **Nicholas Markin, MD**

Station Faculty:

Walker Thomas, BA

Jacob Gutsche, MD

Nicholas Markin, MD

Heather Reed, MD

Georges Desjardins, MD

Ravi Joshi, MD

Kimberly Howard-Quijano, MD

Massimiliano Meineri, MD

8–11 am

Grand Canyon 1–5

Workshop 2: Mechanical Circulatory Support (MCS)

Moderators: Annemarie Thompson, MD; Jenny Kwak, MD

Presentations:

Physiology of Continuous Flow Circulation and Long-Term VAD Support **Jenny Kwak, MD**

Hemodynamic Management of Patients With LVAD Support **Daisuke Nonaka, MD**

Understanding VAD Systems and Alarms **Annemarie Thompson, MD**

Mechanical Circulatory Support: New and Emerging Technologies **James Anton, MD**

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

Echo and ECMO: Assessment Strategies in the ICU **Daniel Johnson, MD**

Hands-On Stations:

Left Ventricular Assist Devices I **James Anton, MD; Kevin Collins, BSN**

Left Ventricular Assist Devices II **Annemarie Thompson, MD; Kevin Collins, BSN**

Percutaneous Ventricular Assist Devices **Daisuke Nonaka, MD**

Intra-Aortic Balloon Pump **Jenny Kwak, MD**

Extracorporeal Mechanical Support Systems **Eric Nelson, DO; Kevin Collins, BSN**

Percutaneous Partial Circulatory Assist Devices **Daniel Johnson, MD**

1–4 pm**Grand Sonoran A–D****Workshop 3: Advanced TEE***Moderators: Nicholas Markin, MD; Kimberly Howard-Quijano, MD***Presentations:**Right Ventricle Quantification **Feroze Mahmood, MD**Mitral Valve Measurements **Stanton Shernan, MD**Cardiac Deformation **Kimberly Howard-Quijano, MD****Hands-On Stations:**Mitral Valve Measurements **Georges Desjardins, MD; Douglas Shook, MD**Right Ventricle Quantification **Feroze Mahmood, MD; Srdjan Jelacic, MD**Cardiac Deformation **Nikolaos Skubas, MD; Kimberly Howard-Quijano, MD**Advanced Quantification **Michele Sumler, MD; Sharon McCartney, MD****1–4 pm****Grand Canyon 1–5****Workshop 4: Interventional Valves and Clips***Moderators: Nelson Thaemert, MD; James Abernathy, MD***Hands-On Stations:**TAVR PBLD **James Abernathy, MD; Heather Reed, MD**TAVR Qlab **Alan Finley, MD; Alexander Mittnacht, MD**TAVR Equipment **Nadia Hensley, MD**Mitraclip PBLD **Ricardo Cardenas, MD; Isaac Wu, MD**Mitraclip Qlab **Mias Pretorius, MD; M. Megan Chacon, MD**Mitraclip Equipment **Charles Nyman, MBBCh****SUNDAY, APRIL 29****9 am–Noon****Grand Sonoran A–D****Workshop 5: Electrophysiology Lab/Pacemaker***Moderators: Jonathan Ho, MD; Eric Nelson, DO***Presentations:**Pacemaker Function and Programming **Jacques (Prince) Neelankavil, MD**Guidelines for Perioperative CIED Management **Kimberly Howard-Quijano, MD**Establishing a Periop PM/ICD Service **Emily Methangkool, MD**EP Perspectives on Perioperative CIED Service **Noel Boyle, MD****Hands-On Stations:**Pacemaker Mode Selection **Kimberly Howard-Quijano, MD; Emily Methangkool, MD**Perioperative ICD Therapy Management **Nicholas Markin, MD; Alexander Mittnacht, MD**Magnet Use **Jonathan Leff, MD; Laeben Lester, MD**Rate Adaptive Features **Jacques (Prince) Neelankavil, MD; Scott Streckenbach, MD**

SUNDAY, APRIL 29 (continued)

1:30–4:30 pm

Grand Sonoran A–D

Workshop 6: Perioperative Ultrasound

Moderators: Bruce Bollen, MD; Andrew Weisinger, MD

Hands-On Stations:

Ultrasound for Evaluation of Hypoxia/Dyspnea **Laebe Lester, MD; Vidya Rao, MD**

FAST Examination **Daisuke Nonaka, MD; Ravi Joshi, MD**

FOCUS Cardiac Examination **M. Megan Chacon, MD; Georges Desjardins, MD**

CPR and TTE **Walker Thomas, BA; Massimiliano Meineri, MD**

Vascular Access **Jens Lohser, MD; Ricardo Cardenas, MD**

WEDNESDAY, MAY 2

8–11 am

Grand Sonoran F–G

Workshop 7: 3D TEE

Moderators: Alina Nicoara, MD; Tjorvi Perry, MD

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? **Georges Desjardins, MD**

Hands-On Stations:

Basic 3D TEE I **Charles Nyman, MBBCh**

Basic 3D TEE II **Saket Singh, MD; Sharon McCartney, MD**

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

Advanced 3D TEE II **Alina Nicoara, MD; Tjorvi Perry, MD**

Advanced 3D TEE III **Peter Panzica, MD**

Advanced 3D Quantification **Georges Desjardins, MD; Nicholas Markin, MD**

Schedule: PBLDs

Annual Meeting PBLD Coordinator (8–33): *Sasha Shillcutt, MD*; TAS PBLD Coordinators (1–7): *Philip Hartigan, MD*; *Rebecca Klinger, MD*

Separate registration required. Each session is limited to 17 participants and 2 faculty members to allow for small-group interaction, discussion, and exchange of ideas.

Breakfast will be available in the foyer of each room beginning at 6:30 am.

Saturday, April 28 (7–8 am)		
PBLD 1	Optimal Pain Management for VATS <i>Alessia Pedoto, MD; Donn Marciniak, MD</i>	Grand Canyon 9
PBLD 2	Carinal Resection: Nuts & Bolts <i>Philip Hartigan, MD; Ju-Mei Ng, MD</i>	Grand Canyon 10
PBLD 3	Lung Transplantation: Management Decisions <i>Peter Slinger, MD; Kenichi Ueda, MD</i>	Grand Canyon 11
PBLD 4	The Patient With Cardiac Disease for Pulmonary Resection <i>Wanda Popescu, MD; Diana Anca, MD</i>	Grand Canyon 12
PBLD 5	Esophagectomy: Just a Belly Case in the Chest? <i>Randal Blank, MD; Stephen Collins, MD</i>	Grand Canyon 13
PBLD 6	Post-Op Management of Complications from Pulmonary Resection <i>Jens Lohser, MD; Chris Durkin, MD</i>	Pinnacle Peak 1
PBLD 7	ECMO in Thoracic Surgery <i>Rebecca Klinger, MD; Eleanor Vega, MD</i>	Pinnacle Peak 2
Sunday, April 29 (7–8 am)		
PBLD 8	Pitfalls and Solutions in Invasive Arterial Pressure Measurement <i>Albert Perrino, MD; Jacob Gutsche, MD</i>	Grand Canyon 9
PBLD 9	Managing the Adult Congenital Patient for Elective Surgery <i>Lisa Wise-Faberowski, MD; Alexander Mittnacht, MD</i>	Grand Canyon 10
PBLD 10	Still Bleeding: Tips and Tricks for Troubleshooting Perioperative Coagulopathy <i>Prakash Patel, MD and Kamrouz Ghadimi, MD</i>	Grand Canyon 11
PBLD 11	STS: Moderate Tricuspid Valve Disease: What Do We Do? <i>Stanton Sherman, MD; Prem Shekar, MD</i>	Grand Canyon 12
PBLD 12	Mitral Regurgitation: A Team-Based Approach to Decision Making <i>Frederick Chen, MD; Douglas Shook, MD</i>	Grand Canyon 13
PBLD 13	Renal Protection Strategies for Cardiac Surgery: What's New? <i>Richa Dhawan, MD; Mark Chaney, MD</i>	Pinnacle Peak 1
PBLD 14	Intraoperative Diagnosis of Severe Low-Flow, Low-Gradient Aortic Stenosis <i>Dalia Banks, MD; Emily Methangkool, MD</i>	Pinnacle Peak 2

WORKSHOPS/PBLDS

Monday, April 30 (7–8 am)		
PBLD 15	Converting From VA ECMO to BIVAD Centrimags: Anesthetic Considerations Nicholas Markin, MD; Timothy Hayes, MBCHb	Grand Canyon 9
PBLD 16	Mitral Repairs: Minimally Invasive—Maximum Headache? Saket Singh, MD; Natalia Ivascu, MD	Grand Canyon 10
PBLD 17	High-Risk Lead Extractions: Who, Where, and How? Ravi Joshi, MD; Nadia Hensley, MD	Grand Canyon 11
PBLD 18	Managing the Patient Taking the New Oral Anticoagulants Alan Finley, MD; Mike Mazzeffi, MD	Grand Canyon 12
PBLD 19	Merit-Based Incentive Payment System: Reaching for the STARS Elizabeth Herrera, MD; Norbert Rios, MD	Grand Canyon 13
PBLD 20	Challenges of Ventricular Assist Device Placement Feroze Mahmood, MD; Vidya Rao, MD	Pinnacle Peak 1
PBLD 21	When Dissection Meets Aortic Insufficiency John (Yianni) Augoustides, MD; Hanjo Ko, MD	Pinnacle Peak 2
Tuesday, May 1 (7–8 am)		
PBLD 22	Right Heart Failure After Heart Transplantation: Help! André Denault, MD; M. Megan Chacon, MD	Grand Canyon 9
PBLD 23	Factor Recombinants, Factor Concentrates, and Fibrinogen Philip Greilich, MD; Kenichi Tanaka, MD	Grand Canyon 10
PBLD 24	Preventing and Managing Perioperative Delirium Frederic Billings, MD; Sreekanth Cheruku, MD	Grand Canyon 11
PBLD 25	Walking on a Wire: TAVR Under Monitored Anesthesia Care Jared Feinman, MD; Sharon McCartney, MD	Grand Canyon 12
PBLD 26	Anesthetic Considerations for Hybrid Approaches of the Aortic Arch Joshua Cohen, MD; Sonia Nhieu, MD	Grand Canyon 13
PBLD 27	Severe Pulmonary Hypertension and Noncardiac Surgery Jonathan Leff, MD; Jochen Steppan, MD	Pinnacle Peak 1
PBLD 28	Interdisciplinary Challenges in the EP Lab: Beyond Specialty Lines Nelson Thaemert, MD; Agnieszka Trzcinka, MD	Pinnacle Peak 2
Wednesday, May 2 (7–8 am)		
PBLD 29	Heparin-Induced Thrombocytopenia and Cardiopulmonary Bypass Michael Eaton, MD; Alycia Wanat-Hawthorne, MD	Grand Canyon 9
PBLD 30	Hypertrophic Cardiomyopathy: Nuts and Bolts Mary Beth Brady, MD; Daryl Oakes, MD	Grand Canyon 10
PBLD 31	Acute Kidney Injury After Cardiac Surgery: What Now? Andrew Shaw, MB; Hong Liu, MD	Grand Canyon 11
PBLD 32	Regional Anesthesia in Cardiac Surgery? Is There Room for Blocks? Himani Bhatt, DO; Ali Shariat, MD	Grand Canyon 12
PBLD 33	The Complex VT Ablation Linda Shore-Lesserson, MD; Diana Anca, MD	Grand Canyon 13

Schedule: Fellow/Resident Program

Fellow and Resident Program Co-Directors: William Culp, MD and Jacques (Prince) Neelankavil, MD

SATURDAY, APRIL 28

6:45–7:55 am

Grand Saguaro East/West

Explore Your Future: Structured Networking Circles

Moderator: Kathryn Glas, MD

This speed-networking-style breakfast is a structured opportunity for Fellows and Residents to meet accomplished leaders in the field of cardiovascular anesthesiology—face to face, in a small group setting.

Separate registration required. Please visit the registration desk for more information.

11 am–Noon

Grand Sonoran F–G

Complex Case Poster Presentations: Session 1

1–2 pm

Grand Canyon 9–12

A Career in Cardiothoracic Anesthesiology: Mission Possible

Moderators: William Culp, MD; Jacques (Prince) Neelankavil, MD

1–1:20 pm

Success in Academic Practice: What I Wish I Knew
When I Started My First Job **Alina Nicoara, MD**

1:20–1:40 pm

A Career in Academics: Research and Clinical Medicine
Michael Eaton, MD

1:40–2 pm

How to Excel at Your First Job **Bruce Bollen, MD**

2–3:30 pm

Grand Canyon 9–12

Problem-Based Learning Discussion: Transcatheter Aortic Valve Replacement (TAVR)

Moderators: James Anton, MD; Ioanna Apostolidou, MD; Wendy Bernstein, MD; Tara Brakke, MD; Albert Cheung, MD; Susan Eagle, MD; John Fox, MD; Brian Gelfand, MD; Yasdet Maldonado, MD; Eric Nelson, DO; Daryl Oakes, MD; Yong Peng, MD; Douglas Shook, MD; Bantayehu Silesi, MD; Emily Teeter, MD; Annemarie Thompson, MD; J. Clint Tippet, MD; Daniel Tolpin, MD; Justin Wilson, MD

4–5 pm

Grand Canyon 9–12

Complex Case Discussion With Expert Panel

Moderators: William Culp, MD; Jacques Neelankavil, MD

Panelists: Dalia Banks, MD; John Fox, MD; Charles Hogue, MD

The top four complex cases submitted to the Fellow/Resident Program will be presented orally at this special session. All Annual Meeting attendees are invited to attend! CME will be offered for this session.

- (F1) Single-Center Case Series of Combined Orthotopic Heart and Liver Transplantation: Perioperative Considerations
Tiffany Williams, MD; Vivek Chellappa, MD; Anahat Dhillon, MD; Vadim Gudzenko, MD; Reshma Biniwale, MD; Ali Salehi, MD
- (F2) Off-Pump Implantation of the Right Ventricular Assist Device in a Patient With Left Ventricular Assist Device, Impella RP, and Heparin-Induced Thrombocytopenia
Nikolai Kolotiniuk, MD; Dalia Banks, MD; Swapnil Khoche, MBBS
- (F3) Independent Lung Ventilation for Management of Pulmonary Edema After Unilateral Pulmonary Thromboendarterectomy
Juan Diaz Soto, MD; Maria Fritock, MD; William Beam, MD; James Newton, MBBS

SATURDAY, APRIL 28 (continued)

- (F4) Prevention of Left Ventricular Outflow Tract Obstruction in Valve-in-Valve Procedure for Native Mitral Valve Stenosis
Dominik Steck, MD; James McCabe, MD; Richard Sheu, MD; Gabriel Aldea, MD; Mark Reismann, MD; Jaffar Khan, BM BCh; G. Burkhard Mackensen, MD

5–6 pm

Grand Sonoran F–G

Complex Case Poster Presentations: Session 2

WEDNESDAY, MAY 2

8–11 am

Grand Sonoran E

Fellow and Resident Perioperative TEE Review Session

Moderators: William Culp, MD and Jacques (Prince) Neelankavil, MD

Separate registration required. Please visit the registration desk to reserve your spot.

Ultrasound Physics **Daryl Oakes, MD**

Artifacts & Pitfalls **Michele Sumler, MD**

Hemodynamic Calculations **Mary Beth Brady, MD**

Congenital Heart **Kimberly Howard-Quijano, MD**

Prosthetic Valve Evaluation **Jonathan Leff, MD**

Scientific Abstracts and Posters

Best of Meeting Oral Abstract Presentations: Session No. 1

SUNDAY, APRIL 29 | 3:30–5:45 PM

(SCA1) Cardiac Index and Brachial Artery Flow Mediated Dilation

Samiya Saklayen, MD; Frederic T. Billings IV, MD; Marcos Lopez, MD

(SCA2) Diabetes Alters Autophagy and Apoptosis Response in Patients Undergoing Coronary Artery Bypass Graft Surgery

Ruby Feng, BA; Robina Matyal, MD; Faraz Mahmood, MD; Jeffrey Bortman, BS; Zhifeng Gao, MD; David Liu, MD; Louis Chu, MD; Kamal Khabbaz, MD; Venkatachalam Senthilnathan, MD; Feroze Mahmood, MD

(SCA3) Myocardial Ischemia Leads to Disregulation of LPA Signaling in the Central Nervous System

Louis Saddic, MD; Kimberly Howard; Aman Mahajan, MD; Mansoureh Eghbali

(SCA4) Mast Cell Activation as a Predictor of Acute Kidney Injury in Cardiopulmonary Bypass Patients

Santiago Uribe Marquez, MD; Jasmine Fowler, BS; Rebecca Klinger, MD; Miklos Kertai, MD; Bradford Berndt, MD; Jörn Karhausen, MD

(SCA5) Massive Left Heart Thrombus in a Post-Heart Transplantation Patient

Perin Kothari, DO; Kristen Holler, DO; Alexander Leone, MD; Carlos Trombetta, MD

(SCA6) Early Identification of Acute Kidney Stress Using Intraoperative Cell Cycle Arrest Biomarkers in Cardiac Surgery

Jared Cummings, MD; Andrew Shaw, MB; Frederic T. Billings IV, MD; Jing Shi, PhD

(SCA7) A Contemporary, Retrospective, Crossover Study of Inhaled Nitric Oxide and Epoprostenol in 160 Postoperative Cardiothoracic Surgical Patients in the Intensive Care Unit

Stephen Freiberg, MD; Kamrouz Ghadimi, MD; Carmelo Milano, MD; Matthew Bean, DO; Jhaymie Cappiello, MS; Alfredo Farjat, PhD; Cathy Vaughan, PharmD; Jill Engel, ACNP; Matthew Hartwig, MD

(SCA8) Incidence and Impact of Neurologic Complications After Cardiac Operations

Albert Cheung, MD; Abe DeAnda, MD; Andrew Shaw, MB

(SCA9) Increased Postoperative Morbidity for Low Socioeconomic Status Patients Following Abdominal Aortic Aneurysm Repair

Matthew Perlstein, MD; Robert White, MD; Gulce Askin, MPH; Robert Bowen, MD; Lisa Rong, MD

(SCA10) Cerebral Autoregulation During and After Cardiac Surgery

Yohei Nomura, MD; Charles Brown, MD; Mitsunori Nakano, MD; Brian Bush, MD; Ken Brady; Charles Hogue, MD

Best of Meeting Oral Abstract Presentations: Session No. 2

MONDAY, APRIL 30 | 3:30–6 PM

(SCA11) Transthoracic and Transesophageal Echocardiography 4 Chamber Views Underestimate Maximal Tricuspid Valve Annular Diameter

James Lee, MD; Gabriela Querejeta Roca, MD; Jose Rivero; Lindsey Molloy, RCS; Josh Zimmerman, MD; Stanton Shernan, MD

(SCA12) Percutaneous Left Atrial Appendage Occlusion: Comparison of 2 Dimensional Versus 3-Dimensional Echocardiographic Quantitative Assessment

Flora Li, MD; G. Burkhard Mackensen, MD; Kei Togashi, MD; Flora Li, MD; Mark Reisman, MD

(SCA13) Inexpensive and Accessible 3-Dimensional Printing of the Left Atrial Appendage From Intraprocedural Transesophageal Echocardiography

Lori Russo, MD; Alexander Kuo, MD

(SCA14) Comprehensive Echocardiographic Assessment of Cardiac Function During Ex-Vivo Heart Perfusion

Giulia Maria Ruggeri, MD; Emanuela Paradiso, MD; Roberto Ribeiro, MD; Bryan Gellner, MEng; Frank Yu, Mr; Joshua Qua Hiansen, MSc; Mitesh Badiwala, MD; Massimiliano Meineri, MD

(SCA15) Assessment of Left Ventricular Diastolic Dysfunction by 2D-Speckle Tracking Echocardiography: Relation Between Pulmonary Capillary Wedge Pressure and Left Ventricular Global Strain Rate During Isovolumetric Relaxation Time in CABG Patients

David Kohanchi, MD; Farzad Ebrahimi, MD; Bryant England, MD; Vaheh Petrossian, MD

(SCA16) Aortic Symmetry Index—Initial Validation of a Novel Preoperative Echo Predictor of Recurrent Aortic Insufficiency After Valve Sparing Operation

Lisa Rong, MD; Antonino Di Franco, MD; Jonathan Weinsaft, MD; Mario Gaudino, MD; Leonard N. Girardi, MD

SCA FELLOW AND RESIDENT TRAVEL GRANT RECIPIENTS

(SCA17) Does Plasma Volume Replacement With 5% Human Albumin Reduce Postoperative Endothelial and Glycocalyceal Disruption, Compared With 6% Hydroxyethyl Starch 130/0.4?

Marta Kelava, MD; Andra Duncan, MD

(SCA18) Metabolomics of Blood Product Transfusion in a Prospective Observational Cohort of Patients Undergoing High-Risk Cardiac Surgery

Nathan Clendenen, MD; Rachel Henderson, BA; Joseph Morabito, DO; Barbara Wilkey, MD; Bryan Ahlgren, DO; Nathaen Weitzel, MD

(SCA19) High-Volume Intraoperative Autologous Blood Collection Reduces Postoperative Bleeding and Transfusion

Reney Henderson, MD; Brittney Williams, MD; Michael Mazzeffi, MD; Kenichi Tanaka, MD; Bradley Taylor, MD

(SCA20) Enhanced Preoperative Prediction of Discharge Location With Combination of Patient-Driven FRail Screen and Preoperative Score

Heather Lander, MD; Jessica Rydingsward, PT; Jenna Stuebe, PT; Tsuyoshi Kaneko, MD; Prem Shekar, MD; Angela Bader, MD; Simon Body, MBChB

(SCA21) Influence of Perioperative Antibiotic Use on Postoperative Cognition

Sarah Cotter, MD; Paul Wischmeyer, MD; John Hunting, MPH; Joseph Mathew, MD; Rebecca Klinger, MD

(SCA22) The Effect of Oxygen Tension on Cerebral Oximetry and Delirium in Cardiac Surgery: A Subgroup Analysis of a Randomized Controlled Trial

Kiran Belani, MD; Ariel Mueller, MA; Philip Chan, MD; Puja Shankar, MD; Shahzad Shaefi, MD

(SCA23) The Effect of High-Dose Remifentanyl Infusion on Acute Postoperative Pain After Cardiac Surgery

Andrea Ibarra; Kathirvel Subramaniam, MD

(SCA24) Intraoperative Microvolt T-Wave Alternans and Postoperative Mortality in Cardiac Surgery Patients

Woo Young Jo, MD; Youn Joung Cho, MD; Chang-Hoon Koo, MD; Tae Kyong Kim, MD; Yunseok Jeon, MD; Jae-Hyon Bahk, MD; Karam Nam, MD; Bo Rim Kim, MD

(SCA25) Assessment of Right Ventricular Function Under One Lung Ventilation During Cardiac Surgery

Robert Searles, DO; Alina Nicoara, MD; Eleanor Vega, MD; Madhav Swaminathan, MD; Rebecca Klinger, MD

(SCA26) Preoperative Risk Score for Atrial Fibrillation Following Cardiac Surgery

Raymond Malapero, MD; Samrachana Adhikari, PhD; Sharon-Lise T. Normand; Shyamal Asher, MD; Jochen Muehlschlegel, MD; Prem Shekar, MD; Douglas Shook, MD; Thoralf M. Sundt, MD; Simon C. Body, MD

(SCA27) The Outcome Effects of Perioperative Continuous Intravenous Infusion of Diltiazem or Nitroglycerine in Patients Undergoing on Pump Coronary Artery Bypass, a Systemic Review and (Network) Meta-Analysis

Xiaopeng Zhang, MD; Yirui Hu, PhD; Xinbei Yang, MS; Xianren Wu, MD; Li Zhang, MD; Alfred Casale, MD; Boscarino Joseph, PhD; H. Lester Kirchner, PhD

(SCA28) Brain-Derived Neurotrophic Factor Levels After Cardiopulmonary Bypass Are Associated With Postoperative Decline in Memory

Charles Hogue, MD; Rachel Bandi, MD; Masha Kocherginsky, PhD; Jordan Grafman, PhD; Charles Brown, MD; Allen Everett, MD

(SCA29) Kidney Function Following Left Ventricular Assist Device

Allison Janda, MD; Mias Pretorius, MD; Frederic T. Billings IV, MD

(SCA30) Ultrasound- Versus Palpation-Guided Radial Artery Catheterization in Infants Under 12 Months Old: A Randomized and Controlled Trial

Dae Kyun Ryu, MD; Jeong Jin Min, MD; Jong-Hwan Lee, MD; Nam-Su Gil, MD; Jungchan Park, MD; Chung Su Kim, MD

(SCA31) Serratus Anterior Plane Block for Robotic Mitral Valve Repair: A Pilot Study

Samion Shabashvili, MD; Ryan Potosky, MD; Robert Nampiaparampil, MD; Krystal Dawkins, BS; Germaine Cuff, PhD; Jennie Ngai, MD; Peter Neuburger, MD

(SCA32) Diastolic Dysfunction is Associated With Adverse Perioperative Outcomes in Patients Presenting for Noncardiac Surgery

Michael Doan, MD; Jacques Neelankavil, MD; Theodora Wingert, MD; Tristan Grogan, MS; Kimberly Howard-Quijano, MD; Aman Mahajan, MD

(SCA33) Modified Tricuspid Annular Plane Systolic Excursion Using Transesophageal Echocardiography and Its Utility to Predict Right Ventricular Dysfunction in Left Ventricular Assist Device Implantation

Sharadha Devi Gunasekaran, MD; Tura Lencho, MD; Yoshihisa Morita, MD

(SCA34) Repair of Type I Aortic Dissection in the Jehovah's Witness Patient Population: A Case Series of 10 Patients

Elizabeth Herrera, MD; Saraswathi Karri, MD; Scott Scheinin, MD; J. Jessica Varisco, PBMC

(SCA35) Timing of Blood Product Transfusion and Postoperative Outcome in Cardiac Surgery

Jose Vielma, BS; Thomas Suarez, MD

(SCA36) Eye Radiation Exposure During Transcatheter Aortic Valve Replacement

Andrew Notarianni, MD; Daina Blitz, MD; Balachundhar Subramaniam, MD; Robert Schonberger, MD; Manuel Fontes, MD; Amit Bardia, MBBS

(SCA37) Impact of Patient and Surgical Characteristics on Postoperative Acute Kidney Injury in a Contemporary Cohort of Patients Undergoing Minimally Invasive Cardiac Surgery

Michael Ting, MD; John Hunting, MPH; Jorn Karhausen, MD; Mark Stafford-Smith, MD; Donald Glower, MD; Nazish Hashmi, MD; Miklos Kertai, MD

(SCA38) Metabolites Associated With Platelet Count and Pulmonary Hypertension in High-Risk Cardiac Surgery Patients

Joseph Morabito, DO MS; Nathan Clendenen, MD; Nathaen Weitzel, MD; Bryan Ahlgren, DO; Rachel Henderson, BA

(SCA39) A Novel Study Analyzing the Role of the Anesthesiologist in Impacting the Outcomes of Patients Undergoing Multilevel Staged Percutaneous Coronary Intervention for Chronic Total Occlusion of Coronaries

Sharadha Devi Gunasekaran, MD; Gaurav Chauhan, MD; Jayakar G. Guruswamy, MD; Raj Modak, MD

(SCA40) Combined Systolic and Diastolic Hypertension in Cardiac Surgical Patients

Andrew Notarianni, MD; Denise Franko, MD; Robert Schonberger, MD; Andres Oswaldo Razo Vazquez, MD; Susan Garwood, MB; Arnar Geirsson, MD; Manuel Fontes, MD; Feng Dai, PhD

(SCA41) Use of Acute Normovolemic Hemodilution and Perioperative Transfusion Requirements in Cardiac Surgical Patients at a Small Community Hospital

Yousef Ahmed, MD; Henry DeYoung, MD; Derek Lodico, DO; Darian Rice, MD

(SCA42) Preoperative Diastolic Hypotension and Acute Kidney Injury After Cardiac Surgery

Denise Franko, MD; Andrew Notarianni, MD; Robert Schonberger, MD; Manuel Fontes, MD; Susan Garwood, MB; Feng Dai, PhD; Amit Bardia, MBBS; Karen Stavris, RN; Miklos Kertai, MD; Paul Heerdt, MD

(SCA43) A Matter of Time: The Effect of Case Start Time on Intraoperative Transfusion Rates in Adult Cardiac Surgery—A Single-Center Retrospective Analysis

Dylan Addis, MD; Chandrika Garner, MD; Rohesh Fernando, MD; Blake Moore, MD

(SCA44) Assessment of Vascular Compliance With EKG and Arterial Blood Pressure Wave

Yoshihisa Morita, MD; Farayi Mbuva, MD; Yurie Sakaguchi, MD

(SCA45) Effect of Concurrent Mitral Valve Surgery for Mitral Regurgitation Upon Mortality After Aortic Valve Replacement or Coronary Artery Bypass Surgery

Shyamal Asher, MD; Raymond Malapero, MD; Gregory Malzberg, BA; Prem Shekar, MD; Tsuyoshi Kaneko, MD; Marc Pelletier, MD; Hari Mallidi, MD; Mahyar Heydarpour, PhD; Douglas Shook, MD; Stanton Shernan, MD; J. Daniel Muehlschlegel, MD; Simon Body, MBChB

(SCA46) Hydroxocobalamin for the Treatment of Refractory Vasoplegia in Patients on Mechanical Circulatory Support: A Case Series

Benjamin Havens, MD; Theodore Cios, MD

(SCA47) Effects of Intraoperative Mechanical Circulatory Support for Patients Undergoing Lung Transplant: Experience From a Single Academic Medical Center.

Mario Farias-Kovac, MD; Yuliana Salamanca-Padilla, MD; Daohai Yu, PhD; Xiaoning Lu, MS; Yoshiya Toyoda; Gordon Morewood, MD

(SCA48) Efficacy of Chest Wall Regional Blocks for Pain Management After Minimally Invasive Cardiac Surgery

Allison Overmon, MD; Rebecca Klinger, MD; Wenjing Qi, PhD; Brandi Bottiger, MD; Yasmin Maisonav, MD

(SCA49) Extending Goal Directed Perfusion Beyond Cardiopulmonary Bypass

Benjamin Abrams, MD; Matthew Mosca, MS; Nathan Clendenen, MD; Lyndsey Graber, MD; George Justison, CCP; David Mack, MS; Bryan Ahlgren, DO; Nathaen Weitzel, MD

(SCA50) Analysis of Clinical Outcomes and Costs Following Transfemoral Transcatheter Aortic Valve Replacement With General Anesthesia Versus Conscious Sedation

Carla Andrea Luzzi, MD; David Orlov, MD; Mark Osten; Eric Horlick, MDcm; Srinivas Coimbatore, MBBS; Jo Carroll, RN; George Djaiani, MD

(SCA51) Utilization of Near-Infrared Spectroscopy in Monitoring Cerebral Oxygenation in Response to Intermittent Perfusion During Deep Hypothermic Circulatory Arrest

Andy Chao Hsuan Lee, MD; Samantha Madrid, MD; Clinton Kakazu, MD; Bassam Omari, MD

(SCA52) Preoperative Coagulation Parameters Predict 30-Day Mortality After Cardiac Surgery

Daniel Barlowe, MD; Jiapeng Huang, MD

(SCA53) Volume Therapy With Gelatine Is Associated With Acute Kidney Injury and Renal Replacement Therapy in Cardiac Surgical Patients

Matthias Heringlake, MD; Enno Reemts, MD; Christian Schmidt, MD; Simon Schemke; Felix Balzer, MD, Efstratios I. Charitos, MD; Astrid Ellen Berggreen, MD

(SCA54) 3-D Determined Vena Contracta Length May Be Associated With the Need for Multiple Clips When Using a Percutaneous Approach to Treating Mitral Regurgitation

Tosanath Leepuengtham, MD; Pankaj Jain, MD; Michael Fabbro, DO

(SCA55) KIM-1 and NGAL as Early Predictors of Renal Damage in a Newborn Population, With Low Body Weight, Undergoing Cardiac Surgery With Cardiopulmonary Bypass

Evelyn Borchert, MD; Katia Gonzalez, MD; Roberto Jalil, MD; Ana María Guzmán, MD; René De La Fuente, MD; Bárbara Gaete, MD; Karina Morales, RN; Lucía Arratia, MD; Guillermo Lema, MD

(SCA56) To TAP or Not to TAP, an Opioid Sparing Approach to Transcatheter Aortic Valve Replacement

Mathew Lopez, MD; Kimberly Howard-Quijano, MD; Jacques Neelankavil, MD; Komal Patel, MD; Matthew Fischer, MD; Parisa Rahman, MD; Siamak Rahman, MD; William Suh, MD; Claudia Bueno, BA; Jennifer Scovotti, MA; Jonathan Ho, MD

(SCA57) Day-to-day Variations in Postoperative White Blood Cell Counts and Atrial Fibrillation After Cardiac Surgery

Alan Smeltz, MD; John Hunting, MPH; Joern Karhausen, MD; Miklos Kertai, MD

(SCA58) Factors Associated With Reperfusion Pulmonary Edema After Pulmonary Thromboendarterectomy

Mary Rhee, MD; Susan Eagle, MD; Jeremy Bennett, MD

(SCA59) Acute Kidney Injury After Orthotopic Heart Transplantation: Risk Factors and Association With Mortality

Jeffrey Lyvers, MD; Alina Nicoara, MD; Mary Cooter, MS; Mark Stafford-Smith, MD; Sharon McCartney, MD; Jacob Schroder; Chetan Patel, MD; Madhav Swaminathan, MD

(SCA60) Veno-Arterial Veno-Venous Extracorporeal Membrane Oxygenation 30 days Survival: Retrospective Analysis

Galina Levyi, MD; Joseph Schwartz, MD; Mudit Kaushal, MD

(SCA61) Low Dose Versus High Dose Tranexamic Acid for Prevention of Perioperative Bleeding in Cardiac Surgery: A Meta-Analysis and Systematic Review

Patrick Broderick, DO; Denise Franko, MD; Sayuri Jinadasa, MD; Alexandria Brackett, MA; Robert Schonberger, MD; Manuel Fontes, MD; Amit Bardia, MBBS

(SCA62) Dose-Dependent Renal Effects of Preoperative Statin in Patients Undergoing Off-Pump Coronary Artery Bypass Grafting

Joan Seungwon Lee, MD; Jeong Jin Min, MD; Jong-Hwan Lee, MD; Jungchan Park, MD

(SCA63) Effect of Greater Than 0.5 MAC of Inhalational Agent on the Usage of Potent Inotropes and Vasoconstrictor Medication During the Post-Bypass Period in Elective Cardiac Surgery

Carlos Guerra Londono, MD; Tara Lenk, DO; Prabhdeep Hehar, DO; Thomas Graul, DO; Marc Murinson, MD; Raj Modak, MD

(SCA64) Predictors of Inotrope/Vasopressor Use After Transcatheter Aortic Valve Replacement

Akeel Merchant, MD; Amanda Fox, MD; Abu Minhajuddin, PhD; Lauren Wehrmann, BS; Lynn Huffman, MD; Michael Jessen, MD; Ravi Joshi, MD

(SCA65) Estrogens and Coagulation System Changes in Patients Undergoing Repeat Sternotomy With Cardiopulmonary Bypass

Rachel Henderson, BA; Barbara Wilkey, MD; Nathan Clendenen, MD; Nathaen Weitzel, MD

(SCA66) No Change in Cardiac Troponin I Levels in Patients With End-Stage Renal Disease Undergoing Arteriovenous Access Surgery

Ketan Shevde, MD; Maryam Siddiqui, BS; Bhanu Seth, BA; Jinhui Zhao, MD; Elizabeth Dryland, DO; Alejandro Zuretti, MD; James Kim, MEng; Joanna Serafin, PhD

(SCA67) Access to High-Volume Transcatheter Valve Centers in Florida

Michael Fabbro, DO; Richard Epstein, MD

(SCA68) Choosing the Anesthetic Sedatives for Supraventricular Tachycardia Ablations: A Focused Review

Greta Mitzova-Vladinov, DNP; Tosanath Leepuengtham, MD; Lilibeth Fermin, MD; Renee Longini; Yanett Ramos; Edward Maratea, MD

(SCA69) Retrospective Cohort Analysis of Risk Factors and Postoperative Complications Following Blood Transfusions During Cardiac Surgery

Jonathan Preminger, BA; Daniel Hart, BA; Oonagh Dowling, PhD; Linda Shore-Lesserson, MD

(SCA70) Current Anesthesia and Post-Procedure Management Techniques for Transfemoral Aortic Valve Replacement (TAVR) in the United States: A Survey of TAVR Centers

Gina Brown, MD; Davinder Ramsingh, MD; Dustin Wailes, MD; Alec Runyon, MD; Matthew Alschuler, BS; Jason Gatling, MD; Justin Pugh, BS; Ryan Lauer, MD; Colin Garner, MD; Magdalena Dimitrova; Bezon Rustomi; Jennifer Shyong, BS

(SCA71) Intracardiac Thrombosis During Orthotopic Liver Transplantation: Role of Transesophageal Echocardiogram for Early Detection and Management

Gloria Rodriguez, MD; Tatiana Jamroz, MD

(SCA72) Methylene Blue Use During LVAD and Heart Transplant Surgery in a Tertiary Care Center

Yefim Vilnits, MD; Patrick Hussey, MD; Koji Takeda; Isaac Wu, MD

(SCA73) The Comparison of Hemodynamic Effects of Intra-Aortic Versus Intravenous Protamine Administration in Cardiac Surgical Patients—a Single Institution, Retrospective Chart Review

Mamta Chura, MBBS; Erica Hawthorne, CCP; Amanda Crosby, CCP; Vaibhav Bora, MBBS; Shvetank Agarwal, MD

(SCA74) Improvements Introduced in Adsorption Filter for Volatile Anesthetic Agents for Cardiopulmonary Bypass

Caetano Nigro Neto, MD; Aron Andrade; Edir Leal, MSC

(SCA75) Effect of Anesthetics on Premature Ventricular Contractions: A Pilot Study

Muhammad Salman Tahir Janjua, MD; Frank Cunningham, RN; Carol Dickerson, MS; Nadine Odo, BA; Mary Arthur, MD

(SCA76) International Survey on Lung Transplantation Anesthesia—A Society for Advancement of Transplantation Anesthesia Project

Kathirvel Subramaniam, MD; J. Mauricio Del Rio, MD; Barbara Wilkey, MD; Justin Tawil, MD; Travis Schisler, MD; Himani Bhatt, DO; Shiva Sale, MD; Kenichi Tanaka, MD; Boisen Michael, MD; M. Susan Mandell, MD

(SCA77) In Line Monitorization of Inhaled and Exhaled Gases Through Membrane Oxygenator During Cardiopulmonary Bypass

Laura Gutierrez, MD; Juan Kling, MD; Olga Quintero, MD

(SCA78) Anesthesia Management of High-Frequency Jet Ventilation in the Cardiac Cath Lab: A Single Institution Chart Review of Initial Experience With 123 Patients

Reginald Bulkley, MD; Andrea Reidy, MD; Madeline Easton, MSIII

(SCA79) Effectivity of Acute Normovolemic Hemodilution in Reducing Allogenic Blood Transfusions on Congenital Heart Surgery in Harapan Kita Hospital Indonesia

Riza Cintyandy, MD; Dewi Puriani, NS; Ibnu Sofa, RN; Abdurrahman Hadi, MD; Salomo Purba, MD; Cindy E. Boom, MD

(SCA80) Intra-Aortic Balloon Pump-Related Morbidity in Patients Undergoing Cardiac Surgery

Robertas Samalavicius, MD; Ieva Norkiene, MD; Lina Puodziukaite, MD; Indre Radaviciute, MD; Irina Misiuriene, MD; Pranas Serpytis, PhD

(SCA81) Anesthesia for Minimally Invasive Cardiac Surgery

Luis Munoz, MD

(SCA82) Hemodialysis Patients Do Not Experience a Prolonged Anesthesia Start Time

James Osorio, MD; Nicole Calautti, BS; Elizabeth Mauer, MS; Kane Pryor, MD; Natalia Ivascu, MD

(SCA83) Impact of Blood Transfusion on Mortality Following Cardiac Surgery

Kiranjit Khazan Singh, MB; Helena Day, RN; Lakshmi Kuppurao, MD

(SCA84) Octogenarian—Growing Population in Cardiac Surgery

Zdenko Povšic-Cevra, MD

(SCA85) The Anesthetic Consideration of Transatrial Left Ventricle Cannulation for Acute Type A Aortic Dissection

Koichiro Seki, MD; Sachiyo Taniue, MD; Sachi Munakata, MD; Hiroko Fukushima, MD; Toshihiro Nohmi, MD

(SCA86) Factors Influencing Pre-Intervention Radial Arterial Line Placement for Transfemoral Transcatheter Aortic Valve Replacement

Jose Navas Blanco, MD; Stephanie Cook, DO; Christine Acho, DO; Trevor Szymanski, MD

(SCA87) Refractory Hypotension in Carotid Endarterectomy Requiring Methylene Blue

Frederick Conlin, MD; Saravanakumar Manickam, MD

(SCA88) Transcatheter Aortic Valve Replacement—Management and Early Outcome

Nikola Bradic, MD; Daniel Unic, MD; Boris Starcevic, MD; Mislav Planinc, MD

(SCA89) Is the Extra Poke for Watchman Procedures Even Necessary? A Pilot Study to Examine the Utility of Arterial Lines for Watchman Procedures

Naushad Ahmed, DO; Joseph Sanders, MD



**Instrumentation
Laboratory**

A Werfen Company

**Please visit us
at Booth #515**

Scientific Poster Session No. 2 (Non-CME): Basic Science, Critical Care, Echocardiography, Perioperative Medicine, Structural Heart

MONDAY, APRIL 30 | 12:30–1:30 PM

(SCA90) PGC-1 α and Cardiac Mitophagy in Syngenic Heterotopic Mouse Heart Transplantation

Anne Cherry, MD; Kristine Porter, BS; Hagir Suliman, PhD; Allan Kirk, MD; Claude Piantadosi, MD

(SCA91) DNA Methylation Profiling in Atrial Fibrillation

Caroline Connor, MD; Mahyar Heydarpour, PhD; Sary Aranki; Prem Shekar, MD; Tsuyoshi Kaneko, MD; Marc Pelletier, MD; Hari Mallidi, MD; Simon Body, MBChB; J. Daniel Muehlschlegel, MD

(SCA92) Patient-Specific 3D Printed Transesophageal Echocardiography Heart Phantom: Preliminary Assessment of Image Quality

Joshua Qua Hiansen, MSc; Giulia Maria Ruggeri, MD; Azad Mashari, MD; Massimiliano Meineri, MD

(SCA93) The Development of a High-Fidelity and Low-Cost Digital TEE Simulator and a 3D Printed TEE Probe Controller

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

(SCA94) Retrospective Case Series Examining the Clinical Course of Influenza Patients Requiring ECMO and Mechanical Circulatory Support

David Garcia, DO; Nathan Waldron, MD; Rachael Minz-Cole; Mary Cooter, MS; Mani Daneshmand, MD; Shawn Hansberry, MD; Hassan Amhaz, MD; Cameron Wolfe, MBBS; Mihai Podgoreanu, MD; Raquel Bartz, MD; Quintin Quinones, MD

(SCA95) Experience of Low Flow Veno-Venous Extracorporeal Carbon Dioxide Removal in Surgical Patients of 2 Quaternary Cardiothoracic Hospitals

Christopher Walker, MB; Victoria Poppy Laxton, MBBS; Katarina Lenartova, MD; Alex Rosenberg, FCICM

(SCA96) Prognostic Factors for Clinical Outcomes After LVAD Placement: Intraoperative RV Speckle-Tracking Strain Compared to Conventional Echocardiography and Mean PA Pressures

Marvin Chang, MD; Gaston Cudemus, MD

(SCA97) Prognostic Factors Associated With Mortality and Major Neurological Complications After Deep Hypothermic Circulatory Arrest: The Role of Pulmonary Hypertension as a Potential Modifiable Risk Factor?

Marvin Chang, MD; Atsushi Yasuda, MD; Masahiko Ando, MD; Nobuo Sasaki, MD; Serguei Melnitchouk, MD; Fumito Ichinose, MD

(SCA98) Peripheral Venous Waveform Analysis Correlates With Pulmonary Capillary Wedge Pressure in a Porcine Hemorrhagic Shock Model

Kristi Lorenzen, MD; Kelly Kohorst, MD; Kyle Hockering, PhD; Susan Eagle, MD

(SCA99) Eight-Year Institutional ECMO Experience at a Quaternary Referral Center

Jamel Ortoleva, MD; Gaston Cudemus, MD; Adam Dalia, MD

(SCA100) Central Venous Pressure as an Indicator for Post-Left Ventricular Assist Device Implantation Renal Failure

John Fox, MD; Eric Ursprung, MD; Michael Young; Miguel Suarez, MD; Michael Casimir, MD; Ingrid Moreno-Duarte, MD; Fred Cobey, MD

(SCA101) Augmented Reality and Ultrasound Education: Initial Experience

Faraz Mahmood, MD; Ruby Feng, BA; Zhifeng Gao, MD; Jeffrey Bortman, BS; Valeria Hunter; Robina Matyal, MD; Ruma Bose, MD; John Mitchell, MD; Stephanie Jones, MD

(SCA102) Intraoperative Assessment of Mitral Annular Velocity and Displacement by TDI and Speckle-Tracking

Eckhard Mauermann, MD; Michael Vandenheuvel, MD; Stefaan Bouchez; Patrick Wouters, MD

(SCA103) Utility of Novel Alternatives to TAPSE and TDI-Based Tricuspid Annular Velocities in TEE

Eckhard Mauermann, MD; Michael Vandenheuvel, MD; Stefaan Bouchez; Patrick Wouters, MD

(SCA104) Rescue Echo for Noncardiac Surgeries: Analysis of an Institutional Initiative

Crystal Tan, MD; Kenneth Shelton, MD; Genevieve Staudt, MD

(SCA105) Objective Evaluation of the Accuracy of a Transesophageal Echo Image Evidence of Preclinical Proficiency

Faraz Mahmood, MD; Robina Matyal, MD; Jeffrey Bortman, BS; Ziyad Knio, BS; John Mitchell, MD; Feroze Mahmood, MD

(SCA106) Prognostic Factors for Clinical Outcomes After Pulmonary Thromboendarterectomy: Intraoperative RV Speckle-Tracking Strain Compared to Conventional Echocardiography and Mean PA Pressures

Marvin Chang, MD; Gaston Cudemus, MD

(SCA107) The Relationship Between Intraoperative Hyperoxia and Echocardiographic Measures of Left Ventricular Systolic Function in Cardiac Surgical Patients

Alexander Shapeton, MD; Shahzad Shaefi, MD; Ariel Mueller, MA; Julia Larson, BS

(SCA108) Comparison of Tricuspid Annular Diameter Measurement Using 2-Dimensional and 3-Dimensional Transesophageal Echocardiography

Robert Ginnebaugh, MD; Lindsey Molloy, RCS; Tiffany Rodrigues, RCS; John Fox, MD; Stanton Shernan, MD; Charles Nyman, MBChB

(SCA109) Exercise Versus Dobutamine for Stress Echocardiography in Patients With Hypertrophic Cardiomyopathy

Ali Elsayes, MD; Farhad Zahedi, MD; Alaa Basura, MBBS; Andre Fiche Gosling, MD; Frederick Cobey, MD; David Moss, MD

(SCA110) Intraoperative Transvalvular Gradients Following Aortic Valve Replacement: Do They Matter?

Meredith Whitacre, MD; Sharon McCartney; John Hunting, MPH; Madhav Swaminathan, MD; Mary Cooter, MS; Zainab Samad, MBBS

(SCA111) Echocardiographic Evaluation of Left Ventricular Strain During Ex Vivo Heart Perfusion

Emanuela Paradiso, MD; Giulia Maria Ruggeri, MD; Joshua Qua Hiansen, MSc; Roberto Ribeiro, MD; Bryan Gellner, MEng; Mitesh Badiwala, MD; Massimiliano Meineri, MD

(SCA112) Safety of Transesophageal Echocardiography for Heart Surgery in Patients With History of Previous Bariatric Surgery

Marta Kelava, MD; Jennifer Hargrave, DO; Marijan Koprivanac, MD

(SCA113) Prognostic Factors for Clinical Outcomes After Orthotopic Heart Transplantation: Intraoperative RV Speckle-Tracking Strain Compared to Conventional Echocardiography and Mean PA Pressures

Marvin Chang, MD; Gaston Cudemus, MD

(SCA114) Concordance Evaluation Among 3 Methods for Cardiac Output Measurement in Adult Patients During Their Postoperative Care of Cardiovascular Surgery

Luis Munoz, MD

(SCA115) Intraoperative Assessment of Right Ventricular Strain During Pulmonary Endarterectomy Using Tissue Tracking Technology

Massimiliano Meineri, MD; Andrea Berardino; Medical Student; Karen McRae, MD; Marc DePerrot, MD

(SCA116) Using Transesophageal Echocardiography to Prevent Possible AVR Reintervention

Adam McIntyre-Smith, MD; Ankit Jain, MBBS; Robert Medearis, DO

(SCA117) Point-of-Care Ultrasound Aids in Diagnosis and Management of Patients in the Post-Anesthesia Care Unit

Alexander Fu, MD; Jonathan Ho, MD; Cecilia Canales, MPH; Jacques Neelankavil, MD; Kimberly Howard-Quijano, MD; Sumit Singh, MD

(SCA118) Real-Time Simulation of Transesophageal Echocardiography Displaying Original Patient Images in Monoplane, Biplane, and 3-Dimensional Formats

Florence Sheehan, MD; Edward Gill; Rosario Freeman, MD

(SCA119) Immediate Impact of Lung Transplant and Pulmonary Endarterectomy Right Ventricular Strain Assessed by Intraoperative Transesophageal Echocardiography

Massimiliano Meineri, MD; Andrea Berardino; Karen McRae, MD; Marc DePerrot, MD; Shaf Keshavjee, MD

(SCA120) Calibrating the Qualitative Assessment of Depressed Right Ventricular Function With FAC

Vaibhav Bora, MBBS; Daniel Limb, BS; Taylor Glenn, BS; Nadine Odo, BA; Mary Arthur, MD

(SCA121) Comparison of Left Atrial Measurements by 2- and 3-Dimensional Transesophageal Echocardiography

Jenny Kwak, MD; Andrea Polito, BS; Pierre LeVan, MD; Michael Majewski, MD; Mina Oftadeh, DO; William Adams, PhD; Michael Haske, MD; Kimberly Burcar, MD

(SCA122) Vendor Neutral Right Ventricular Strain Assessment—A Feasibility Study

Zhifeng Gao, MD; Robina Matyal, MD; Faraz Mahmood, MD; Ruby Feng, BA; Jeffrey Bortman, BS; Feroze Mahmood, MD; John Mitchell, MD

(SCA123) Left Ventricular Aneurysm Versus Pseudoaneurysm With an Apical Thrombus

Amanda Cole, MD; Sajjad Ibrar, MD; Antonio Chiricolo, MD; Leonard Lee, MD; Aziz Ghaly

(SCA124) Biplane Imaging for Guidance of PA Catheter Placement

David Cheng, MD; David Langdon, MD; Luiz Ferreira Maracaja Neto, MD; Michael Little, MD

(SCA125) Intracardiac Thrombosis During Orthotopic Liver Transplantation: Role of Transesophageal Echocardiogram for Early Detection and Management

Gloria Rodriguez, MD; Tatiana Jamroz, MD

(SCA126) 3-Dimensional Transesophageal Echocardiography Evaluation of the Aortic Valve Coaptation Length and Effective Height in Early and Late Diastole

Austin Pulliam, MD; Hariakesh Subramanian, MBBS; Trevor Szymanski, MD

(SCA127) Pulsatility Index Reported by the Left Ventricular Assist Device Does Not Correlate With the Pulsatility Index Measured by Echocardiography

Hariakesh Subramanian, MBBS; Austin Pulliam, MD; Nicholas Yeldo, MD; Raj Modak, MD

(SCA128) Resolution of Prosthetic Mitral Valve Paravalvular Leak With Ventricular Septal Defect Occluder Device

Kristine Pearson-Chauhan, DO; Pierre LeVan, MD; Mina Oftadeh, DO; Emily Schmidt, MD

(SCA129) TEE Guidance for Type A Dissections: Identifying High-Risk Features to Inform Surgical Interventions

Stephanie D. Souza, MD; Rebecca Aron, MD

(SCA130) Association Between Low Hemoglobin Levels and Readmission Rates in Patients Who Decline Blood Transfusions

Linda Hormozi, MD; Mary Cooter, MS; Nicole Guinn, MD

(SCA131) Epigenome-Wide Association Study of Postoperative Atrial Fibrillation After Cardiac Surgery

Matthew Fischer, MD; Emma Monte, PhD; Maximilian Cabaj, BS; Todd Kimball, BS; Jennifer Scovotti, MA; David Elashoff; Kimberly Howard-Quijano, MD; Aman Mahajan, MD; Thomas Vondriska, PhD

(SCA132) Preoperative Anemia as a Risk Factor for Postoperative Morbidity in Patients Undergoing Lung Transplantation

Marisa Hernandez-Morgan, MD; William Edwards, MD; Kimberly Howard-Quijano, MD; Jacques Neelankavil, MD; Tristan Grogan, MS; Emily Methangkool, MD

(SCA133) Use of Preoperative Chlorhexidine Mouthwash to Reduce Postoperative Pneumonia After Cardiac Surgery: A Meta-Analysis and Systematic Review

Patrick Broderick, DO; Daina Blitz, MD; Sayuri Jinadasa, MD; Denise Hersey, MA; Robert Schonberger, MD; Manuel Fontes, MD; Amit Bardia, MBBS

(SCA134) Health Economic Consequences of Cardiac Surgery-Associated Acute Kidney Injury

Andrew Shaw, MB; Albert Cheung, MD; Abe DeAnda, MD

(SCA135) Lower Discharge Hemoglobin Does Not Impact 30-Day Readmission Rates in Coronary Artery Bypass Surgery Patients

Brian Cho, MD; Vincent DeMario, BS; Nadia Hensley, MD; Charles Brown, MD; Kaushik Mandal, MD; Steven Frank, MD

(SCA136) Impact Assessment of a Perioperative Point of Care Ultrasound Service: A Quality Improvement Initiative

Alec Runyon, MD; Dustin Wailes, MD; Davinder Ramsingh, MD; Jaron Yang, MS; Gary Stier, MD; Robert Martin, MD; Melissa McCabe, MD; Carin Mascetti, MD; Ryan Lauer, MD; Jason Gatling, MD; Michael Benggon, MD; Gina Brown, MD

(SCA137) Latent Class Mixed Modeling of Serum Creatinine Trajectories: A Novel Approach to Assessing Acute Kidney Injury Following Cardiac Surgery

Benjamin Andrew, BS; Carl Pieper, DrPH; Anne Cherry, MD; Jane Pendergast, PhD; Jamie Privratsky, MD; Carrie Moore, MD; Mark Stafford-Smith, MD

(SCA138) Demographic Indicators of Increased Length of Stay Following Abdominal Aortic Aneurysm Repair

Robert Bowen, MD; Robert S White, MD; Matthew Perlstein, MD; Gulce Askin, MPH; Lisa Rong, MD

(SCA139) Outcomes After Transcatheter Aortic Valve Replacement: A Propensity Matched Retrospective Cohort Study

Ethan Brovman, MD; Richard Urman, MD; Robert Lekowski, MD

(SCA140) Perioperative Predictors and Impact of Hyperglycemia in Nondiabetic Patients After Cardiac Surgery

Lian Ti, MBBS; Vikaesh Moorthy, MBBS; Ming Ann Sim, MBBS; Sophia Tsong Huey Chew, MD; Weiling Liu, BSc

(SCA141) Developing a Proficiency Index for Perioperative Ultrasound Training

Rabia Amir, MD; Stephanie Jones, MD; John Mitchell, MD; Mario Montealegre-Gallegos, MD; Feroze Mahmood, MD; Ting Hai, MD; Faraz Mahmood, MD; Jeffrey Bortman, BS; Ruby Feng, BA; Robina Matyal, MD

(SCA142) Quantitative and Physiological Predictors of Neurological Dysfunction Following Cardiac Surgery

Joanna Semrau, BSc; Stephen Scott, PhD; G. Andrew Hamilton, MD; Dimitri Petsikas, MD; Gianluigi Bisleri, MD; Darrin Payne, MD; Tarit Saha, MBBS; J. Gordon Boyd, MD

(SCA143) Intercoastal Nerve Blocks Using the Combination of Liposomal and Plain Bupivacaine Decrease Postoperative Opioid Use Compared to Liposomal Bupivacaine Alone in Patients Undergoing Video-Assisted Thoracoscopic Surgery for Wedge Resection

Adam Hill, MD; Lyla Hance, MPH; Paula Strassle, MSPH; Lavinia Kolarczyk, MD; Emily Teeter, MD; Jason Long, MD; Benjamin Haithcock, MD

(SCA144) Intraoperative Effects of Methylene Blue Effects on Pulse Oximetry in Open Thoracoabdominal Aneurysm Repairs

Lisa Rong, MD; Robert White, MD; Elizabeth Mauer, MS; Taylor Mustapich, BA; Stephen Marcott, BS; Michele Steinkamp, RN; Kane Pryor, MD

(SCA145) Effect of Large Volume Paracentesis Performed Just Prior to TIPS Procedure on the Hemodynamic Management During the Procedure

Hanzhou Li, BA; Zhuo Sun, MD; Jayanth Keshavamurthy, MD; Shvetank Agarwal, MD

(SCA146) Evaluation of Clinical Impact of Noninvasive Hemodynamic Monitoring to Optimize Preventative Care of Heart Failure Patients

Alec Runyon, MD; Davinder Ramsingh, MD; Dustin Wailes, MD; Ryan Lauer, MD; Elnaz Omran, MD; Gina Brown, MD; Jason Gatling, MD; Justin Pugh, BS; Matthew Alschuler, BS; Laurel Kelley, MS; Shreya Maharana, BS; Rimisha Lal, BS

(SCA147) Current Practice Strategies in the Acute Care Setting and the Utilization of Point of Care Ultrasound: A Survey Study Across All Acute Care Specialties

Gina Brown, MD; Davinder Ramsingh, MD; Dustin Wailes, MD; Alec Runyon, MD; Jason Gatling, MD; Gary Stier, MD; Justin Pugh, BS; Ihab Dorotta, MD; Brian Chung; Matthew Alschuler, BS; Ryan Lauer, MD

(SCA148) Clinical Practice Gaps in Shock Management: An Analysis of Anesthesiologists

Jelena Spyropoulos, PhD; Suzanne Hughes, MSN; Stacey Hughes, BS

(SCA149) Establishing Best Practices for Geriatric Patients Undergoing Transcatheter Aortic Valve Replacement: A Call to Action

Bryan Kidd, MD; Emily Teeter, MD; Lavinia Kolarczyk, MD

(SCA150) Variations in Mitral Valve Reserve Function in Ischemia Cardiomyopathy in Nonregurgitant Valves

Faraz Mahmood, MD; Eitezaz Mahmood, BA; Jeffrey Bortman, BS; Ruby Feng, BA; Zhifeng Gao, MD; Robina Matyal, MD; Feroze Mahmood, MD; Kamal R Khabbaz

(SCA151) Transcatheter Tricuspid Valve Replacement in a Native Tricuspid Valve with a Novel Atrioventricular Valved Stent

Derek Atkinson, MD; Matthew Barajas; Isaac Wu, MD

(SCA152) Transcatheter Mitral Valve Replacement in a Native Mitral Valve With a Novel Dual-Stent Device

Matthew Barajas, MD; Isaac Wu, MD; Derek Atkinson, MD

(SCA153) Difficulty of Management of Mild Shunt Flow Through Aorto-Right Ventricular Fistula After Transcatheter Aortic Valve Implantation. Shunt Flow Was Mild at Discharge, But 1-Year Later, Shunt Flow Increased and Presented With Heart Failure. Case Report.

Satoshi Jujo, MD; Osamu Kobayashi, MD PhD; Yukio Takahashi, MD; Junshi Kawakami, MD; Eriya Imai, MD

(SCA154) Transatrial Implantation of a Balloon-Expandable Transcatheter Heart Valve in a Patient With Severe Mitral Annular Calcification

Todd Dodick, MD; Isaac Wu, MD

(SCA155) Advancing Anesthetic Management in Transcatheter Aortic Valve Replacement

Heidi Davis, DO; Kimberly Nicol, DO; Joseph Sanders, MD



Smart.
Proactive decision support.
Innovation.

**Visit us at booth 501
SCA 2018 annual congress**

Edwards, Edwards Lifesciences, and the stylized E logo are trademarks of Edwards Lifesciences Corporation. All other trademarks are the property of their respective owners. © 2018 Edwards Lifesciences Corporation. All rights reserved. PP-US-2359 v1.0

Edwards Lifesciences • edwards.com
One Edwards Way, Irvine CA 92614 USA



Edwards

**Root[®] with Next Generation SedLine[®]
Brain Function Monitoring and O3[®]
Regional Oximetry**

A More Complete Brain Monitoring Solution



Visit Masimo Booth #400



© 2018 Masimo Corporation. All rights reserved.

PLC0001748/PLM010801A0318
ALLT10193E

Scientific Poster Session No. 3 (Non-CME): Case Reports, Coagulation, Quality improvement

TUESDAY, MAY 1 | NOON-1 PM

(SCA156) Prekallikrein Deficiency: A Challenge in Management of Anticoagulation on Cardiopulmonary Bypass

Shyamal Asher, MD; Daniel FitzGerald, CCP; Jean Connors, MD; Agnieszka Trzcinka, MD

(SCA157) Aortic Valve Replacement and Coronary Artery Bypass Grafting in a Patient With Erythropoietic Protoporphyrria

Lu Zheng, MD; Donna Kucharski, MD

(SCA158) Aortic Valve Replacement and Coronary Artery Bypass Grafting in a Patient With Erythropoietic Protoporphyrria

Lu Zheng, MD; Donna Kucharski, MD

(SCA159) Unexpected Intraoperative Discovery of Type A Aortic Dissection

Ronny Munoz-Acuna, MD; Alexander Shapeton, MD; Megan Krajewski, MD

(SCA160) Implantation of Heartware Ventricular Assist Device in Right Atrium on a Patient With Right Ventricular Failure From the D-Transposition of Great Arteries and the Mustard Procedure

Jeongae Yoon, MD; Yoshiya Toyoda; Gordon Morewood, MD

(SCA161) A Case Report of Left Subclavian TAVR Under Combined Interscalene and Pectoralis Nerve Block With Moderate Sedation

Michael Block, MD; Darsi Pitchon; Jaeyoon Chung, MD; John Entwistle, MD; Eric Schwenk, MD; Jaime Baratta; Nicholas Ruggiero, MD; Jordan Goldhammer, MD

(SCA162) The Value of Dynamic 3-Dimensional Proximal Isovelocity Surface Area: Preventing Unnecessary Mitral Valve Replacement in a High-Risk Patient

Andre Gosling, MD; Jeffrey Lyvers, MD; Frederick Cobey, MD

(SCA163) Laparoscopic Sleeve Gastrectomy in a Patient With Fontan Physiology

Christina Jelly, MD; Kathryn Slattery, MSN; Man Piu (Mark) Wong, MD

(SCA164) A Case of the "Otomies": Redo-Sternotomy Patient With a Sternal Osteophyte Penetrating the Ascending Aorta

Raiyah Sherifdeen, MD; Daryl Oakes, MD; Ethan Jackson, MD

(SCA165) Acute Right Ventricular Failure After Surgical Drainage of Pericardial Tamponade: A Case Report of Pericardial Decompression Syndrome and Review of the Literature

Jaeyoon Chung, MD; Jordan Goldhammer, MD; Corey Herman, MD; Elizabeth Wolo, MD; Levi Ocken, MD

(SCA166) Embolization of Prosthesis During Transcatheter Aortic Valve Replacement: Are We Doing Our Measurements Correctly?

Andre Gosling, MD; Frederick Cobey, MD; John Fox, MD; Ali Elsayes, MD; Prakash Patel, MD

(SCA167) Color Flow Doppler Ultrasound Combined With a Sphygmometer for Noninvasive Blood Pressure Measurement in a Patient With a Left Ventricular Assist Device

Laeen Lester, MD; Mariam Salisu, MD; Domagoj Mladinov, MD; Kimberly Hollander, MD

(SCA168) Mutation of Titin as the Etiology of Dilated Cardiomyopathy: A Case Report

Gloria Rodriguez, MD; Rafael Cabrales, MD

(SCA169) Placement of Amplatzer™ Amulet™ Left Atrial Appendage Occluder

Marcus Behrens, MD; Aaron Reynolds, MD

(SCA170) Emergent Percutaneous Aortic Valve Replacement Complicated by Arrest, Requiring ECMO and Impella Support

John Kaminski, MD; Jamel Ortoleva, MD; John Mitchell, MD; Shahzad Shaefi, MD

(SCA171) Pulmonary Endarterectomy in 19-Year-Old Female With May-Thurner Syndrome and Bilateral Pulmonary Emboli Requiring Veno-Arterial Extracorporeal Membrane Oxygenation

Michelle DaCosta, MD; Michael Duggan, MD

(SCA172) Repair of Acute Aorto-Pulmonic Endocarditis Complicated by Aortic Root Abscess and Aorto-Pulmonary Fistula

Akif Shinaishin, MD

(SCA173) Transatrial Deployment of Sapien 3 Valve for Mitral Stenosis Via Redo-Redo Sternotomy

Christina Jelly, MD; Michael Fitzsimons, MD; Yasmine Tameze, MD

(SCA174) Right Atrium-Superior Vena Cava Junction Rupture in Blunt Thoracic Trauma

Ettore Crimi, MD; John Heinbockel, MD; Bao Hoang, MD

(SCA175) Transesophageal Echocardiographic Guidance for Transseptal Puncture in a Patient With Previous Septal Occluder Device Presenting for PVI Ablation

Pierre LeVan, MD; Mina Oftadeh; Kimberly Burcar, MD; Michael Majewski, MD

(SCA176) Withdrawn

(SCA177) Complicated Pacemaker Insertion in a Patient With Undiagnosed Cor Triatriatum Dexter

Rafael Cabrales, MD; Rebecca Wong, MBBS

(SCA178) Successful Hemostatic Management of a Patient With Indeterminate Type Von Willebrand Disease Undergoing Coronary Bypass Surgery

Timothy Del Rosario, MD; Ankit Jain, MBBS; Darius Jamschidian, MD

(SCA179) Serious Brain Injury Possibly Caused by Cerebral Hyperperfusion Syndrome During Total Arch Replacement With Selective Antegrade Cerebral Perfusion

Yuki Okazawa, MD; Yoshiaki Ishiguro, MD

(SCA180) Cardiac Tamponade—A Rare But Deadly Complication Following Laparoscopic Paraesophageal Hernia Repair

Sharadha Devi Gunasekaran, MD; Joseph Sanders, MD

(SCA181) Symptomatic Left Atrial Blood-Filled Cyst Characterized by 3-Dimensional Transesophageal Echocardiography

Orlando Suero, MD; Adam Lichtman, MD

(SCA182) Anesthesia Considerations for Williams Syndrome

Vicki Bing, MD; Samhati Mondal, MD; Nadia Hensley, MD

(SCA183) Change in Capnography Waveform With Endobronchial Tubes

Paul Lee, MD; Steven Haddy, MD

(SCA184) Transesophageal Echocardiography in the Intraoperative Management of Renal Cell Carcinoma With Inferior Vena Cava Thrombus

Deric Diep, MD; Malcolm Lucy, MD; Ashraf Fayad, MD

(SCA185) Anesthetic Implications and Management of an Anomalous Left Coronary Artery From the Pulmonary Artery in an Infant

Sheela Ann Datukon, MD; Geraldine Raphaela Jose, MD

(SCA186) Severe Endocarditis With Aortopulmonary Fistula and Thrombocytopenia in a Patient With Cirrhosis Secondary to Remote Schistosomiasis

Grettel Zamora-Berridi, MD; Mabel Chung, MD

(SCA187) Mitral Valve Repair and Valve-Sparing Aortic Root Replacement in a 19-Year-Old Patient With Marfan Syndrome

Zachary Bastian, MD; Kimberly Burcar, MD; Jenny Kwak, MD

(SCA188) Respecting Islam in the Management of End-of-Life Care on ECMO

John Hui, MD; Jonathan Fox, MD

(SCA189) A Rare Case of ALCAPA, 3 Times Repaired

Yiyi Liu, MD; Jordan Scolaro, MS; Henry Shih, MD

(SCA190) Right Ventricular Injury Caused by Internal Cardiac Compressions in the Setting of Severe Protamine Reaction

Nathan Weltman, MD; Samhati Mondal, MD; Viachaslau Barodka, MD

(SCA191) Idiopathic Severe Mitral Stenosis in Young Male Requiring Mitral Valve Repair

Karthik Dwarki, MD; Matthew McConnell, MD

(SCA192) Aortic Root Aneurysm 16 Years After Aortic Valve Repair

Sofia Diaz, MD; Daniel Kinney, MD; Nat Dumrongmongcolgul, MD

(SCA193) Left Ventricular Assist Device Implantation in Patient With Complex Congenital Disease and Dextrocardia

Nikola Bradic, MD; Zdenko Povsic-Cevra, MD; Mislav Planinc, MD; Daniel Unic, MD; Sandra Jaksic Jurinjak, MD

(SCA194) The Value of Institutional Protocols and Focused Cardiac Ultrasound Examination During a Case of Ultra-Massive Transfusion

Muhammad Salman Tahir Janjua, MD; Shvetank Agarwal, MD; Manuel Castresana, MD

(SCA195) Post-Cardiac Surgery Tamponade Diagnosed With Transthoracic Echocardiography

John Kaminski, MD; Julia Larson, BS; Shahzad Shaefi, MD; Daniel Walsh, MD

(SCA196) Creation of a Novel In Vitro Model of Dilutional Coagulopathy to Functionally Assess Thrombin Generation of Cryoprecipitate in Normal Plasma

Reed Kamyszek, BS; Keaton Stoner, BS; Amudan Srinivasan, BS; Andrea Ansari, BS; Ian Welsby, MD

(SCA197) Use of Prothrombin Complex Concentrate Versus Fresh Frozen Plasma for Bleeding After Cardiac Surgery: A Propensity-Score Matching Analysis

John Fitzgerald, MB; Martin Lenihan, MB; Coimbatore Srinivas, MD; Stuart McCluskey, MD; Keyvan Karkouti, MD

(SCA198) Guideline-Based Approach for Factor Concentrate Utilization: Lower Dose Four-Factor Prothrombin Complex Concentrate Does Not Increase Chest Tube Output or Blood Product Usage in High-Risk Cardiac Surgical Patients

Kinza Sentissi, MD; John Fox, MD; Jessica Rimsans, PharmD; Jean Connors, MD; Marc Pelletier, MD; Xinling Xu, PhD; Richard Kaufman, MD

(SCA199) The Velocity Curve of the Clotting Waveform of Rotational Thromboelastometry Predicts Bleeding After Cardiac Surgery but Conventional Rotational Thromboelastometric Parameters Do Not

Dhong Eun Jung, MD; Karam Nam, MD; Yunseok Jeon, MD; Tae Kyong Kim, MD; Woo Young J, MD; Sehee Yoon, MD; Jooah Kwak, BS; Youn Joung Cho, MD

(SCA200) Impact of Individualized Heparin Management on Transfusion Rates in Cardiac Surgery: A Single-Center Retrospective Analysis

Mabel Chung, MD; Michael Andrawes, MD; Kenneth Shann, CCP; Sarah Payne, BS; Hang Lee, PhD; Sara Burns, MS

(SCA201) Withdrawn

(SCA202) Contemporary Analysis of Prothrombin Complex Concentrate Exposure at a University Academic Center

Prakash Patel, MD; Monique Roberts, MD; Pardis Miami, PharmD; Sunberri Murphy, DO; Saumil Patel, MD; John G. Augoustides, MD; Jacob Gutsche, MD; Todd Hecht, MD; Stuart Weiss, MD

(SCA203) Reviewing the Impact of Red Blood Cell Transfusion in Ascending Aortic Replacement Surgeries With Deep Hypothermic Circulatory Arrest

Warren Choi, MD; Shao Feng Zhou, MD; Keith Warner, MD; Roy Sheinbaum; Hazim Safi

(SCA204) Perioperative Plasmapheresis for Acute Heparin Induced Thrombocytopenia

Cassius Kwasi Mensah, MD; Sonia Nhieu, MD

(SCA205) Usability of ROTEM for Indicator of Clotting Ability After Cardiopulmonary Bypass During Open Heart Surgery

Kazuhiro Shirozu, MD; Yuji Karashima, MD; Sumio Hoka, MD

(SCA206) Arterial Catheterization Practice Among Cardiac Anesthesiologists: A Survey of Society of Cardiovascular Anesthesiologist Members

Elizabeth Vue, MD; Christopher Tanaka, MD

(SCA207) Standardization and Provider Consensus to Reduce Cardiac Case Drug Cost and Waste

Lyndsey Graber, MD; Benjamin Abrams, MD; Nathan Clendenen, MD; Nathaen Weitzel, MD

(SCA208) A High-Fidelity Pericardiocentesis Training Model

Yanick Baribeau; Robina Matyal, MD; Jeffrey Bortman, BS; Faraz Mahmood, MD; Ruby Feng, BA; Zhifeng Gao, MD; Ruma Bose, MD; John Mitchell, MD; Feroze Mahmood, MD

(SCA209) Examining the Use of Intraoperative Recombinant Antithrombin III for Heparin Resistance—Practice Patterns at a Large Academic Medical Center

Rishi Vashishta, MD; Brent Darden, PharmD; Robert Raiff, PharmD; Madhav Swaminathan, MD; Cory Maxwell, MD

(SCA210) Medicaid Insurance as Primary Payer Is Associated With Increased Mortality After Valve Surgery in the State Inpatient Databases of California, Florida, New York, Maryland, and Kentucky, 2007–2014

Lisa Rong, MD; Robert White, MD; Kathleen Sullivan, MD; Gulce Askin, MPH; Christopher Tam, MD

(SCA211) Evaluating the Economic Impact of Single-Use Disposable Bronchoscopes in a High Volume Academic Thoracic Surgery Practice

Eric John Bull, MD; Rebecca Klinger, MD; Kent Smith, CerAT; Madhav Swaminathan, MD; Cory Maxwell, MD

(SCA212) Use of 3-Dimensional Printing to Create Patient-Specific Abdominal Aortic Aneurysm Models for Preoperative Planning of Fenestrated Endovascular Aortic Repair

Jeffrey Bortman, BS; Robina Matyal, MD; Faraz Mahmood, MD; Yanick Baribeau; Ruby Feng, BA; Ruby Lo; Nicholas Swerdlow, MD; Marc Schermerhorn; Ruma Bose, MD; John Mitchell, MD; Feroze Mahmood, MD; Valeria Hunter

(SCA213) Audit of Anesthesiology Performed Perioperative Transthoracic Echocardiography at University Medical Center—A Quality Improvement Project

Liora Yehushua, MD; Boisen Michael, MD; Dennis Phillips, DO; Kathirvel Subramaniam, MD

(SCA214) Withdrawn

(SCA215) Comparison of Perioperative Hypothermia Rates in Cardiac Cases Using Forced-Air Warming (With Reflective Blankets) and Circulating-Water Warming Systems

Ajia Zimmermann, BS; Frederick Cobey, MD; Emily Penick, MD; Michael Casimir, MD

(SCA216) Multidisciplinary Retrospective Review of Postoperative Urinary Retention in Open Thoracic Lobectomy Patients at a Single Academic Institution: Incidence and Risk Factors

Aurelie Merlo, MD; Benjamin Haithcock, MD; Rodrigo Fano, BS; Lyla Hance, MPH; Paula Strassle, MSPH; Emily Teeter, MD; Lavinia Kolarczyk, MD

(SCA217) Translating Outcomes Into Action: Using Society of Thoracic Surgeons Database to Drive the Development of a Multidisciplinary Quality Improvement Group to Address Blood Product Administration Rates

Michael Greenberg, MS; Meena Bhatia, MD; John Ikonomidis, MD; Lavinia Kolarczyk, MD

(SCA218) Examining the Use of Recombinant Antithrombin III in Critically Ill Intensive Care Patients—Practice Patterns at a Large Academic Medical Center

Eric John Bull, MD; Brent Darden, PharmD; Robert Raiff, PharmD; Madhav Swaminathan, MD; Cory Maxwell, MD

(SCA219) Clinical Outcomes of Paravertebral Analgesia for Transapical Transcatheter Aortic Valve Replacement

John Cagino, MD; Saroj Pani, MD; Sridhar Musuku, MD; Rachael Judge, RN

(SCA220) Reducing Cost for Blood Product Preparation During Lung Transplant Surgery

Alina Hulsey, MD; Benjamin Bryner, MD; John Hunting, MPH; Nazish Hashmi, MD; Ian Welsby, MBBS; Jacob Klapper, MD; Jessica Poisson, MD; Brandi Bottiger, MD

(SCA221) A Survey of Cardiovascular Anesthesiologists' Opinions on the Hemostatic Efficacy and Barriers to the Use of Cryoprecipitate

Nadia Krasner, PhD; Marc Stern, MBA; Karen Giordano, MS

(SCA222) Survey of Requests for Cardiac Anesthesia Care Outside of Cardiac Surgery

Nam Phuong Tran, MD; Michael G. Fitzsimons, MD

(SCA223) Congruity and Adherence to ASE Standard Perioperative TEE Exam at a Tertiary Medical Center: A Quality Improvement Project

Benjamin Levin, MD; Angus Christie, MD

(SCA224) Highly Positive Response to the 2017 SCA Draft Cryoprecipitate Guidelines Despite More Conservative Transfusion Practices in Current Use

Nadia Krasner, PhD; Joanne Meisner, MPH; Marc Stern, MBA; Karen Giordano, MS

Fellow/Resident Complex Case Presentations

Fellow/Resident Complex Case Poster Presentations No. 1 (Non-CME)

SATURDAY, APRIL 28, 11 AM–NOON

(F5) Coronary Sinus Catheter-Induced Heart Block During Aortic Valve Replacement

Aaron Dahl, MD; Daniel Emmert, MD; Teresa Murray-Torres, MD

(F6) A Case of Significant Hypercapnia and Pneumoperitoneum During Coronary Artery Bypass Grafting

Jessica Serini, DO; Michael Grant, MD; Anubhav Kapoor, MD

(F7) Management of Heparin-Induced Thrombocytopenia in a Patient Undergoing Orthotopic Heart Transplantation Utilizing Cardiopulmonary Bypass

Zuhair Siddiqui, MD; Kirsten Steffner, MD; Jacob Schaff, MD; Sonali Shah, MD

(F8) The Expanding Role of Extracorporeal Membrane Oxygenation: A Case Series

Andrew Maresch, MD; Tara Brakke, MD; Shaun Thompson, MD; HelenMari Merritt-Genore, DO

(F9) Intraoperative Management of Systolic Anterior Motion of the Anterior Mitral Leaflet

Joshua Korte, MD; Benu Makkad, MD

(F10) Unexpected Massive Pulmonary Embolism Detected via Transesophageal Echocardiography During Open Heart Aortic Valve Replacement

Andy Chao Hsuan Lee, MD; Clinton Kakazu, MD; Puneet Dhawan, MD

(F11) A Review of Diagnostic Echocardiography Findings in Acute Pulmonary Embolism

Laura Joslin, MD; Fernando Mujica, MD

(F12) Case Report: Nonbacterial Thrombotic Endocarditis

Ankur Srivastava, MD; Ying Hui Low, MD

(F13) Oh, the Places a Valve Can Go: A Tale of 2 TAVRs

Dan Rosenkrans, MD; Emily Teeter, MD; Brian Barrick

(F14) Intraoperative Management of a Mobile, Biatrial Thrombus in a Patient With PFO Causing Stroke and Cannula Obstruction

Jamie Fleming, MD; Philip Krapchev, MD; Elifce Cosar, MD

(F15) Coronary Artery Bypass Graft Surgery in a Patient with Unknown Hemophilia B

Blaine Farmer, MD; Rohesh Fernando, MD

(F16) The Value of Institutional Protocols and Focused Cardiac Ultrasound Examination During a Case of Ultra-Massive Transfusion

Muhammad Salman Tahir Janjua, MD; Shvetank Agarwal, MD; Manuel Castresana MD

(F17) Localization of an Elusive Prosthetic Mitral Valve Paravalvular Leak by 3D Color TEE

Surbhi Mathur, MBBS; Muhammad Salman Tahir Janjua, MD; Shvetank Agarwal, MD

(F18) Bioprosthetic Valve Thrombosis in Carcinoid Heart Disease

Kimberly Hollander, MD; Brijen Joshi, MD

(F19) Clinical Considerations for Persistent Bleeding in a Patient Who Received tPA Undergoing Cardiopulmonary Bypass

Leonard Lee, MD; Amrik Singh, MD; Neal Fleming, MD

(F20) Listeria Bacterial Endocarditis

Kenneth Neff, MD; Lorraine Lubin, MD

(F21) Intraoperative Stroke During Robotic Totally Endoscopic Coronary Artery Bypass (TECAB)

Jennette Hansen, MD; Mark Chaney, MD

(F22) End of the Line: Administration of Intraoperative Tissue Plasminogen Activator for the In Extremis Patient With Massive Thrombosis of Avalon Catheter

Ashley Fritz, DO; Courtney Scott, DO; Archer Martin, MD

(F23) Transapical Ablation of Symptomatic Premature Ventricular Contractions in a Patient With Mechanical Mitral and Aortic Valves

Brett Wakefield, MD; Anand Mehta, MD

(F24) What is Ejection Fraction in the Setting of Large Left Ventricular Aneurysm?

Nam Phuong Tran, MD; Gaston Cudemus, MD

(F25) Nowhere to Clamp: A Case of an Infected Thoracic Endovascular Aortic Graft

Daniel Lotz, MD; Elifce Cosar, MD

(F26) Development of a Frozen Bioprosthetic Mitral Valve Leaflet in a Patient Requiring ECMO

Brett Myers, MD; Kenichi Ueda, MD

(F27) The Twists and Turns of Lung Transplantation

Reney Henderson, MD; Seema Deshpande, MBBS

(F28) Airway Obstruction From Aortic Pseudoaneurysm as Late Complication of David Procedure in a Patient With Marfan Syndrome

Michael Mangubat, MD; Robert Searles, DO; J. Mauricio Del Rio, MD

(F29) IVC Stenosis After Bicaval Orthotopic Heart Transplantation

Stephanie Ibekwe, MD; Brijen Joshi, MD; Samhati Mondal, MD; John Jubar, MD

(F30) Case Report Demonstrating the Superiority of TEE Over TTE in Diagnosis of Sinus of Valsalva Aneurysms
Cipriano Ayala; Clayton Foret; Loren Francis, MD; George Guldán, MD

(F31) Large Right Coronary Artery Aneurysm With Communication Into the Coronary Sinus
Anushri Desai, MD; Adnan Malik, MD

(F32) Pericardial Tamponade in Hypertrophic Obstructive Cardiomyopathy
Kristin Burkhalter, MD; Andrea Girnius, MD

(F33) Persistent Left Superior Vena Cava Discovered Intraoperatively During Robotic Mitral Valve Repair Necessitating Change to Open Valve Replacement
Loren Francis, MD

(F34) Redo MVR in a Patient With a tMVR in a tMVR in a Partial Mitral Ring
Ray Munroe, MD; Lourdes Al Ghofaily, MD

(F35) Saphenous Vein Graft Aneurysm With RV Fistula as a Late Complication of Coronary Artery Bypass Grafting
Jason Altman, DO; Sean Johnson, MD

(F36) Now You See Me: The Use of 3D TEE to Guide Balloon Post-Dilation of a TAVR Valve
Clifford Cutchins, MD; Charles Kiser, MD

(F37) Unusual Cause of Tricuspid Regurgitation
Samantha Ali, MD; Elizabeth Herrera, MD

(F38) Enlarging Pseudoaneurysm With Mechanical, Aortic Valve Dehiscence Requiring Urgent Homograft Repair With Biventricular Failure From Massive, Intracardiac Thrombus
Jay Chan, MD; Ratna Vadlamudi, MD; Roman Sniecinski, MD

(F39) Migration of Fractured Inferior Vena Cava Filter Strut into the Right Ventricular Wall
Meneka Dave, MD; Jacob Schaff, MD; Kirsten Steffner, MD

(F40) Gerbode Defect Incidentally Found During Transcatheter Aortic Valve Replacement
Kristine Paik, MD; Lorraine Lubin, MD; Ngoc Truong, DO

(F41) Emergent Surgical Pulmonary Embolectomy in a Patient With Recent Hemicraniectomy
Brian Cho, MD; Charles Brown, MD

(F42) Less Invasive Ventricular Enhancement—The First in the United States
Timothy Rohman, MD; Patrick Darga, MD; Christopher Sciortino, MD; Frederick Crock, MD; Catalin Toma, MD; Jeffrey Fowler, DO; John Caldwell, MD

(F43) Sapien Valve Embolization Into the Left Ventricle During Valve-in-Valve Transcatheter Mitral Valve Replacement
Alexander Service, MD; Daniel Winter, MD

(F44) Coarctation of the Aorta in Adults: A Silent Menace
Andrea Maria Corujo Rodriguez, MD; Ratna Vadlamudi, MD

(F45) The Use of Intraoperative Contrast Transesophageal Echocardiography to Characterize a Left Atrial Mass
Akeel Merchant, MD; Jolyn Becerra, RDCS; Marco Aguirre, MD; Ravi Joshi, MD; Sreekanth Cheruku, MD

(F46) Role of Transesophageal Echocardiography for Management of Intraoperative Tumour Embolisation During Diffuse B Cell Cardiac Lymphoma Resection
Darren Mullane, MBBChBAO; Jens Lohser, MD; Chris Durkin, MD

(F47) Tracheal Injury After Elective Intubation
Nikolaus Gravenstein, MD; Edward McGough, MD

(F48) Adult Congenital Redo Cardiac Surgery and Cardiac Injury
Jeffrey Songster, MD; Sasha Shillcutt, MD

(F49) Is a History of Inflammatory Pericarditis Protective Against Development of Cardiac Tamponade From a Ruptured Ascending Aortic Dissection? A Case Report
Albert Hsu, MD; Travis Weddington, MD

(F50) Lower Extremity Ischemia After End-to-Side Femoral Arterial Grafting for VA ECMO
Elliott Woodward, MD; James Ramsay, MD

(F51) Intravenous Epoprostenol as Rescue Therapy for Limb Threatening Microvascular Ischemia
Garrett Russell, MD

(F52) Peripartum Cardiomyopathy: A Challenge for Cardiac Anesthesia and Obstetrics and the Importance of a Multidisciplinary Approach
Samantha Brackett, MD; K. Gage Parr, MD; Anita Cucchiari, MD; Harsha Nair, MD

(F53) When Transesophageal Echo Fails: Using Regional Anesthesia Ultrasound Techniques to Aid in Extracorporeal Membrane Oxygenation Cannulation
Yi Cai, MD; J. Renew, MD; Monica Mordecai, MD; Erol Belli, MD; Steven Porter, MD

(F54) Anesthetic Considerations for Open Thoracoabdominal Aortic Aneurysm Repair Utilizing Cardiopulmonary Bypass and Modified Hypothermic Circulatory Arrest
Cara Crouch, MD; Barbara Wilkey, MD

(F55) Right Ventricular Failure After Initiation of Positive Pressure Ventilation in a Patient With Saddle Pulmonary Embolus Undergoing Emergent Pulmonary Artery Thrombectomy
Cory France, MD; Benu Makkad, MD

(F56) Coronary Dissection After Ascending Aortic Arch Replacement Causing Failure to Wean From Cardiopulmonary Bypass

Christopher Rosicki, MD; Tao Shen, MD; Michael Andrawes, MD

(F57) Laterally Directed Mitral Regurgitation Jet: Look at the Right Direction to Make the Right Diagnosis

Johanes Ismawan, MD; Worasak Keeyapaj, MD

(F58) Bilateral Serratus Anterior Plane Catheters for Post-Thoracotomy Analgesia After Sequential Double Lung Transplant

Andrew Anderson, DO; Donn Marcinaik, MD

(F59) Point-of-Care Platelet Function Testing in a Patient Loaded With Ticagrelor Undergoing Type A Dissection Repair

Tuyet Lan Pham, DO; Kenichi Tanaka, MD; Brittney Williams, MD

(F60) Right-Heart Compression From Cephalad Displacement of the Diaphragm: A Surprising Cause of Instability After Induction of General Anesthesia

Yefim Vilnits, MD; Steven Miller, MD

(F61) Severe Mitral Regurgitation Due to a “Folded” Anterior Mitral Valve Leaflet After Bentall Procedure Requiring Mitral Valve Replacement

Jose Navas, MD; Trevor Szymanski, MD

(F62) Acute Right Ventricular Failure Secondary to Iatrogenic Atrial Septal Defect After Transcatheter Mitral Valve Replacement

Megan Henley, MD; Lavinia Kolarczyk, MD; Emily Teeter, MD

(F63) Dueling Pathophysiology: Mitral Regurgitation and Left Ventricular Outflow Tract Obstruction

Krupa Patel, MD; Ellen Richter, MD

(F64) Bioprosthetic Mitral Valve Failure Leading to Severe Mitral Regurgitation and Concurrent Strut-Induced Left Ventricular Outflow Tract Obstruction

Kent Vu, MD; Lily Chang, MD; Spencer Liebman, MD

(F65) An Unusual Cause of Chest Pain: Right Ventricular Foreign Body and the Challenges of Minimally Invasive Valve Replacement

Ethan Brovman, MD; Gabriela Querejeta Roca, MD; Nelson Thiemert, MD

(F66) Left Atrial Appendage Perforation Following Deployment of a WATCHMAN Device

Lida Shaygan, DO; Arvind Rajagopal, MBBS

(F67) Salvaging a Failed Redo Lariat with an Amplatzer Occlusion Device

John Wiebelhaus, MD; Cheen Alkhatib, MD; Brent Barta, DO

(F68) Iatrogenic Tracheal Rupture Complicating Peripartum ARDS on VA ECMO

Tao Shen, MD; Wendy Smith, MD; Jessica Tashjian, MD; Lundy Campbell, MD

(F69) Aortoventricular Fistula Following Sutureless Aortic Valve Placement

Joseph Kuhn, DO PharmD; Antolin Flores, MD

(F70) A Bullet Embedded in Right Ventricular Wall

Felipe Edghill, MD; Yanfu Shao, MD; Gordon Morewood, MD

(F71) Choice of the Right Gastroepiploic Artery as a Conduit in Coronary Artery Bypass Surgery: A Case Presentation of Graft Vasospasm

Ariana Khosravani, MD; Michael Ault, MD

(F72) Biventricular Myectomy in Hypertrophic Cardiomyopathy Patient With Right Ventricular Outflow Tract Obstruction

Kevin Wong, DO; Jennifer Hargrave, DO

(F73) Transapical TandemHeart Left Ventricular Assist Device

Jay Trusheim, MD

(F74) When a Double Valve Becomes a Single Valve

Keith Opat, DO; Michael Essandoh, MD; Joseph Kuhn, DO

(F75) Utilization of Echocardiography to Distinguish a Cardiac Varix From an Atrial Myxoma

Andrew Friskey, DO; Anand Mehta, MD

(F76) Laparoscopic Gastric Sleeve Surgery for Weight Loss in a Bariatric Patient With a Left Ventricular Assist Device

Sean Baskin, DO; Srikantha Rao, MBBS

(F77) Metastatic Intracardiac Synovial Sarcoma

Jin Jung, MD; Michael Reardon, MFD; Edward Chan, MD; Eunie Yook, DO; Rebecca Bauer, MD

(F78) Profound Refractory Hypotension After Intraoperative Small Dose of Intravenous Amiodarone: A Rare Case of Anaphylaxis or Cardiogenic Shock?

Claire Joseph, DO; Alessia Pedoto, MD; David Amar, MD

(F79) An Unexpected Intraoperative Finding of Persistent Left Sided Superior Vena Cava During Aortic Valve Replacement

Laert Rusha, MD; Seema Deshpande, MBBS; Ashanpreet Grewal, MD

(F80) Double Orifice Mitral Valve or Alfieri Stitch: Can TEE Help Distinguish?

Jillian Dashiell, MD; Jiri Horak, MD; Bao Ha, MD; Elizabeth Zhou, MD; Prakash Patel, MD; John G. Augoustides, MD

(F81) Successful Treatment of Intracardiac Thrombus With Directed tPA During Orthotopic Liver Transplantation

Travis Boud, DO; Sreekanth Cheruku, MD; Jaswanth Madisetty, MD; Chen Shi, MD

(F82) Cardiac Arrest During Pericardial Window Procedure in a Postsurgical Cardiac Patient With Significant Pericardial Effusion and Coagulopathy

Elizabeth Kent, MD; Ioanna Apostolidou, MD

(F83) What Is That in My Patient's Pulmonary Artery? A CardioMEMS™ HF System

Nicole Arkin, MD; Albert Tsai, MD; Worasak Keeyapaj, MD

(F84) Use of a Hemoglobin-Based Oxygen Carrier as Rescue Therapy on a Jehovah's Witness With Severe Bleeding After a Tracheoesophageal Fistula Repair

Tosanath Leepuengtham, MD; Nestor Villamizar, MD; Richard Silverman, MD; Oscar Aljure, MD

(F85) Considerations in a Patient With an Isolated Persistent Left Superior Vena Cava

Amanda Yap, MBBS; Igor Gosev, MD; Julie Wyrobek, MD

(F86) Neuromonitoring During an Endovascular Repair of Aortic Arch Aneurysm (zone-0) in a Patient with Bovine Arch

Sung Kim, MD; Andrew Feider, MD

(F87) Acute Respiratory Failure in a Patient With Malignant Pleural Mesothelioma Following Pleurectomy and Decortication

Kimberly Burcar, MD; Jayanta Mukherji, MB; Pierre Levan, MD

(F88) Circulatory Arrest During Orthotopic Heart Transplant

Benjamin Gorbaty, MD; Amanda Zarchin, MD; Aziz Ghaly, MD; Antonio Chiricolo, MD; Leonard Lee, MD

(F89) Tricuspid Valve Repair as the 6th Cardiac Surgery in a Patient With Situs Inversus Post-Orthotopic Heart Transplant

Derek Lauter, MD; Lourdes Al Ghofaily, MD; Jared Feinman, MD; Prakash Patel, MD; John G. Augoustides, MD

(F90) Acute Instability Due to Cardiac Tamponade After Rupture of a Stanford Type A Aortic Dissection Immediately Prior to the Induction of Anesthesia

Kendal Richard, MD; Megan Olejniczak, MD

(F91) Cracking the Case: Bioprosthetic Valve Fracture in High-Risk Aortic Valve-in-Valve Replacement Patient

Kinza Sentissi, MD; Luigino Nascimben, MD; Tsuyoshi Kaneko, MD; Pinak B. Shah, MD; Douglas Shook, MD; Charles Nyman, MBCh

(F92) TEE Guidance During Transcatheter Pulmonary Valve Replacement for Severe Pulmonary Insufficiency in a Patient With Repaired Tetralogy of Fallot

Jian Azimi-Bolourian, MD; Timothy Pawelek, MD; Eric Alspaugh, MD

(F93) Arterial Air Embolism in Mitraclip Procedure

Se Fum Wong, MD; Wolf Benjamin Kratzert, MD

(F94) Modification of Surgical Approach and Cannulation Strategy for Mitral Valve Repair After Intraoperative Discovery of Isolated Persistent Left Superior Vena Cava

David McKinley, DO; Rohesh Fernando, MD; Blaine Farmer, MD

(F95) Refractory Bronchospasm Post-Cardiopulmonary Bypass Necessitating Veno-Arterial ECLS

Ibrahim Warsame, MD; Anthony Nguyen, MD; Michael Essandoh, MD; Manoj Iyer, MD

(F96) A Case Report of Complete Bronchial Lumen Obstruction by an Aspergilloma

David Bashover, MD; Oluwafunmilayo Adebayo-Adonis, MD; Tiffany Moon, MD; Scott Reznik, MD

(F97) Intramyocardial Dissecting Hematoma After Thrombolytic Administration for Acute Myocardial Infarction

Sarah Von Thaeer, MD; Rhett Hadley, MD

(F98) Anomalous Origin of the Left Coronary Artery From the Pulmonary Artery in an Adult Patient

Thomas Mader, MD; Jennie Ngai, MD

(F99) Inferior Vena Cava Stenosis After Bicaaval Orthotopic Heart Transplantation

Mike Lowe, MD; Mohammed Minhaj, MD

(F100) A Case of Multiple Ventricular Gradients

Ali Elsayes, MD; Frederick Cobey, MD

(F101) Intracardiac Thrombosis After Factor VII Administration Post-Heart Transplant

Andrew Notarianni, MD; Daina Blitz, MD; Patrick Broderick, DO; Amit Bardia, MBBS

(F102) Ventricular Septal Defect After Septal Myectomy: A Late Complication

Sameer Khan, MD; Max Kanevsky, MD; Patrick Minot, MD

(F103) Rescue Transesophageal Echo for Right Upper Lobectomy

Victoria Contreras, MD; Jane Carter; Elizabeth Herrera, MD

(F104) Inadequate Myocardial Protection During Minimally Invasive Aortic Valve Replacement

Ari Bensimhon, MD; Julie Wyrobek, MD; Wendy Bernstein, MD

(F105) The Case of the Lost Bullet

Benjamin Brockbank, MD; Martin Sigurdsson, MD; Alina Nicoara, MD; Santiago Uribe-Marquez, MD; Erin Manning, MD; David MacLeod, FRCA; John Haney, MD

(F106) TEE Examination of a Patient With Stage IV Angiosarcoma Causing Perforation of Right Coronary Artery and Erosion Into the Pericardium—A Case Report

Paul Dare, MD; Sonia Nhieu, MD

(F107) Novel Technique of tPA Thrombolysis of Entrapped Intra-Aortic Balloon Pump

Crystal Tan, MD; Adam Dalia, MD

(F108) Filling the Gap: Prevention of Aortic Regurgitation by the Ball-Valve Effect in a Patient With Bioprosthetic Aortic Valve Endocarditis

Justin Moreland, DO; Jennifer Hargrave, DO

(F109) Descending Aortic Intramural Hematoma Causing Tamponade Physiology

Sarah Sarcona, MD; Christopher Tanaka, MD

(F110) A Peculiar Tricuspid Regurgitation Jet Noticed During Aortic Dissection Surgery

Benjamin Abrams, MD; Maung Hlaing, MD

(F111) The Utility of TEE to Guide Management in Noncardiac Surgery

Mathew Varghese, MD; Kimberly Hollander, MD; Nadia Hensley, MD

(F112) Cerebral Protection With Carotid Filters for Transcatheter Aortic Valve Replacement in a Patient With Left Ventricular Thrombus

Amanda Zarchin, MD; Denes Papp, MD; Sagar Mungekar, MD; Enrique Pantin, MD; Julie Wise, MD

(F113) Large Left Ventricular Aneurysm in a Patient With Parkinson's Disease

Thomas Kessinger, MD; Mark Caridi-Scheible, MD

(F114) Ventricular Septal Defect After Transcatheter Aortic Valve—Complex Management

Christopher Walsh, MD; Cheen Alkhatib, MD; Fernando Mujica, MD; Brigid Flynn, MD

(F115) Retrieval of Embolized MitraClip

Samantha Arzillo, MD; Dustin Hegland, MD

(F116) Unrecognized Aortic to Left Ventricular Outflow Tract Fistula in a High-Risk Redo Cardiac Surgical Patient

Alex Leone, MD; Andrej Alfirevic, MD

(F117) Type III Protamine Reaction After Femoral Venous Decannulation in a Patient With Restricted Sternal Access Due to Pectus Excavatum Instrumentation

William Mulvoy, MD; Joshua Cohen, MD

(F118) Left Ventricular Bullet Embolism: The Utility of Intraoperative Transesophageal Echocardiography

Colleen McFaul, MD; Bryce Hill, MD; Richard Sheu, MD; Edo Bedzra, MD; Gabriel Aldea, MD

(F119) Orthotopic Heart Transplantation in a Patient with Situs Inversus Totalis and L-Transposition of the Great Arteries

Jonathan Stubblefield, MD; Ravi Joshi, MD

(F120) Type B Aortic Dissection with Left Tension Hemothorax

Jason McGrady, DO; Mark Nelson, MD

(F121) Intraoperative Pulmonary Embolization of Inferior Vena Cava Thrombus: Veno-Arterial Extracorporeal Membrane Oxygenation as Bridge to Decision, Therapy, and Recovery

Phuong Bui, MD; James Anton, MD

(F122) A PE or Not a PE? Pulmonary Artery Obstruction With Impending Hemodynamic Collapse

Noah Roller, MD; Monica da Silva, MD; Kenton J. Zehr, MD; Dan E. Berkowitz, MD

(F123) Acquired Thromboatheromatous Aortic Coarctation Diagnosed With Intraoperative Transesophageal Echocardiography During Emergent Aneurysm Clipping

Geoffrey Ramsdell, MD; Amanda Kleiman, MD; John McNeil, MD

(F124) Management Challenges of a 35-Year-Old Patient With a Failing Fontan Repair Undergoing Bicoronal Craniotomy and Tumor Excision

Meredith Kingeter, MD; Susan Eagle, MD; Riley Landreth, DO; L. Jane Easdown, MD

(F125) Intraoperative Myocardial Contrast Echocardiography for Diagnosis of Impaired Myocardial Perfusion After Aortic and Mitral Valve Replacement

Justin Blinn, MD; Norman Huang, DO

(F126) COR-KNOTS or NOT?

Yousef Hamdeh, DO; Anand Mehta MD; Christopher Troianos, MD

(F127) An Abundance of Pulmonic and Aortic Valve Papillary Fibroelastomas: Echocardiographic Interrogation and Surgical Guidance

Isuru Wijesinghe, DO; Andra Duncan, MD

(F128) Incidental TEE Finding of ECMO-Associated Left Atrial Thrombus in a Post-Pneumonectomy Patient

Evan Chriss, MD; Ashanpreet Grewal, MD; Seema Deshpande, MBBS; Kenichi Tanaka, MD

(F129) Noncardiac Surgery in a Patient With Congenital Heart Disease and a Ventricular Assist Device

Eric Simon, MD; Richard Wolman, MD; Andrew Schroeder, MD

(F130) Intraoperative Thrombotic Complications From Indwelling Cannulas of Extracorporeal Circulatory Support

Rachel Diehl, MD; Shiva Sale, MD; Asha Singh, MD

(F131) Withdrawn

(F132) Resolution of Systolic Anterior Motion and Severe Mitral Regurgitation with Alfieri Stitch in a Patient Undergoing Minimally Invasive Aortic Valve Replacement

Raymond Mody, MD; Wei Pan, MD

(F133) Persistent Transvalvular Gradient Following Pulmonary Valve Replacement in Previous Ross Patient

Lily Chang, MD; Mark Nelson, MD

(F134) Intraoperative Iatrogenic Aortic Dissection Not Visible by Transesophageal Echocardiography

Daniel Rhoades, MD; Sudhakar Subramani, MD

(F135) Management of Severe Cardiomyopathy for Cesarean Section with Cardiac Assist Device

Spencer Drotman, MD; Brent Luria, MD; Jennie Ngai, MD

(F136) Left Atrial-Esophageal Fistula Following Ablation for Atrial Fibrillation

Ashley Budd, MD; Choy Lewis, MD

(F137) Transcatheter Aortic Valve Replacement

Kristin Swenson, DO; Sandeep Krishnan, MD; Joffer Hakim

(F138) Annular Rupture in a Jehovah's Witness Patient During Transcatheter Aortic Valve Replacement

Juan Restrepo Cardenas, MD; Nisha Dave, DO; Pankaj Jain, MD

(F139) Ligation of LAD Coronary Artery-Pulmonary Artery Fistula in a Patient With Severe Constrictive Pericarditis

Ashish Dabas, MD; Kumar Vivek, MD

(F140) Adult Partial Anomalous Pulmonary Venous Return: A TEE Perspective

Eric Worrall, DO; Lily Chang, MD; Kirbie Broughton, MD; Luis Velazco-Davila, MD; Nirvik Pal, MD; Vigneshwar Kasirajan, MBBS

(F141) When All the Organs Malfunction

Ashley Taylor, MD; Trevor Szymanski, MD; Jaber El-Bashir, MD

(F142) Failure of ACT to Reflect Heparin Effect Despite Therapeutic aPTT and ROTEM

Omar Al-Qudsi, MD

(F143) Early Coronary Ischemia After Coronary Artery Bypass Grafting: A Unique Mechanism

Kirsten Lee, MD; Yafen Liang, MD

(F144) Left Ventricular Hypertrophy: A Challenge to Myocardial Protection During Cardiopulmonary Bypass for Aortic Valve Replacement

Rebecca Wong, MBBS; Ricardo Plata Aguilar, MD; George Semien, MD MPH MSc FASE; Tatiana Jamroz, MD

(F145) Utilization of a Protek-Duo Cannula as a Right Ventricular Support Device Following Left Ventricular Assist Device Placement

Brad Biegler, MD; Aaron Reynolds, MD

(F146) Identification of Mirror Artifact During SVC Cannulation

Paul Frank, MD; Rebecca Aron, MD

(F147) Anesthetic Challenges of Emergency Gynecological Surgery in a Jehovah's Witness With Fontan Circulation

Deric Diep, MD; Malcolm Lucy, MD; Ashraf Fayad, MD

(F148) Two Lightning Strikes: Acute Type A Aortic Dissection in a Patient With Hypertrophic Obstructive Cardiomyopathy

Dean Bowker, MD; Swapnil Khoche, MBBS

Trusted Solutions for Patient Safety and Satisfaction in Anesthesia Care



Enhanced needle visualization (iNeedle)

Mindray delivers a broad range of anesthesia and ultrasound solutions to support your initiatives for providing quality care and improving patient safety and satisfaction.

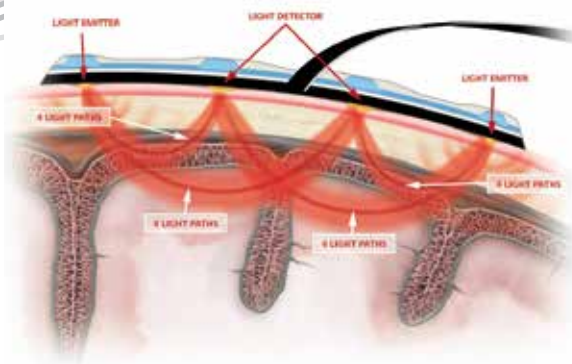


Visit us at SCA booth #603
and online at www.mindray.com

mindray
healthcare within reach

**You make the clinical decisions
You need technology you can trust.**

Nonin's SenSmart[®] rSO₂/SpO₂ intuitive and reliable
system allows you to act with ease.



Visit **Nonin Medical, booth #409** and request a no-obligation opportunity to evaluate in your O.R., the reliability, stability and accuracy the SenSmart System provides you.

sensmart.com

©2018 Nonin Medical, Inc. M-18-014-01

NONIN

Fellow/Resident Complex Case Poster Presentations No. 2 (Non-CME)

SATURDAY, APRIL 28, 5–6 PM

(F149) V-V ECMO to Support Whole Lung Lavage for Pulmonary Alveolar Proteinosis

Thanh-Giang Vu, MD; Victor Ng, MD

(F150) To Intubate or Not to Intubate? Deep Sedation for a Patient With Hunter Syndrome Undergoing Transesophageal Echocardiogram

Gustavo Gonzalez Garcia, MD; Pierre LeVan, MD; Jenny Kwak, MD; Mina Oftadeh, DO

(F151) Gun Shot Wound to the Chest and Role of Adenosine in Management of Cardiac Injury

Shawn Patel, MD; Ranga Venna, MD

(F152) Newly Discovered Coronary Sinus Atrial Septal Defect—The Role of Intraoperative Imaging

Bradford Cardonell, MD; Matthew Henry, MD; Andrej Alfirevic, MD; Michelle Capdeville, MD

(F153) A Unique Strategy to Open the Thebesian Valve for Coronary Sinus Catheter Placement

Sam McLaurin, MD; Eric Nelson, DO; Jasper Cumbee, MD

(F154) Pulmonary Endarterectomy as a Last Resort

Mark Bombulie, MD; Kelly Kohorst, MD

(F155) Echocardiographic Interrogation of the Mitral-Aortic Intervallular Fibrosa in Infectious Endocarditis

Rasesh Desai, MD; Andra Duncan, MD

(F156) Dynamic Obstruction of Apicoaortic Conduit Causing Cardiogenic Shock

Denise Franko, MD; Andrew Notarianni, MD

(F157) Successful Placement of 2 Additional Mitral Clips after Partial Leaflet Detachment of an Initial Clip in a Patient With an LVEF of 5%–10%

Nakul Kumar, MD; Sandeep Krishnan, MD

(F158) Monitored Anesthesia Care With Transesophageal Echocardiography for Transcatheter Aortic Valve Replacement

Matthew Dabski, MD; Aimen El Manafi, MD; MBChB

(F159) Primary Graft Dysfunction After Orthotopic Heart Transplant in Woman With Peripartum Cardiomyopathy

Matthew Wade, MD; Pierre LeVan, MD; Mina Oftadeh, DO; Jenny Kwak, MD

(F160) Cracking Under Pressure: A Novel Mitral Valve-in-Valve Intervention

Elizabeth Landry, MD; Douglas Shook, MD; Agnieszka Trzcinka, MD; Charles Nyman, MBBCh; Tsuyoshi Kaneko, MD; Pinak Shah, MD

(F161) Sinus Venosus Atrial Septal Defect With Associated Persistent Left Superior Vena Cava

Ryan Brunner, MD; Anna Dubovoy, MD

(F162) Transesophageal Echocardiographic Guidance of a HeartWare LVAD Placement With Congenitally Corrected Transposition of the Great Arteries

John Baer, DO; Michael Hauser, Mariya Geube, MD; Vo Christopher, DO

(F163) High-Risk Redo Cardiac Surgery in a Patient With Sickle Cell Disease and Limited Blood Availability

Garrett Scott, MD; Michelle Capdeville, MD

(F164) Utilization of Transesophageal Echocardiography During Robotic Management of Renal Cell Carcinoma With Vena Caval Thrombus

Jonathan Tang, MD; Michael Essandoh, MD

(F165) Off-Pump HeartMate 3 in a Patient With Pulmonary Hypertension

Dustin Palm, MD; Belinda Lee, MD

(F166) Anesthetic Management of a Patient Presenting for the Repair of an Atrioesophageal Fistula Through a Thoracotomy Approach

Avinash D'Souza, DO; Andra Duncan, MD; Michael Licina, MD

(F167) Level IV IVC Tumor Thrombectomy Without Cardiopulmonary Bypass: 3D Transesophageal Echocardiography With Color-Flow Doppler for Operative Management of Renal Cell Carcinoma Thrombus With Right Atrial Extension

Stephen Richardson, MD; Matthew Schwartz

(F168) Transesophageal Echocardiography in the Operating Room for Surgical Decision-Making in the Management of Chronic Type A Aortic Dissection

Grettel Zamora-Berridi, MD; Gaston Cudemus, MD

(F169) Left Subclavian to Descending Aorta Bypass in a Patient With Incidentally Diagnosed Aortic Coarctation

Christina Jelly, MD; Adam Dalia, MD

(F170) Heart Transplantation in a Patient With Dilated Cardiomyopathy and Severe Skeletal Myopathy Due to a Rare Desmin Mutation

Shonali Pawar, MD; Edo Ginsburg, MD; Matthew Troum, DO; Eric Wilkens, MD

(F171) Intraoperative Diagnosis of Systolic Anterior Motion of the Mitral Valve and Septal Hypertrophy in the Presence of Severe Aortic Stenosis

Jeffrey Cardinale, MD; Logan Kosarek, MD

(F172) Left Atrial Myxoma Resection With Post-Cardiopulmonary Bypass Left Ventricular Failure Requiring Intra-Aortic Balloon Pump

Daryl Banton, MD; Adam Lichtman, MD

(F173) Out-of-Body Experience! A Rare Case of Radical Ex-Vivo Resection of Cardiac Spindle Cell Sarcoma with Left Atrial Reconstruction and Successful Heart Autotransplantation

Nicolas Dorsey, MD; Seema Deshpande, MBBS; Molly Fitzpatrick, MD

(F174) Challenges Associated With Cerebrospinal Fluid Catheter Drainage

Shayna Patel, MD; Mark Chaney, MD

(F175) Anesthetic Considerations for TAVR in the Setting of VA ECMO

Saumil Patel, MD; Regina Linganna, MD; Elizabeth Zhou, MD; John G. Augoustides, MD; Prakash Patel, MD

(F176) Management of a Patient With a Stanford Type A Dissection and Hemophilia C

Tyler Paradis, MD; Ryan Anderson, MD; Izumi Harukuni, MD

(F177) Left Atrial Tamponade From Acute Aortic Dissection After Previous Coronary Artery Bypass Surgery

Alyssa Green, DO; Amy Ortman, MD; Gregory Muehlebach, MD

(F178) Low Flow, Low Gradient Aortic Stenosis and TAVR: Using CPB for Hemodynamic Support in a Patient With Right Heart Failure and Severe Mitral Regurgitation

Jessica Varga, DO; Sagar Munekar, MD

(F179) Perioperative Management of a Chronic Complex Type A Aortic Dissection

Christy Slingwine, MD; Manxu Zhao, MD; Laura Zung, MD

(F180) Use of the Amplatzer II Vascular Plug for Closure of a Paravalvular Leak After Transcatheter Aortic Valve Implantation

Todd Everett Jones, MD; Yong G. Peng, MD

(F181) A Rare Disease With a Rare Complication: Simultaneous Double Lung Transplant and Pulmonary Thrombectomy in a Patient With Pulmonary Hemosiderosis

Michael Ross, MD; Swapnil Khoche, MBBS

(F182) Pulmonary Artery Stenosis Following Lung Transplantation: A Rare Finding With Significant Clinical Implications

Michael Vega, MD; Wesley Allen, MD; Ross Renew, MD

(F183) Intraoperative Transesophageal Echocardiography for the Localization and Monitoring of Migrated Iliac Vein Stent Removal

Cara Bevinetto, MD; Michelle Downing, MD

(F184) Percutaneous Right Ventricular Assist Device Placement in a Patient With Right Heart Failure Undergoing Liver Transplant

Danisa Daubenspeck, DO; Richa Dhawan MD; Aalok Kacha, MD

(F185) Palliative Resection of a Rapidly Growing, Giant Metastasis of Soft Tissue Pleomorphic Sarcoma to the Left Atrium

Greg Hertwig, MD; Sean Johnson, MD; Rohesh Fernando, MD

(F186) Caution Advised With Bumps in the Night: An Unusual Case of Rapidly Developing Pseudoaneurysm in a Single Ventricle Patient

Michelle DaCosta, MD; Justin Long, MD

(F187) Embolization of Percutaneous Ventricular Septal Defect Closure Device

Rachel Bandi, MD; Ryan Hood, MD

(F188) The Anesthetic Management of Uncorrected Congenital Heart Disease

Diana Khatib, MD; Cindy Wang, MD; Meghann Fitzgerald, MD; Aarti Sharma, MD

(F189) Successful Use of Extracorporeal Membrane Oxygenation and Impella During Gynecologic Procedure for Cardiorespiratory Collapse in a Patient With Arrhythmogenic Right Ventricular Dysplasia

Sajjad Ibrar, MD; Amanda Zarchin, MD; Amanda Cole, MD; Antonio Chiricolo, MD; Sagar Munekar, MD

(F190) Use of High-Dose Cyanocobalamin for Treatment of Intraoperative Hypotension in a Patient With Acute Hemorrhage After Bilateral Lung Transplantation

Patricia Nwajuaku, MD MPH; Bruce Spiess, MD

(F191) Cardiac Arrest Prior to Reperfusion During Liver Transplantation With New Systolic Anterior Motion and Left Ventricular Outflow Tract Obstruction

Casey Shelley, DO; Melissa Rockford, MD; Peter Hild, MD; Stephen Tarver, MD

(F192) Utility of Intraoperative TEE During Surgical Resection of a Renal Cell Carcinoma With Cavoatrial Extension

Ayesha Zaheer, MD

(F193) Left Ventricular Rupture in the Setting of Myocardial Infarction Secondary to Embolic Endocarditis

Perin Kothari, DO; Alexander Leone, MD; Garrett Scott, MD; Shiva Sale, MD

(F194) Repair of Acute Aortopulmonic Endocarditis Complicated by Aortic Root Abscess and Aortopulmonary Fistula

Akif Shinaishin, MD; Sridhar Musuku, MD; Saroj Pani, MD

(F195) Take a Deep Breath—Use of the Valsalva Maneuver to Aid in Placement of a MitraClip® Device

James Cranston Gray, MD; Robert Ginnebaugh, MD; Raymond Malapero, MD; Marc Pelletier, MD; Piotr Sobieszczyk, MD; Douglas Shook, MD; Jeffrey Swanson, MD; Charles Nyman, MBChB

(F196) Percutaneous Transcatheter Aortic Valve Implantation for Left Ventricular Assist Device Associated Aortic Insufficiency
Aaron Hudson, MD; Choy Lewis, MD

(F197) Acute Cardiac Tamponade During Transjugular Removal of IVC Filter

Xiao Liu, DO; Luiz Maracaja, MD; Justin Wilson, MD; David Langdon, MD

(F198) Stroll in a Minefield: Aortic Root Repair in a Patient With Aortic Root Abscess and Significant Congenital Cardiac Anomalies

Ross Carpenter, MD; Mingfei Wang, MD; Seema Deshpande, MBBS

(F199) Hydroxocobalamin as a Rescue for Vasoplegic Syndrome

David Maerz, MD; Liora Yehushua, MD; Theresa Gelzinis, MD

(F200) Existing Leads During Orthotopic Heart Transplant: To Remove or Not to Remove

Jeffrey Olech, MD; Richard Wolman, MD; Jonathan Kay, MD

(F201) Intracardiac Thrombosis Following Orthotopic Heart Transplant

Jordan Brice, MD; Vanetta Levesque, MD

(F202) Ominous Cerebral Oximetry Saturations Following Iatrogenic Aortic Dissection During CABG: What Now?

Bradford Smith, MD; William Mauermann, MD; Shane Gillespie, DO; David Barbara, MD; David Stordahl, MD; Mark Smith, MD

(F203) Left Atrial Dissection Following Mitral Valve Repair

Dane Ingebrigtsen, MD; Colleen McFaul, MD; Renata Ferreira, MD

(F204) BiVAD Explant to Heart Transplant

Matthew Stansbury, MD

(F205) The Use of 3D Printing to Assist in Airway Management of a 65-Year-Old Female With a Massive Substernal Goiter

Heather Wurm, MD; Shane Gillespie, DO

(F206) Transesophageal Atrial Pacing for Management of Trigemino-cardiac Reflex

Sara Richards, MD; Kathryn Rouine-Rapp, MD; Gail Shibata, MD

(F207) Post-Infarction Ventricular Septal Defect Repair Utilizing the Amplatzer Cribriform Occluder

Anwar Akhras, MD; Pierre LeVan, MD; Mina Oftadeh, DO; Kristine Pearson-Chauhan, DO

(F208) Cold Agglutinins and Cardiopulmonary Bypass

David Stordahl, MD; David Barbara, MD

(F209) Transcatheter Tricuspid Valve Replacement in a Former Heart Transplant Recipient With Bioprosthetic Tricuspid Valve Stenosis: Surgical and Anesthesia Considerations

Bryan Kidd, MD; John Vavalle, MD; Thomas Caranosos, MD; Lavinia Kolarczyk, MD

(F210) Left Ventricular Outflow Tract Obstruction After Transcatheter Mitral Valve Replacement

Michael Allender, DO; Anna Dubovoy, MD

(F211) Anesthetic Management of an Extremely Obese Parturient With Dilated Cardiomyopathy

Sofia Diaz, MD; Paula Trigo-Blanco, MD

(F212) Intraoperative Hypoxemia and Hypercarbia During Lung Transplantation: Dead Space, Shunt, Or Both?

Laura Gonzalez, MD; Richard Wolman, MD

(F213) Acute on Chronic Subdural Hemorrhage Following Lumbar Spinal Drain Placement for Thoracoabdominal Aneurysm Repair

Emily Schmidt, MD; Jayanta Mukherji, MB BS; Jeffrey Amport, MD

(F214) Anesthetic Management of Acute Type A Aortic Dissection in Pregnancy: A Case Report

Samiya Saklayen, MD; Britany Raymond, MD; Adam Kingeter, MD

(F215) Surgical Resection of Massive Intraventricular Cardiac Hydatid Cyst Complicated by Severe TR, RV Failure, and VSD

Angela Li, MD; Alison Brown, MD; Sharon McCartney, MD; Cory Maxwell, MD; Jacob Schroder

(F216) Left Ventricular Assist Device Placement Prior to Endovascular Aneurysm Repair in a Patient with Marfan Syndrome

Christopher Szabo, MD; Aaron Mittel, MD; Teresa Mulaikal, MD

(F217) Circulatory Monitoring in a Patient with Extensive Vascular Disease

Michael Sullivan, MD; Richard Wolman, MD; Andrew Schroeder, MD

(F218) A Case of Perioperative Cocaine-Induced Takotsubo Cardiomyopathy

Liora Yehushua, MD; Heather Hayanga, MD; Jeremiah Hayanga, MD; Vlad Melnyk, MD

(F219) Constrictive Pericarditis With Compression of Right Ventricle by Concomitant Pericardial Cystic Mass

Mark Simpsen, MD; Albert Robinson, MD

(F220) Pulmonary Vein Stent Placement Using Dual Guidance of Transesophageal Echocardiography and Fluoroscopy

Nate Swiss, DO

(F221) Hyper-Acute Post-Pericardiotomy Pericarditis Following Coronary Artery Bypass Grafting

Michael Busada, DO; Joshua Baisden, MD; Matthew McConnell, MD; Daniel Cormican, MD

(F222) Emergent Left Ventricular Assist Device Exchange Due to Pump Thrombosis in a Patient With Duchenne Muscular Dystrophy

Marissa Kauss, MD; Shane Gillespie, DO; Sarah Armour, MD

(F223) Repair of a Dissecting Ascending Aortic Aneurysm in a Postpartum Patient

David Decresce, MD

(F224) An Unusual Complication After Rupture of an Edwards SAPIEN 3 Valve Balloon During Transcatheter Tricuspid Valve Replacement

Youn-Hoa Jung, MD; Brian Cho, MD; Jeffrey Dodd, MD

(F225) En Mass Thrombus Removal Following Antifibrinolytic Treatment for Massive Hemorrhage: A Case Report

Elise Strickler, DO; Linda Sundt, MD

(F226) Severe Pectus Carinatum Complicating an Aortic Dissection and Aneurysm Repair in a Patient With Fetal Alcohol Syndrome and an Atrial Septal Defect

Allison Janda, MD; Meredith Kingeter, MD; Kelly Kohorst, MD; Kara Siegrist, MD

(F227) Pulmonary Thromboendarterectomy and Deep Hypothermic Circulatory Arrest in a Patient with Glucose-6-Phosphate Dehydrogenase Deficiency

Jose Sosa Herrera, MD; Jeongae Yoon, MD

(F228) Challenges in Assessing Intravascular Volume Status After Lung Transplant in a Patient With Right Ventricular Hypertrophy

Christopher Behrens, MD; Ioanna Apostolidou, MD; Sudarshan Setty, MD

(F229) Intraoperative Anaphylaxis During Coronary Artery Bypass Graft

Sagar Navare, MD; Ioanna Apostolidou, MD

(F230) Anterior Leaflet of Mitral Valve Split in Half During Percutaneous Balloon Valvuloplasty

Christopher Blakely, MD; Michelle Downing, MD

(F231) Delayed Proximal Migration of Transcatheter Aortic Valve Into Left Ventricular Outflow Tract—A Case Report

Amany Gorgy, MD; Jill Suffield

(F232) Anesthetic Management of a Difficult Airway in a Patient with Hypertrophic Obstructive Cardiomyopathy and History of Pneumonectomy

Andy Truong, MD; Zhou Sun, MD; Mamta Chura, MBBS; Vaibhav Bora, MBBS

(F233) Mechanical Debulking of Tricuspid Valve Vegetation With AngioVac System in a Nonoperable Patient

Naushad Ahmed, DO; Sharadha Devi Gunasekaran, MD; Jayakar Guruswamy, MD

(F234) Recurrent Truncal Insufficiency Resulting in Double Homograft Repair for Truncus Arteriosus

Genevieve Staudt, MD; Brian Donahue, MD

(F235) Ventricular Septal Rupture Within a Left Ventricular Septal Aneurysm

Matthew Henry, MD; Shiva Sale, MD; Michelle Capdeville, MD

(F236) Saddle Pulmonary Embolus Combined With Dynamic Systolic Anterior Motion of the Mitral Valve

Jared Roussel, MD; Logan Kosarek, MD

(F237) Early Identification of Intraoperative Aortic Dissection in a Patient With Undiagnosed Connective Tissue Disorder

Christopher Vo, DO; Andrew Anderson, DO; Jia Lin

(F238) Protective Physiology in Unrepaired Tetralogy of Fallot

Shahid Ali, MD MPH; Meredith Whitacre, MD; Madhav Swaminathan, MD; Katie Garrett, MD; Andrew Lodge, MD; Brandi Bottiger, MD

(F239) Incidental Finding of Left Ventricular Noncompaction in the Postoperative Patient

Harry Acevedo, MD

(F240) Substance Abuse Sequelae Pervade Healthcare: Anesthetic Management of a Patient With Fungal Infective Endocarditis Complicated by Pericardial Effusion Requiring Noncardiac Surgery

Timothy Goldhardt, MD; Jeremiah Hayanga, MD; Jeremiah Jeffers, MD; Heather Hayanga, MD

(F241) Replacement of the Pulmonary Artery in a Patient Presenting With Pulmonary Artery Aneurysm

Moheb Gohar, MD; Sergio Bustamante, MD

(F242) Differentiation of an Aorto-Atrial Fistula From a Suspected Mitral Valve Annuloplasty Leak Utilizing TEE During Cardiopulmonary Bypass

Michael Chestnut, MD; Benjamin Tuck, MD; Brad Meers, MD

(F243) A Case of Pump Thrombosis in a Patient With Peripartum Cardiomyopathy

Annas Sabbagh, DO; Jacquelin Cunningham, MD; Matthew McConnell, MD

(F244) Pulmonary Endarterectomy in a Patient With Plasminogen Activator Inhibitor-1 Excess

Kara Joseph, MD; Choy Lewis, MD

(F245) Left Atrial Appendage Laceration During Lariat Procedure Requiring Emergency Sternotomy and Cardiopulmonary Bypass

Michelle Curry, MD; Victor Ng, MD

(F246) Anesthetic Management of Patient With Large Right Atrial Myxoma

Lahnden Onger, MD; Ian Molyneaux, MD; Maninder Singh, MD

(F247) Fontan Conversion: Surgical Solution to Refractory Arrhythmia in a Patient With an Atriopulmonary Fontan

Kristi Lorenzen, MD; Kelly Kohorst, MD

(F248) Anesthetic Management in a Parturient With Severe Hypertrophic Obstructive Cardiomyopathy Undergoing General Anesthesia for Emergent Caesarean Section

Huy Nguyen, MD; Amanda Zarchin, MD; Antonio Chiricolo, MD

(F249) Repair of Ascending Aortic Pseudo-Aneurysm Using Presternotomy Femoral Cannulation for Cardiopulmonary Bypass With Deep Hypothermic Circulatory Arrest

Jasper Cumbee, MD; Loren Francis, MD; Samuel McLaurin, MD

(F250) Undiagnosed Perivalvular Abscess During Aortic Valve Replacement

Richard Booth, MD; Ashanpreet Grewal, MD; Tuyet Pham, DO

(F251) A Case of Mitral Valve Ring Thrombus Discovered on TEE Prior to Cardioversion

Bryan Marchant, MD; Daniel Emmert, MD

(F252) The Pericardium: An Unusual Location of Papillary Fibroelastoma

Gabriela Querejeta Roca, MD; Lauren J Cornella, MD; Prem Shekar, MD; Agnieszka Trzcinka, MD

(F253) Epicardial Ultrasonography to Evaluate Coronary Artery Patency Following a Bentall Procedure

Katherine Kozarek, MD; Joshua Herborn, MD

(F254) Mitral Regurgitation of Unclear Origin After Cardiac Surgery: A Harbinger of Takotsubo Cardiomyopathy?

Domagoj Mladinov, MD; Brian Cho, MD; Brian Bush, MD

(F255) Lost and Found: An Amplatz's Journey

Daniel Sloyer, MD; Michelle Capdeville, MD

(F256) Undiagnosed PFO in a Patient Undergoing Emergency Embolectomy

Austin Pulliam, MD; Yoshihisa Morita, MD

(F257) Redo Mitral Valve Surgery via Right Thoracotomy Under Hypothermic Fibrillatory Arrest

Faraz Daha, MD; Sohail Mahboobi, MD; Gregory Smaroff; Pingping Song, MD

(F258) Scimitar Syndrome

Anthony Zapata, MD; Pablo Motta, MD

(F259) Transcatheter Mitral Valve-in-Valve Replacement: Anesthetic and Echocardiographic Considerations

Melissa Burger, MD; Edward McGough, MD

(F260) Intracardiac and LVAD Air Leads to LVAD Failure

Blake Perkins, MD

(F261) An Acute Intraoperative Aortopulmonary Artery Fistula Formation From a Ruptured Aorta

Thomas Jan, MD; Gregory Kim, MD

(F262) Systolic Anterior Motion of Mitral Valve After Surgical Aortic Valve Replacement

Vinayak Nadar, MD; Roy Kiberenge, MD

(F263) Combined High Risk Transcatheter Aortic Valve Replacement and Transcatheter Mitral Valve Replacement in a Patient on VA-ECMO

Tarek Radwan, DO; Joshua Baisden, MD; Daniel Cormican, MD

(F264) Massive Carbon Dioxide Embolization During Endoscopic Saphenous Vein Harvest

Andrew Notarianni, MD; Ankur Siristava, MD

(F265) Pediatric Congenital Abdominal Aortic Coarctation Repair With Left Ventricular Assist Device

Matthew Coleman, MD; Justin Hamrick, MD

(F266) Cerebral Oximetry Used as a Sentinel Monitor to Diagnose Acute Superior Vena Cava Outflow Obstruction During Robotic Cardiac Surgery

Patrick Baker, MD; T. Sloane Guy, MD; Lisa Rong, MD

(F267) A Second Chance: Aortic Graft Abscess and Mitral Valve Perforation From Streptococcus Viridans Endocarditis

John Rossi, MD

(F268) Transcatheter Aortic Valve Replacement in a Patient With Left Ventricular Assist Device and Severe Aortic Insufficiency

Joseph Larese, MD

(F269) It's Not Over Until It's Over: Delayed Coronary Occlusion Following Transcatheter Valve-in-Valve Deployment

Jonathan Howard, MD; Elizabeth Herrera, MD; Nicolas Athanassiou, MD; Karanbir Singh

(F270) Systemic Right Ventricular Assist Device Placement in a Patient With Mustard Repair for Transposition of the Great Arteries

Mary Rhee, MD; Bantayehu Sileshi, MD; Susan Eagle, MD

(F271) When the Bridge Doesn't Lead to Recovery: Withdrawal of Care in a Patient With a Right Ventricular Assist Device

Anne Hicks, MD; Angus Christie, MD

(F272) Command Procedure: A Challenging Technique in Double Valve Replacement and Reconstruction of Intervalvular Fibrosa

Zahid Merchant, MD; Lisa Morse

(F273) ECMO for Intractable Hepatopulmonary Syndrome Following Orthotopic Liver Transplantation

Thomas Krall, MD; Wendy Smith, MD; Wilson Cui, MD; Kevin Thornton, MD

(F274) HeartMate 2 Explantation Gone Wrong: A Case of Damned If You Don't and Doomed If You Do

Marvin Chang, MD; Alexander Kuo, MD; Adam Dalia, MD

(F275) Anatomic Variation of Internal Jugular Vein in a Patient With History of Congenital Aortic Stenosis

Lu Zheng, MD; Ricardo Cardenas, MD

(F276) Paraganglioma: A Rare Middle Mediastinal Tumor

Jacquelin Cunningham, MD; Matthew McConnell, MD

(F277) Acute Right Ventricle Failure During Endovascular Mitral Valve-in-Valve Replacement

Justin Beitel, MD; Wesley Allen, MD

(F278) Echocardiographic Evaluation of “Sandwich Plug” Closure of Mechanical Aortic Valve in Left Ventricular Assist Device Implantation

Daniel Smith, MD; John McNeil, MD; Amanda Kleiman, MD

(F279) A Less Invasive Approach to Right-Sided Cardiac Vegetations

Shea Stoops, DO; Joanne Massuci

(F280) A Ruptured Sinus of Valsalva Aneurysm Leading to Acute Right Heart Failure

Nathan Herrington, DO; Allison Moriarty, MD; Benjamin Shanker, MD

(F281) Transcatheter Tricuspid Valve in Ring Under General Anesthesia Followed by a Transcatheter Tricuspid Valve-in-Valve Under Deep Sedation

Harikesh Subramanian, MBBS; Bhuvaneshwari Sandeep Ram, MD; Joseph Sanders, MD

(F282) Delayed Left Ventricular Pseudoaneurysm Following Gunshot to the Abdomen

Eric Brown, MD; Eddie Manning; Heather Reed, MD

(F283) Ruptured Sinus of Valsalva Aneurysm

Samuel Wallum, MD; Barbara Wilkey, MD

(F284) Intraoperative Evolution of Ascending Aortic Intramural Hematoma to Classic Aortic Dissection

Eric Chanowski, MD; Albert Cheung, MD; Josianna Schwan, MD

(F285) Visceral Ischemia Secondary to Occlusion From IABP Counterpulsation

John Worth, DO; Michael Little, MD; Luiz Maracaja, MD

(F286) Anesthetic Considerations in Mitral/Tricuspid Valve Surgical Patient With Hunter Syndrome

Jared Hooks, MD; Pierre LeVan, MD

(F287) The Pregnant Heart: Cardiac Surgery During the Second Trimester

Claudia Sotillo, MD

(F288) Newly Discovered Pulmonary Vein Stenosis Contributing to Systemic Pulmonary Artery Hypertension in a Parturient Undergoing Cesarean Delivery

Tina Shah, MD; Lorraine Lubin, MD

(F289) Goal-Directed Coagulation Management in the Setting of Divergent Information From POC Tests

LaTasha Moore, MD; Marc Stone, MD

(F290) Exchange Transfusion During Cardiopulmonary Bypass in a Patient With Scimitar Syndrome and Sickle Cell Trait

Charles Martin, MD; Henrique Vale, MD; Christiano Dos Santos E Santos, MD; Matthew Buck, MD; Bryan Hierlmeier, MD

(F291) Serotonin Syndrome Following Methylene Blue Administration in a Postoperative Cardiac Surgical Patient

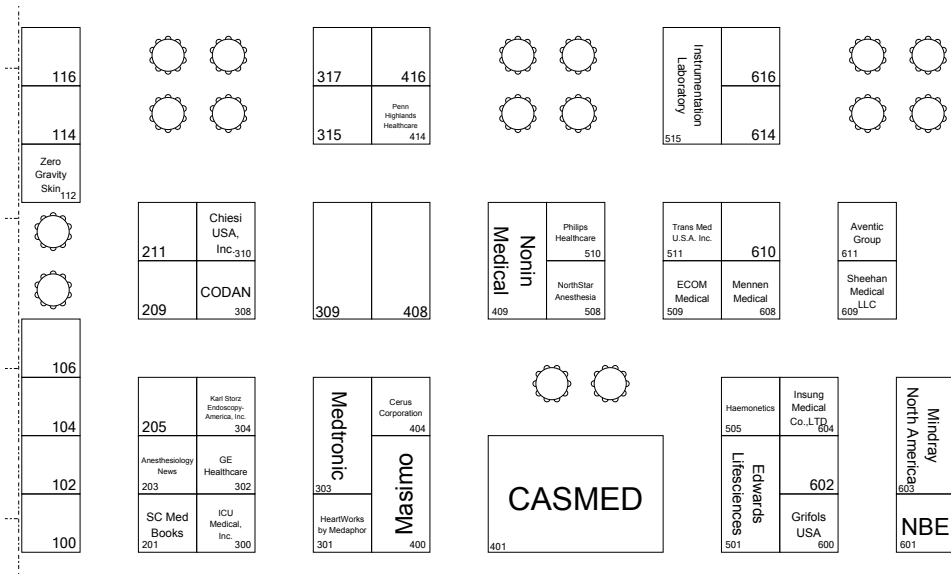
Jeffrey Amport, MD; Emily Schmidt, MD; Susanna Byram, MD

(F292) Unexpected Cardiorespiratory Collapse Prior to Induction of Anesthesia for Left Ventricular Assist Device Implantation in a Patient With Severe Heart Failure

Oscar Garcia, MD

Exhibits | Grand Canyon 6-8

Exhibitors	Booth #	Exhibitors	Booth #
Anesthesiology News	203	Karl Storz	
Aventic Group	611	Endoscopy-America, Inc.	304
CASMED	401	Medtronic	303
Cerus Corporation	404	Mennen Medical Corp.	608
Chiesi USA, Inc.	310	Mindray USA	603
Codan Inc.	308	National Board of	
ECOM Medical	509	Echocardiographic, Inc.	601
Edwards Lifesciences LLC	501	Nonin Medical	409
GE Healthcare	302	NorthStar Anesthesia	508
Grifols USA	600	Penn Highlands Healthcare	414
HAEMONETICS	505	Philips	510
HeartWorks by Medaphor	301	Sheehan Medical LLC	609
ICU Medical, Inc.	300	Trans Med U.S.A. Inc.	511
Instrumentation Laboratory	515	Zero Gravity Skin	112
Insung Medical Co., LTD	604		



Exhibits Information

The following events will take place in the hall:

Saturday, April 28

Exhibits Open: 3:30–4:30 pm

Coffee Break: 3:30–4:30 pm

Sunday, April 29

Exhibits Open: 7 am–6:45 pm

Breakfast: 7–8 am

Coffee Breaks: 10:30–11 am; 3–3:30 pm

Lunch: 12:30–1:30 pm

Reception: 5:45–6:45 pm

Monday, April 30

Exhibits Open: 7 am–1:30 pm

Breakfast: 7–8 am

Coffee Break: 10–10:30 am

Lunch: 12:30–1:30 pm

Non-CME Corporate Satellite Symposia

The material presented in these symposia is not affiliated with the education content of this meeting or SCA.

Saturday, April 28 | Noon–1 pm

Location: Grand Saguaro East/West

Healthcare-Associated Infections and Blood Transfusions: Diagnosing This “Never Event” and Progress Toward a Solution

Supported by Cerus

Sunday, April 29 | 12:30–1:30 pm

Location: Grand Saguaro East/West

CEREBRAL OXIMETRY: Applications and Evolving Concepts in the Care of the Cardiac Patient

Supported by CASMED

Monday, April 30 | 12:30–1:30 pm

Location: Grand Saguaro East/West

Advancing Noninvasive Patient Monitoring in Cardiovascular Anesthesiology

Supported by Masimo

Sponsors

SCA thanks the following sponsors of the 40th Annual Meeting & Workshops:

PLATINUM



GOLD



BRONZE



Edwards



COMMERCIAL SUPPORT

SCA would like to thank the following companies for providing an educational grant and/or in-kind equipment support for the 2018 educational workshops:

Abbott Laboratories

Biomed Simulation (provided in-kind equipment for Workshop 2)

Edwards Lifesciences (provided in-kind equipment for Workshop 4)

HeartWorks by Medaphor (provided in-kind equipment for Workshop 1 and 6)

GE Healthcare (provided in-kind equipment for Workshop 1, 3, 6, and 7)

Medtronic (provided in-kind equipment for Workshop 4)

Philips Healthineers (provided in-kind equipment for Workshop 1, 3, 4, 6, 7)

St. Jude (provided in-kind equipment for Workshop 5)

Teleflex Arrow (provided in-kind equipment for Workshop 6)

FORE-SIGHT®

The confidence of knowing®



When it comes to tissue oximetry, **Melanin Matters**



Melanin can make cerebral oxygenation readings seem lower than they are. However, not all tissue oximeters perform identically when it comes to compensating for the effects of melanin and other chromophores.

Evidence suggests that one alternative device's tissue oximetry readings could be subject to significant differences (~12 percentage points lower on average) with regard to dark- versus light-skinned patients.¹

Research and data analysis indicate that the oximeter of choice for consistent performance across all skin tones is FORE-SIGHT® tissue oximetry.

Learn more at fore-sight.com/melaninmatters.

1. Sun X, Ellis J, Corso P, Hill P, Chen F, Lindsay J. Skin pigmentation interferes with the clinical measurement of regional cerebral oxygen saturation. *British Journal of Anaesthesia*. 2014;114(2):276-280.

VISIT
Booth 401

SCA 40th Annual Meeting
April 28-30, 2018

JW Marriott Phoenix Desert Ridge Resort & Spa Phoenix, AZ

CASMED®

NOTES

[illegible]

7th Annual Thoracic Anesthesia Symposium

Program Directors



Wanda M. Popescu, MD



Ferenc Puskas, MD PhD MBA

Program Planning Committee

Randal S. Blank, MD PhD

Javier H. Campos, MD

Philip M. Hartigan, MD

Paul M. Heerdt, MD PhD FCCP

Rebecca Y. Klinger, MD MS

Jens Lohser, MD

Arne Neyrinck, MD

E. Andrew Ochroch, MD MSCE

Alessia Pedoto, MD

Jagtar Singh Heir, DO

Peter D. Slinger, MD

Stanton K. Shernan, MD FAHA FASE

CME Committee Chair

Albert C. Perrino Jr., MD

Board Liaison



YOUR MOBILE MEETING

Use your mobile device or laptop to access information about the Annual Meeting and Thoracic Anesthesia Symposium. Download the 2018 meeting app to create a personalized meeting experience all at your fingertips.

Search SCA 2018 in your app store to download the app or visit www.tripbuildermedia.com/apps/sca to access the app on your laptop!

TAS Faculty List

Diana Anca, MD

Anesthesiologist, Director EP
Anesthesia
Northshore University Hospital
New York, NY

Tim J. Batchelor, MBChB BSc MSc FRCS

Consultant Thoracic Surgeon
University Hospitals Bristol
Bristol, United Kingdom

Randal S. Blank, MD PhD

Associate Professor of
Anesthesiology
University of Virginia
Charlottesville, VA

Brandi Bottiger, MD

Assistant Professor
Duke University Medical Center
Durham, NC

Javier H. Campos, MD

Professor & Director of
Cardiothoracic Anesthesiology
University of Iowa Health Care
Iowa City, IA

Stephen R. Collins, MD

Associate Professor,
Anesthesiology
University of Virginia
Charlottesville, VA

Chris Durkin, MD

Anesthesiologist
University of British Columbia
Vancouver, Canada

Richard E. Galgon, MD MS

Assistant Professor, Department
of Anesthesiology
University of Wisconsin
Madison, WI

Donna L. Greenhalgh, MD

Consultant in Anaesthesia &
Intensive Care
University Hospital of South
Manchester
Manchester, United Kingdom

Benjamin Haithcock, MD

Associate Professor, Department
of Surgery and Department of
Anesthesia
University of North Carolina
Chapel Hill, NC

Philip M. Hartigan, MD

Director of Thoracic
Anesthesia, Department of
Anesthesiology, Perioperative
and Pain Medicine
Brigham & Women's Hospital
Boston, MA

Timothy A. Jackson, MD

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

George W. Kanellakos, MD FRCPC

Assistant Professor of
Anaesthesia, Department of
Anesthesia, Pain Management
& Perioperative Medicine
Dalhousie University
Halifax, Canada

Rebecca Y. Klinger, MD MS

Assistant Professor,
Anesthesiology
Duke University Medical Center
Durham, NC

Lavinia Kolarczyk, MD

Associate Professor,
Anesthesiology
University of North Carolina
Chapel Hill, NC

Andrew I. Levin, MBChB DA Mmed FCA PhD

HOD/Professor, Department of
Anaesthesiology and Critical
Care
University of Stellenbosch
Cape Town, South Africa

Jens Lohser, MD

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

Donn Marciniak, MD

Staff, Cardiothoracic Anesthesia
Cleveland Clinic Foundation
Cleveland, OH

Massimiliano Meineri, MD FASE

Associate Professor of
Anesthesia
University of Toronto
Toronto, Canada

Arne Neyrinck, MD

University Hospitals Leuven
Leuven, Belgium

Ju-Mei Ng, MD

Assistant Professor in
Anaesthesia
Brigham & Women's Hospital
Boston, MA

E. Andrew Ochroch, MD MSCE

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

Alessia Pedoto, MD

Associate Attending
Anesthesiologist,
Anesthesiology and Critical
Care Medicine
Memorial Sloan Kettering Cancer
Center
New York, NY

Wanda M. Popescu, MD

Associate Professor of
Anesthesiology
Yale University
New Haven, CT

Ferenc Puskas, MD PhD MBA

Clinical Professor
University of Nevada Reno
School of Medicine
Las Vegas, NV

Alan F. Ross, MD

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

Peter D. Slinger, MD

Professor of Anesthesia
University of Toronto
Toronto, Canada

Emily G. Teeter, MD FASE

University of North Carolina at
Chapel Hill
Chapel Hill, NC

Kenichi Ueda, MD

Clinical Associate Professor
University of Iowa
Iowa City, IA

Eleanor A. Vega, MD

Assistant Professor,
Anesthesiology
Duke University
Durham, NC

TAS Schedule

FRIDAY, APRIL 27

7 am–6 pm

Registration Open

7–7:50 am

Continental Breakfast With Exhibitors

Grand Sonoran F

7:50–8 am

Opening Remarks

Grand Sonoran E

8–9 am

Panel 1: Thoracic Dramas

Grand Sonoran E

Moderator: Philip Hartigan, MD

8–8:20 am

8:20–8:40 am

8:40–9 am

Three Flavors of Tracheal Obstructions **Philip Hartigan, MD**

Broncho-Pleural Fistula **Andrew Levin, MBChB**

Thoracic Trauma **Ferenc Puskas, MD**

9–9:30 am

Three Best Papers in Thoracic Anesthesia

Grand Sonoran E

Moderator: Peter Slinger, MD

9:30–9:45 am

Coffee Break With Exhibitors

Grand Sonoran F

9:45–10:45 am

Workshop Breakout 1

10:45–11:45 am

Workshop Breakout 2

WORKSHOP BREAKOUT SESSIONS

Workshop coordinators: Javier Campos, MD; Jagtar Singh Heir, DO

During each of these breakout sessions, attendees will participate in 1 of 3 possible workshops.

If you have any questions about your workshop assignments, please visit the registration desk.

Topic A

Lung Isolation: Normal and Challenging Airway

Grand Sonoran A

Moderator: Kenichi Ueda, MD

Faculty: Diana Anca, MD; Brandi Bottiger, MD; Richard Galgon, MD; Kenichi Ueda, MD

Topic B

Thoracic Ultrasound: Diagnosis and Management

Grand Sonoran B

Moderator: Massimiliano Meineri, MD

Faculty: Chris Durkin, MD; George Kanellakos, MD; Donn Marciniak, MD; Massimiliano Meineri, MD

Topic C

Chest Decompression: Tubes, Needles, and Emergencies

Grand Sonoran C-D

Moderator: Emily Teeter, MD

Faculty: Benjamin Haithcock, MD; Lavinia Kolarczyk, MD; Emily Teeter, MD

TAS

FRIDAY, APRIL 27 (continued)

11:45 am–12:45 pm
Lunch With Exhibitors

Grand Sonoran F

12:45–1:15 pm
Top Abstracts and Difficult Cases

Moderators: Alessia Pedoto, MD; Arne Neyrinck, MD

Grand Sonoran E

1:15–2 pm
Poster Session

Organizers: Alessia Pedoto, MD; Arne Neyrinck, MD

Grand Sonoran F

2–3 pm
Session 1: Everyday Challenges

Moderator: Javier Campos, MD

- | | |
|--------------|---|
| 2–2:20 pm | COPD and the Thoracic Surgical Patient Alan Ross, MD |
| 2:20–2:40 pm | Thoracic Surgery in the Morbidly Obese: Challenges and Complications Javier Campos, MD |
| 2:40–3 pm | Noninvasive Ventilation to the Rescue in the PACU! Jens Lohser, MD |

Grand Sonoran E

3–4 pm
Panel 2: Hot off the Press: ERAS Guidelines in Thoracic Surgery

Moderator: Wanda Popescu, MD

- | | |
|--------------|---|
| 3–3:20 pm | Pre-Op Training and Prehabilitation Donna Greenhalgh, MD |
| 3:20–3:40 pm | Surgical Aspects of ERAS Tim Batchelor, MBChB |
| 3:40–4 pm | Anesthesia Aspects of ERAS Emily Teeter, MD |

Grand Sonoran E

4–4:15 pm
Coffee Break With Exhibitors

Grand Sonoran F

4:15–5:15 pm
Session 2: Experts and Controversies

Moderator: Arne Neyrinck, MD

- | | |
|--------------|---|
| 4:15–4:45 pm | Pro/Con Debate: Liposomal Bupivacaine
Pro: E. Andrew Ochroch, MD
Con: Timothy Jackson, MD |
| 4:45–5:15 pm | Town Hall with Experts E. Andrew Ochroch, MD; Timothy Jackson, MD; Arne Neyrinck, MD; Wanda Popescu, MD; Ferenc Puskas, MD |

Grand Sonoran E

5:15–5:45 pm
Reception With Exhibitors

Grand Sonoran F

5:45–6:30 pm
Thoracic Jeopardy!

Moderator: Peter Slinger, MD

Grand Sonoran E

FOR SATURDAY'S TAS PBLDs, PLEASE SEE PAGE 35.

If you would like to purchase a ticket for one of the PBLDs, visit the registration desk.

TAS Oral and Poster Abstracts

TAS Top Abstracts and Difficult Cases

(TAS1) Effects of Inhaled Iloprost on Lung Mechanics and Biventricular Function Assessed by Tissue Doppler Echocardiography During 1-Lung Ventilation in Patients With Chronic Obstructive Pulmonary Disease Combined With Poor Lung Oxygenation

Young Jun Oh, MD; Namo Kim, MD

(TAS2) Critical Care After Lung Resection—Incidence and Outcome

Ben Shelley, MD; Izabella Orzechowska, MSc; Adam Glass, MB; Philip McCall, MBChB

(TAS3) Physiology of Lung Collapse During 1-Lung Ventilation

Olivier Moreault, MD

Poster Session | 1:15–2 pm

Grand Sonoran F

(TAS4) Thoracic Epidural Anesthesia for Awake Video-Assisted Thoracic Surgery

Brian Tolly, MD; Hak Wong, MBBS

(TAS5) The Association Between Intraoperative Driving Pressure and Outcome Following Lung Resection

Ben Shelley, MD; Andrew McLean, BSc; Adam Glass, MB; Martin Shaw, PhD; John Kinsella, MD; Philip McCall, MBChB

(TAS6) Perioperative Management of Patient With Tracheobronchomalacia

Mamta Chura, MBBS; Maria Bauer, MD

(TAS7) Lung Separation in Children: Options and Impact on Gas Exchange and Lung Compliance

Emad Mossad, MD

(TAS8) Traumatic Pulmonary Herniation From Blunt Chest Trauma

David Bashover, MD; Johnathan Stubblefield, MD; Tiffany Moon, MD

(TAS9) A Novel Algorithm for Identifying OLV Time in Retrospective Datasets

Ben Shelley, MD; Andrew McLean, BSc; Adam Glass, MB; Martin Shaw, PhD; Philip McCall, MBChB; John Kinsella, MD

(TAS10) Open Thoracotomy for Partial Denture Ingestion in Intravenous Drug User

Brian Abiri, DO; Dung Nguyen, MD; Dinesh Ramiah, MBBS; Annette Rebel, MD; Patrick Myszak, CRNA

(TAS11) Mycobacterium Avium Complex Infection of Biventricular Implantable Cardioverter-Defibrillator Leads

Samantha Arzillo, MD; Edward McGough, MD

(TAS12) Complete Bronchus Transection After Blunt Trauma

Dung Nguyen, MD; Shira Gambrel, MD; Sean Lawson, CRNA MSN, APRN; Brian Abiri, DO

(TAS13) Intraoperative Management of a Young Woman With Hypertrophic Cardiomyopathy and Ectopic Cushing Syndrome Secondary to a Thymic Carcinoid Presenting for Radical Thymectomy

Jamie Sparling, MD; Bushra Taha, MD

(TAS14) Anesthesia for Right Pneumonectomy and Right Lower Lobe Autotransplant

Aneel Deshmukh, MD; Edward McGough, MD

(TAS15) Role of Percutaneous Coronary Sinus Catheter in Future Cardiac Surgery

Achillina Rianto, MD; Enrique Pantin, MD; Antonio Chiricolo, MD

(TAS16) Critical Care After Lung Resection—Influence of Anaesthetic and Analgesic Technique

Ben Shelley, MD; Izabella Orzechowska, MSc; Adam Glass, MB; Philip McCall, MBChB

(TAS17) Intraoperative Dexmedetomidine Infusion Resulted in Decreases in Both Pro- and Anti-Inflammatory Cytokines in Lung Resection Surgery: A Randomized Controlled Trial

Hyun Joo Ahn, MD; Jie Ae Kim, MD; Mikyung Yang, MD; In Sun Song

(TAS18) Malignant Pulmonary Vein Thrombosis Causing Multiple Embolic Phenomena

Denise Franko, MD; Adnan Malik, MD

(TAS19) Complications From Pneumonectomy in a Patient With Severe Hypothyroidism Secondary to Immunotherapy: A Case Report and Discussion of Anesthetic Considerations

Alexandra Lewis, MD MSc; Alessia Pedoto, MD; James Isbell; David Jones, MD; Monique James, MD MPH

(TAS20) Is Amiodarone Associated With Hyponatremia When Used for Atrial Fibrillation Prophylaxis After Anatomic Lung Resection?

Jacob Jackson, MD; David Amar, MD; Hao Zhang, MD; Alessia Pedoto, MD; Gregory Fischer, MD; Isbell James

(TAS21) Effect of Preoperative Gabapentin and Acetaminophen on Opioid Consumption in Video-Assisted Thoracoscopic Surgery: A Retrospective Study

Robert Qiu, MD; Nitin Sukumar, MS; Feng Dai, PhD; Albert Perrino, MD; Wanda Popescu, MD

(TAS22) Successful Use of Pectoral Type II and Serratus Anterior Fascial Plane Blocks Utilizing Liposomal Bupivacaine for Postoperative Pain Management for a Single Lung Transplantation

Perin Kothari, DO; Jennifer Hargrave, DO

(TAS23) Erector Spinae Plane Block for Postoperative Analgesia After Thoracotomy

Sin Yeong An, MD; David Li, MD; Orode Badakhsh, MD; Leonard Lee, MD

(TAS24) Does a Combination Paravertebral Block and Intercostal Block Provide Better Pain Control Following Video-Assisted Thoracic Surgery Than Either Modality Alone?

Joseph Schwartz, MD; Christopher Tanaka, MD

(TAS25) Continuous Erector Spinae Plane Block Facilitates Opioid Sparing After VATS Surgery: A Case Series

Rebecca Klinger, MD; Rebecca Anderson, MD; Tera Cushman, MD; Thomas D'Amico, MD

(TAS26) When 1-Lung Ventilation Becomes No Ventilation: A Jet Ventilation Rescue

Matthew Rowland, MD; Sergey Karamnov, MD; Phillip Hartigan, MD; Raphael Bueno, MD; Jeffrey Swanson, MD

(TAS27) Tracheoesophageal Fistula: Unique Airway Strategies for Repair

Meredith Whitacre, MD; Meghan Brennan, MD; Heather Reed, MD

(TAS28) Tracheal T-Tubes: Anesthetic Management in Tracheal Stenosis

Matthew Rowland, MD; Ju-Mei Ng, MD

(TAS29) Clinical Experience of Lung Isolation in a Patient With Rhabdomyosarcoma of the Vocal Cord Following Partial Laryngectomy

Alexandra Lewis, MD

(TAS30) Anesthetic Management of Aortic Homograft Reconstruction for Tracheolaryngeal Surgery

Christina Jelly, MD; Xiaodong Bao, MD; Paul Alfille, MD

(TAS31) A Novel Anesthetic Approach for Tracheal Dilatation in a Heart Failure Patient

Juan Restrepo Cardenas, MD; Nisha Dave, DO; Yiliam Rodriguez Blanco, MD; Oscar Aljure, MD; Sixto Arias, MD

(TAS32) Anesthetic Management of Minimally Invasive Bilateral Transthoracic Atrial Maze Procedure for Chronic Atrial Fibrillation—A Single Institution Experience

Zhou Sun, MD; Ping Fu; Ankit Jain, MBBS; Vijay Patel, MD; Shvetank Agarwal, MD

(TAS33) Right Heart Failure, Pulmonary Hypertensive Crisis, Hypovolemia, or Ischemia? Diagnostic Challenges After Pulmonary Thromboendarterectomy

Joseph Pena, MD; Marie-Louise Meng, MD

(TAS34) Pulmonary Artery Catheter Diagnostic Utility in Acute [WORD MISSING?] on Chronic Right Heart Failure

Leigh Hickerson, MD; Ryan Hofer, MD

(TAS35) Is Mean Arterial Pressure an Adequate Index of Tissue Perfusion During Minimally Invasive Esophagectomy?

Daniel Tran, MD; Hesham Ezz, MBChB; Paul Heerdt, MD; Lingzhong Meng, MD

(TAS36) It's Not a Protamine Reaction

Zachary Woodward, MD; James P. Lee, MD; Charles B. Nyman, MD; Nicholas Sadovnikoff, MD; Alissa Sodickson, MD; Paige Georgiadis, MD; Sergey Karamnov, MD

(TAS37) An Approach for Rapid Perioperative Detection of Changes in Right Ventricular Contractility/Afterload Balance

Ryan Noska, MD; Hesham Ezz, MD; Manuel Fontes, MD; Paul Heerdt, MD

TAS Exhibitors

Exhibitor	Booth #
Ambu.....	8
CASMED.....	3
ECOM Medical.....	9
Insung Medical Co. LTD	15
Karl Storz Endocopy-America	14

TAS Sponsors



COMMERCIAL SUPPORT

SCA would like to thank the following companies for providing an educational grant and/or in-kind equipment support for the hands-on workshops:

- Ambu** (provided in-kind equipment for Workshop Topic A)
- Cook** (provided in-kind equipment for Workshop Topic A)
- FUJIFILM SonoSite** (provided in-kind equipment for Workshop Topic B)

- Karl Storz** (provided in-kind equipment for Workshop Topic A)
- Teleflex** (provided in-kind equipment for Workshop Topic A)
- TruCorp** (provided in-kind equipment for Workshop Topic C)



SCA 41ST ANNUAL MEETING & WORKSHOPS

MAY 18–22, 2019 | CHICAGO, IL
HYATT REGENCY CHICAGO



**8TH ANNUAL THORACIC
ANESTHESIA SYMPOSIUM**

MAY 17, 2019



SOCIETY OF
CARDIOVASCULAR
ANESTHESIOLOGISTS
Knowledge • Care • Investigation