

Network: PalmSpringsCC



Password: SCA2022

SCA 2022

ANNUAL MEETING & WORKSHOPS

MAY 14 - 17, 2022
PALM SPRINGS • CALIFORNIA
PALM SPRINGS CONVENTION CENTER



Dear Colleagues,

Welcome to Palm Springs and thank you for attending SCA's 44th Annual Meeting & Workshops!

We're confident that this meeting will provide countless opportunities to enhance your knowledge and celebrate our specialty with your peers. The educational programming is full of research, recent advancements, and innovative content designed to explore contemporary care and examine the best pathways to advance care for the future.

The Scientific Program Planning Committee has created a program that will stimulate ideas, questions, discussion, and friendly debate. The conference features speakers who are anesthesiologists, surgeons, cardiologists, perfusionists, research scientists, and more; content-rich workshops that focus on skill building; daily Problem-Based Learning Discussions for small-group interaction; and over 450 scientific abstracts and challenging case presentations. We hope that you will take advantage of every opportunity to expand your knowledge by attending a variety of sessions and networking with the field's leading professionals. We look forward to seeing you and hope you enjoy your time in Palm Springs!

Best wishes,

Andrew Shaw

Andrew D. Shaw
MB, FRCA, FRCPC, FFICM
President, 2021-2023

Welcome



Dear Colleagues,

We are so excited that you have decided to join us for our first in-person educational event since 2019. We know how challenging the last two years have been for all of us, and we want to take a moment to express our thankfulness for each of you who have taken care of critically ill patients, while also taking care of your families and one another.

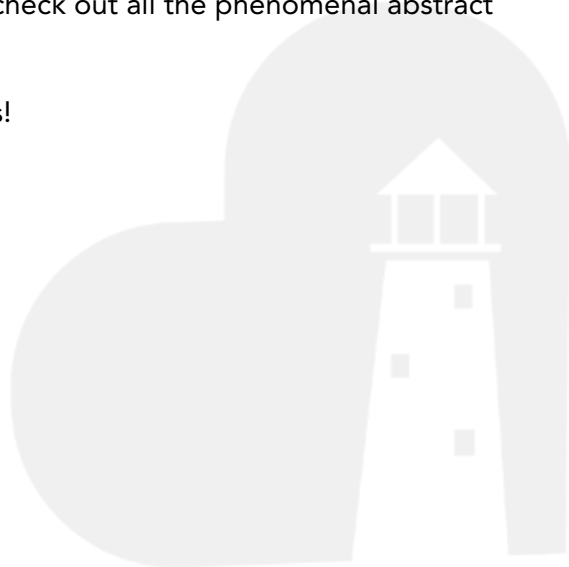
We recognize how precious your time is and how hard you have all been working. In response to this, your Scientific Program Committee has created the first hybrid program in the history of the SCA! While we are THRILLED to be back live-in person, we are also excited to connect with some of you virtually and extend our community reach. Our goals for the #AM22 are to bring you together for networking, to update you with the latest cardiothoracic anesthesia information, and to encourage you to engage with one another in multiple hybrid question and answer sessions, in-person workshops, mentoring sessions, and problem-based learning sessions.

From cutting edge sessions on Precision Perioperative Care to our fireside chat on Adult Cardiac Anesthesia Certification, each session is designed to bring you clear and timely information pertinent to our amazing specialty. We are looking forward to reconnecting with old colleagues and meeting new ones. Feel free to reach out to any of the program faculty through our virtual platform or stop and ask a question in between the live sessions. Be sure and check out all the phenomenal abstract presentations, including the popular Super Echo Panel!

Welcome to the meeting, we are honored you have joined us!

Best,

Sasha K. Shillcutt
MD, MS, FASE
Chair, Scientific Program Committee, 2020-2022



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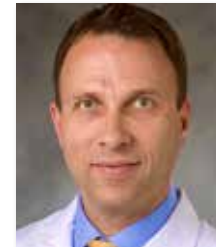
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FRIDAY, MAY 13, 2022

| ROOM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM | 7 PM |
|------|---|------|------|-------|-------|-------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | | |
| | 10TH ANNUAL THORACIC ANESTHESIA SYMPOSIUM | | | | | | | | | | | | |

SATURDAY, MAY 14, 2022

All Times In Pacific Standard Time

| ROOM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM |
|-------------------------|------------|--|---------------------------------------|--------------------------------|--|-------|---|------|------|--|-----------------------------------|-------------------------|
| Mesquite C-H | PBLDS: 1-6 | | | | | | | | | | | |
| Pasadena/Sierra/Ventura | | | WORKSHOP #1: PoCUS | | | | | | | WORKSHOP #3: EP | | |
| Andres/Chino/Pueblo | | | WORKSHOP #2: Professional Development | | | | | | | | | |
| Catalina/Madera | | | | | | | | | | WORKSHOP #4: Regional | | |
| Oasis 1 | | PLENARY SESSION Refresher Course Lectures | | | GENERAL SESSION Too Hot to Clot? Coagulopathy Controversies Debate | | GENERAL SESSION What Does the Adult Cardiothoracic Anesthesiologist Need to Know About Congenital Heart Disease? | | | GENERAL SESSION Comprehensive Approach to Transcatheter Mitral Valve Edge to Edge Repair - Soup to Nuts! | | |
| Primo A | | | | | GENERAL SESSION Manage Right Heart Failure- Challenges and Opportunities | | GENERAL SESSION Recent ECMO Lessons and Innovations | | | GENERAL SESSION Recent ECMO Lessons and Innovations | | |
| Primo D | | | | | | | GENERAL SESSION Taking Care of the Anesthesiologist | | | | | Mentor & Mentee Session |
| Oasis 3A | | | | Fellow and Resident Posters | Fellow and Resident Posters | | | | | | Fellow and Resident Posters | |
| Primo C | | | | | | | | | | | | |
| Primo B | | | | | | | FELLOW AND RESIDENT PROGRAM Mission Possible Residents 1-2pm PBLD 2-3:30pm | | | Complex Cases | | |

SUNDAY, MAY 15, 2022

All Times In Pacific Standard Time

| ROOM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM |
|-------------------------|-------------|---|---|-------|--|-----------------------------|------|---|---------------------------------|---|------|--------------------------|
| Mesquite C-H | PBLDS: 7-12 | | | | | | | | | | | |
| Catalina/Sierra/Ventura | | | WORKSHOP #5: Interventional | | | | | | | | | |
| Pasadena/Sierra/Ventura | | | | | | | | | WORKSHOP #6: Advanced TEE | | | |
| Oasis 1 | | EARL WYNANDS LECTURE (Un)Professional Behavior in the Cardiac Theatre: Surely Not Problematic in 2022? | PLENARY SESSION Precision Perioperative Care in Cardiothoracic Surgery | | GENERAL SESSION PoCUS Potpourri: Nuts and Bolts of PoCUS | | | GENERAL SESSION QUALITY: It's All in A Plane: The Rapidly Expanding Field of Chest Wall Regional | | GENERAL SESSION Valves, Measures, and Worries: The Past, Present, and Future | | ADULT CARDIAC ANESTHESIA |
| Primo A | | | | | GENERAL SESSION LVAD Updates 2022 | | | GENERAL SESSION TAS Let Me Tell You What is New in Thoracic Anesthesia | | GENERAL SESSION Valves, Measures, and Worries: What's New in Patient Blood Management Strategies for 2022? New Guidelines, New Hemoglobin Triggers, What Else Should I Know For My Cardiac Surgical Patient? | | |
| Primo B | | | | | GENERAL SESSION Atrial Fibrillation: Interventional Strategies and the Role of the Cardiac Anesthesiologist | | | GENERAL SESSION COVID and Pandemics: What Mark Do They Leave on Cardiothoracic Surgery? | BOM & EARLY CAREER INVESTIGATOR | | | |
| Primo D | | | | | | Scientific Poster Session 1 | | | SUPER ECHO | | | |

In-Person Only


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MONDAY, MAY 16, 2022

All Times In Pacific Standard Time

| ROOM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM |
|--------------|--------------|---|------|---------------|--|------------------------------------|------|---|------|---|------------------|
| Mesquite C-H | PBLDS: 13-18 | | | | | | | | | | |
| Oasis 1 | | PLENARY SESSION Mitral Regurgitation: Who, What, When, Where, and Why? | | ASA Update | Keynote Speaker Developing Physician Leaders | Business Meeting & Awards | | GENERAL SESSION Adventures in Structural Heart | | GENERAL SESSION Gas or Brake? Driving Surgical Direction When Intraoperative Echocardiographical Roadblocks Appear | Echo Jeopardy |
| Primo A | | | | | | | | GENERAL SESSION EACTAIC - Hot Topics for Mechanical Circulatory Assist Devices and Transplantation | | GENERAL SESSION RIFLE"-ing Through AKI | |
| Primo B | | | | | | | | GENERAL SESSION I Need Cardiac Anesthesia in Labor and Delivery - Stat | | GENERAL SESSION Let's Not Forget About Right-Sided Valves - Tricuspid Valve Therapies and Controversies | |
| Primo C | | | | | | | | | | BOM2 | |
| Primo D | | | | | | Scientific Poster Session 2 | | | | | |

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SCA 2022

44TH ANNUAL MEETING & WORKSHOPS
MAY 14 - 17, 2022 • PALM SPRINGS, CALIFORNIA

TUESDAY, MAY 17, 2022

All Times In Pacific Standard Time

| ROOM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | 12 PM | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM |
|-------------------------|--------------|---|------|-------|--|--------------------------------|--|---|--------------------------------|---|------|
| Mesquite C-H | PBLDS: 19-24 | | | | | | | | | | |
| Mesquite C-G | | | | | | | PBLDS: 25-29 | | | | |
| Pasadena/Sierra/Ventura | | | | | | | | WORKSHOP #7: 3D TEE | | | |
| Oasis 1 | | PLENARY SESSION Interventional Echocardiography for Structural Heart What to Say When All Eyes Are On You! | | | GENERAL SESSION Snap Chat with the Experts: Short and Sweet But Packed with Information! | | GENERAL SESSION Fibrinogen Concentrate vs. Cryoprecipitate: Is the U.S. Behind the Times or Are We Following the Evidence? | GENERAL SESSION Society for the Advancement of Transplant Anesthesia Session | | GENERAL SESSION Patient Safety and Cardiac Surgery: What Can Be Improved? | |
| Primo A | | | | | GENERAL SESSION Artificial Intelligence and Machine Learning for Cardiac Anesthesiologists | | | GENERAL SESSION Cardiac Anesthesiologists Outside the Cardiac Ors | | GENERAL SESSION Build to the Future: Investing in the Teachers of Today for the Best Cardiothoracic Anesthesiologists of Tomorrow | |
| Primo B | | | | | GENERAL SESSION Equity, Diversity, and Inclusion: How Can Improve in Cardiac Anesthesiology? | | GENERAL SESSION Clinical Research – How to Get Started | | | | |
| Primo C | | | | | | | | | Fellow and Resident TEE Review | | |
| Primo D | | | | | | Scientific Poster Session 3 | | | | | |

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SCA ANNUAL MEETING AGENDA

SATURDAY, MAY 14, 2022

7:00 AM – 8:00 AM PT

Mesquite C-H

Problem-Based Learning Discussions (#1- 6)

PBLD #1: Lung Transplantation Management

Moderators: Archer K. Martin, MD and Brandi Bottiger, MD

PBLD #2: ECMO in Thoracic Surgery

Moderators: Nazish Hashmi, MBBS and Ingrid Moreno-Duarte, MD

PBLD #3: How to Design and Implement a Thoracic ERAS Program at Your Hospital

Moderators: Alessia Pedoto, MD, FASA and Amanda Kleiman, MD

PBLD #4: Patient on LVAD for Thoracic Surgery

Moderators: Wanda M. Popescu, MD and Diana Anca, MD

PBLD #5: Airway Crisis in the Thoracic Surgical Patient

Moderators: Philip Hartigan, MD and Stephen Collins, MD, MS

PBLD #6: Oxygenation in One-Lung Ventilation

Moderators: Ryan Lesh, MD and John McNeil, MD

8:00 AM – 10:00 AM PT

Oasis 1

Refresher Course Lectures

Moderator: Sasha K. Shillcutt, MD, MS, FASE

Virtual Moderator: Jochen Muehlschlegel, MD, MMSC, MBA, FAHA, FASA

- | | |
|--------------------|--|
| 8:00 AM – 8:25 AM | Risk of Kidney Dysfunction During Open Cardiac Surgery: What are the Numbers and How Do We Avoid It? <i>Speaker: Amanda A. Fox, MD, MPH</i> |
| 8:25 AM – 8:50 AM | Cardiac OR Coagulation Quandaries: Pathways, Drugs and Algorithms <i>Speaker: Nadia B. Hensley, MD</i> |
| 8:50 AM – 9:15 AM | Update in Perioperative Assessment and Management of Right Ventricular Failure <i>Speaker: Nicholas W. Markin, MD, FASE</i> |
| 9:15 AM – 9:40 AM | MCS Devices: Where Are We Today? <i>Speaker: Shahzad Shaefi, MD, MPH</i> |
| 9:40 AM – 10:00 AM | Question & Answer |

9:00 AM – 12:00 PM PT

Pasadena / Sierra / Ventura Renaissance Hotel

Workshop #1: PoCUS Workshop

Moderators: Shahzad Shaefi, MD, MPH and Megan Chacon, MD

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|--------------------|---|
| 9:00 AM – 9:10 AM | We Should Care About the Future of PoCUS! <i>Speaker: McKenzie Hollon, MD, FASE</i> |
| 9:10 AM – 9:20 AM | How POCUS and TTE Has Expanded My Practice <i>Speaker: Benjamin C. Tuck, MD</i> |
| 9:25 AM – 12:00 PM | Workshop Station: The Basic TTE Exam and Comparison TEE Views <i>Speaker: Bradley J. Coker, MD</i> |
| | Workshop Station: Ultrasound for Evaluation of Hypoxia/Dyspnea <i>Speaker: Sheela Pai Cole, MD, FASE, FASA and Vidya Rao, MD, MBA</i> |

Workshop Station: FAST Examination and Gastric Ultrasound

Speaker: Laeben Lester, MD and Ravi V. Joshi, MD, FASE

Workshop Station: FOCUS Cardiac Examination

Speaker: Massimiliano Meineri, MD, FASE and Benjamin C. Tuck, MD

Workshop Station: Rescue Echo

Speaker: Brandon Smoller, MD and Walker Thomas, MHPTT, FASE, RDCS

Workshop Station: Vascular Access and Portable/Handheld Devices

Speaker: Abirami Kumaresan, MD, and Austin Adams, MD

9:00 AM – 12:00 PM PT

Andres / Renaissance Hotel

Workshop #2: Professional Development Workshop

Moderators: Emily Methangkool, MD, MPH and James Abernathy III, MD, MPH, FAHA, FASE

Presentations (9:00 AM -10:00 AM)

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|---------------------|---|
| 9:00 AM – 9:15 AM | What I Look for in Leaders: How to Choose the Right Person for the Right Task <i>Speaker: David L. Reich, MD</i> |
| 9:15 AM – 9:30 AM | The Art of Saying No – Essential Time Management Skills <i>Speaker: Lavinia Kolarczyk, MD, FASA</i> |
| 9:30 AM – 9:45 AM | How to Deliver a Mind-blowing Presentation <i>Speaker: Mary Beth Brady, MD, FASE</i> |
| 9:45 AM – 10:00 AM | How to Promote Equity, Diversity, and Inclusion in Your Practice <i>Speaker: Maya Jalbout Hastie, MD, EdD</i> |
| 10:00 AM – 12:00 PM | <p>Workshop Station: Networking 101 – How to Perfect Your “Elevator Pitch” <i>Speaker: Jonathan Leff, MD, FASE</i></p> <p>Workshop Station: Negotiating Tips <i>Speaker: Douglas C. Shook, MD, FASE and Thomas McLoughlin, MD, FASA</i></p> <p>Workshop Station: Mentoring for Career Development with SCA Leaders <i>Speakers: Andrew D. Shaw, MB, FRCA, FRCPC, FFICM, Christopher Troianos, MD, FASE, FASA, Mark A. Taylor, MD, FASE Gordon Morewood MD, MBA, FASE, FASA, Peter Panzica, MD, Kathryn E. Glas, MD, MBA, Stanton K. Shernan, MD, FASE, FASA, and Maxime Cannesson, MD, PhD</i></p> <p>Workshop Station: How to Transform Your Leadership <i>Speaker: James Abernathy III, MD, MPH, FAHA, FASE</i></p> |

10:00 AM – 10:30 AM PT

Oasis 2

Coffee Break

10:00 AM – 11:00 AM PT

Oasis 3A

Fellow and Resident Poster Sessions

10:30 AM – 12:00 PM PT

Oasis 1

Too Hot to Clot?: Coagulopathy Controversies Debate

Moderator: Jennifer Hargrave, DO

Virtual Moderator: Adam A. Dalia, MD, MBA, FASE

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|---------------------|--|
| 10:30 AM – 10:40 AM | <p>PRO: Intraoperative Autologous Blood Collection (Acute Normovolemic Hemodilution) Should Be Utilized to Prevent Postbypass Coagulopathy <i>Speaker: Shiva Murthy Sale, MD</i></p> |
| 10:40 AM – 10:50 AM | <p>CON: Intraoperative Autologous Blood Collection (Acute Normovolemic Hemodilution) Should Be Utilized to Prevent Postbypass Coagulopathy <i>Speaker: Michael Fabbro II, DO, MBA</i></p> |

SCA ANNUAL MEETING AGENDA

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|---------------------|---|
| 10:50 AM – 11:00 AM | PRO: Antifibrinolytic Therapy Debate: Aminocaproic Acid Is Superior to Tranexamic Acid <i>Speaker: Kenichi Tanaka, MDD</i> |
| 11:00 AM – 11:10 AM | CON: Antifibrinolytic Therapy Debate: Aminocaproic Acid Is Superior to Tranexamic Acid <i>Speaker: Jerrold H. Levy, MD, FAHA, FCCM</i> |
| 11:10 AM – 11:20 AM | PRO: Tried and Proved vs. a Potential New Choice in Heparin Alternatives – Bivalirudin vs. Dabigatran <i>Speaker: Linda Shore-Lesserson, MD, FAHA, FASE</i> |
| 11:20 AM – 11:30 AM | CON: Tried and Proved vs. a Potential New Choice in Heparin Alternatives – Bivalirudin vs. Dabigatran <i>Speaker: Michael P. Eaton, MD</i> |
| 11:30 AM – 12:00 PM | Question & Answer |

10:30 AM – 12:00 PM PT

Primo A

Manage Right Heart Failure-Challenges and Opportunities: Case-Based Panel Discussion

Moderator: Candice Montzingo MD, FASE

Virtual Moderator: Jiapeng Huang, MD, PhD, FASE, FASA

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|---------------------|--|
| 10:30 AM – 10:50 AM | Clinical Management of Perioperative Right Heart Failure – Case-Based <i>Jeffrey C. Songster, MD</i> |
| 10:50 AM – 11:10 AM | Right Heart Failure in Patients With COVID-19 for Anesthesiologists – Case-Based <i>Brandi Bottiger, MD</i> |
| 11:10 AM – 11:30 AM | Protecting the Right Ventricle Network (PRORVNet): Time to Defend the “Forgotten Ventricle”? <i>Ken Kuljit S. Parhar, MD, MSc</i> |
| 11:30 AM – 11:50 AM | Use of Regional anesthesia in Right Heart Failure – Case-Based <i>Jacques Neelankavil, MD</i> |
| 11:50 AM – 12:00 PM | Question & Answer |

11:00 AM – 12:00 PM PT

Oasis 3A

Fellow and Resident Poster Sessions

12:00 PM – 1:00 PM PT

Primo C

Industry Sponsored Product Theater

1:00 PM – 2:00 PM PT

Primo D

Mission Possible Residents

1:00 PM – 2:30 PM PT

Primo A

SOCCA – Snap Chats in Cardiac Critical Care

Moderator: Shahzad Shaefi, MD, MPH

Virtual Moderator: Mihai V. Podgoreanu, MD, FASE

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|-------------------|--|
| 1:00 PM – 1:15 PM | POCUS in the CVICU - Do We Need it Now More Than Ever, What's the Evidence? <i>Megan Chacon, MD</i> |
| 1:15 PM – 1:30 PM | Contemporary Monitoring in the ICU - Beyond the Swan <i>Abirami Kumaresan, MD</i> |
| 1:30 PM – 1:45 PM | Coverage of Cardiac Critical Care - New Paradigms in Training and Staffing <i>Michael C. Grant, MD, MSE</i> |

- 1:45 PM – 2:00 PM Cardiogenic Shock Teams
Speaker: Joseph S. Meltzer, MD
- 2:00 PM – 2:15 PM Evolving Role of Anesthesiology Intensivists in Cardiothoracic Critical Care
Speaker: Megan Krajewski, MD
- 2:15 PM – 2:30 PM Question & Answer

1:00 PM – 2:30 PM PT

Oasis 1

What Does the Adult Cardiothoracic Anesthesiologist Need to Know About Congenital Heart Disease?

Moderator: Emily Methangkool, MD, MPH

Virtual Moderator: Raghavendra Govinda, MBBS, MD

- 1:00 PM – 1:25 PM What Every Anesthesiologist Needs to Know about Congenital Cardiac Surgery: A Primer
Speaker: Tiffany Williams, MD, PhD
- 1:25 PM – 1:50 PM ACHD Patients and Noncardiac Surgery – Is a Cardiac Anesthesiologist Needed?
Speaker: Jochen Steppan, MD, DESA, FAHA, FASA
- 1:50 PM – 2:15 PM New Interventions for ACHD Patients
Speaker: Denise Joffe, MD
- 2:15 PM – 2:30 PM Question & Answer

1:00 PM – 2:30 PM PT

Primo B

Taking Care of the Anesthesiologist

Moderator: Jenny Kwak, MD, FASE, FASA

Virtual Moderator: Sasha K. Shillcutt, MD, MS, FASE

- 1:00 PM – 1:15 PM Leadership and Mentorship
Sasha K. Shillcutt, MD, MS, FASE
- 1:15 PM – 1:30 PM Teaching Through Generational Gaps
Tjorvi Perry, MD, MMSc
- 1:30 PM – 1:45 PM Staffing Models: Nonclinical Time
Douglas C. Shook, MD, FASE
- 1:45 PM – 2:00 PM Social Media in Medicine
Ludmil Mitrev, MD, FASA
- 2:00 PM – 2:15 PM Physician Health: Satisfaction and Sustainability
Kathryn E. Glas, MD, MBA
- 2:15 PM – 2:30 PM Question & Answer

2:00 PM – 3:30 PM PT

Primo C

Fellow and Resident: Problem-Based Learning Discussion

2:30 PM – 5:30 PM PT

Catalina / Madera / Renaissance Hotel

Workshop #3: Perioperative Pacemaker and Implantable Cardioverter Defibrillator Management Workshop

Moderators: Candice Montzingo, MD, FASE and Michael Essandoh, MD, FASE

- 2:30 PM – 2:50 PM Transvenous Pacemaker and ICD Functions and Programming
Speaker: Brett Cronin, MD
- 2:50 PM – 3:10 PM Leadless Pacemaker (Micra VR, Micra AV, and WiSE CRT Systems) Functions and Programming
Speaker: Jonathan Leff, MD, FASE

SCA ANNUAL MEETING AGENDA

- 3:10 PM – 3:30 PM Subcutaneous Implantable Cardioverter-Defibrillator (S-ICD) Functions and Programming
Speaker: Reed Harvey, MD
- 3:30 PM – 3:50 PM Guidelines for Perioperative Management of Patients with a Cardiac Implantable Electrical Device
Speaker: Annemarie Thompson, MD
- 3:50 PM – 4:10 PM Establishing a Perioperative Device Management Service
Speaker: Adam A. Dalia, MD, MBA, FASE
- 4:10 PM – 5:30 PM **Workshop Station:** Magnet Use
Speakers: Jonathan Leff, MD, FASE, Emily Methangkool, MD, MPH, and Eric W. Nelson, DO, FASA
- Workshop Station:** Perioperative Pacemaker Modes Selection
Speakers: Kimberly Howard-Quijano, MD, MS, FASE, and David E. Morgan III, MD
- Workshop Station:** Perioperative TV-ICD, and S-ICD Management
Speaker: Brett Cronin, MD
- Workshop Station:** Case discussion: Transvenous Lead Extraction
Speakers: Reed Harvey, MD and Timothy Maus, MD, FASE

2:30 PM – 5:30 PM PT

Pasadena/ Sierra / Ventura / Renaissance Hotel

Workshop #4: Regional Workshop

Moderators: Jennifer Hargrave, DO and Stephanie Ibekwe, MD, MPH, MS

- 2:30 PM – 2:45 PM Innovation/Anatomy of the Chest Wall and Surgical Approach Considerations
Speaker: Himani Bhatt, MD
- 2:45 PM – 3:00 PM Evidence Behind Chest Wall Regional Anesthesia
Speaker: Tiffany Williams, MD, PhD
- 3:00 PM – 5:30 PM **Station 1A/1B:** Advanced Techniques for Optimizing Your Ultrasound Image
Speakers: Brett J. Wakefield, MD and Abimbola Faloye, MD, FASE, FASA
- Station 2A/2B:** Pectoral Intercostal Fascial block vs. Transversus Thoracic Plane Blocks
Speakers: Michael C. Grant, MD, MSE and Daniel A. Tolpin, MD
- Station 3A/3B:** PEC I and PEC II
Speakers: Benu Makkad, MD and Tiffany Williams, MD, PhD
- Station 4A/4B:** ESP
Speakers: Jessica Brodt, MD and Samhati Mondal, MD
- Station 5A/5B:** SAP Blocks/Rectus Sheath Blocks
Speakers: Marta Kelava, MD and Himani Bhatt, MD

3:30 PM – 4:00 PM PT

Coffee Break with Exhibitors

Oasis 2

4:00 PM – 5:00 PM PT

Complex Cases

Primo B

4:00 PM – 5:30 PM PT

Recent ECMO Lessons and Innovations

Moderator: Adam A. Dalia, MD, MBA, FASE

Virtual Moderator: Nadia B. Hensley, MD

Primo A

- 4:00 PM – 4:15 PM VV ECMO Challenges and Lessons Learned during the COVID-19 Pandemic
Speaker: Jacob Gutsche, MD

- 4:15 PM – 4:30 PM Optimal LV Venting in VA ECMO Patients with Cardiogenic Shock
Speaker: Austin Adams, MD
- 4:30 PM – 4:45 PM Use of VWF Concentrate to Treat ECMO Related Coagulopathy
Speaker: Michael A. Mazzeffi, MD, MPH
- 4:45 PM – 5:00 PM Optimal Anticoagulation During ECMO (DTI vs. Heparin)
Speaker: Sheela Pai Cole, MD, FASE, FASA
- 5:00 PM – 5:15 PM ECPR: Emerging Standard of Care for Post-Cardiotomy Arrest or Another Case of Excess Healthcare Utilization?
Speaker: Kenneth Shelton, MD
- 5:15 PM – 5:30 PM Question & Answer

4:00 PM – 5:30 PM PT

Oasis 1

Comprehensive Approach to Transcatheter Mitral Valve Edge to Edge Repair – Soup to Nuts!

Moderator: Mary Beth Brady, MD, FASE

Virtual Moderator: Michele Sumler, MD, MA, FASE

- 4:00 PM – 4:25 PM Transcatheter Mitral Valve Edge to Edge Repair – Waste of Time or Worth the Effort? What Does the Science Say?
Speaker: Pingping Song, MD, MS
- 4:25 PM – 4:50 PM Step by Step – the Basics of Transcatheter Mitral Edge to Edge Procedures
Speaker: Laeben Lester, MD
- 4:50 PM – 5:15 PM Transcatheter Mitral Edge to Edge Procedures – Show Me the Cases!
Speaker: Nelson Thaemert, MD
- 5:15 PM – 5:30 PM Question & Answer

5:00 PM – 6:00 PM PT

Oasis 3A

Fellow and Resident Poster Session

6:00 PM – 7:00 PM PT

Primo D

Mentor and Mentee Roundtable

SUNDAY, MAY 15, 2022

7:00 AM – 8:00 AM PT

Mesquite C-H

Problem-Based Learning Discussions (#7-12)

PBLD #7: Unexpected Intraoperative Echo Findings: When Your Exam Should Change the Surgical Plan (Or Not)

Moderators: Douglas C. Shook, MD, FASE and Anne Cherry, MD, FASE

PBLD #8: Severe Pulmonary Hypertension and Noncardiac Surgery – No Need to Be Afraid

Moderators: Jochen Steppan, MD, DESA, FAHA, FASA and Sinead Nyhan, MD

PBLD #9: Role of ECMO in COVID 19

Moderators: Lilibeth Fermin, MD, MBA and Shahzad Shaefi, MD, MPH



PBLD #10: How to Launch a Successful Peri-Operative Cardiac Surgical Home at Your Institution?

Moderators: Harikesh Subramanian, MD and Kathirvel Subramaniam, MD, MPH, FASE

SCA ANNUAL MEETING AGENDA

PBLD #11: Aortic Arch Reconstruction and Deep Hypothermic Circulatory Arrest – Perioperative Considerations (Cerebral Protection, Coagulopathy and Many More)!!

Moderators: Samhati Mondal, MD and Kenichi Tanaka, MD

PBLD #12: You WANT that Rhythm!? Navigating Anesthetic Management of Ventricular Tachycardia Ablation in the Electrophysiology Laboratory

Moderators: Matthew Vanneman, MD and Diana Anca, MD

8:00 AM – 9:00 AM PT

Earl Wynands Lecture

Moderator: Sasha K. Shillcutt, MD, MS, FASE

Virtual Moderator: Sharon McCartney, MD, FASE



Oasis 1

(Un) Professional Behavior in the Cardiac Theatre: Surely Not Problematic in 2022?

Speaker: Eric Jacobsohn MBChB, MPHE, FRCPC

9:00 AM – 12:00 PM PT

Workshop #5: Interventional Workshop

Moderators: Jenny Kwak, MD, FASE, FASA and Nadia B. Hensley, MD

Cataliana / Madera / Renaissance Hotel

Workshop Station 1: TAVR PBLD

Speakers: Choy Lewis, MD and Pingping Song, MD, MS

Workshop Station 2: TAVR Equipment and Imaging

Speakers: Jenny Kwak, MD, FASE, FASA, Nadia B. Hensley, MD and Eric W. Nelson, DO, FASA

Workshop Station 3: MitraClip PBLD

Speakers: James Lee, MD and Carly Peterson, MD, FRCPC

Workshop Station 4: MitraClip Q-Lab and Multivue Analysis

Speakers: Megan Chacon, MD and Austin Adams, MD

Workshop Station 5: MitraClip Equipment and Imaging

Speaker: Charles Nyman, MBBCh

Workshop Station 6: Watchman and LARIAT Equipment and Imaging

Speakers: Jeffrey C. Songster, MD and Jacques Neelankavil, MD

9:00 AM – 10:30 AM PT

Precision Perioperative Care in Cardiothoracic Surgery

Moderator: Mihia Podgoreanu, MD, FASE

Virtual Moderator: Shahzad Shaefi, MD, MPH



Oasis 1

9:00 AM – 9:15 AM Goal Directed Perfusion
Speaker: Viachaslau Barodka, MD

9:15 AM – 9:30 AM Cerebrovascular Autoregulation Monitoring and Outcomes After Cardiac Surgery
Speaker: Charles W. Hogue, MD

9:30 AM – 9:45 AM Precision Hemodynamic Monitoring in the Era of Mechanical Circulatory Support
Speaker: Mihai V. Podgoreanu, MD, FASE

9:45 AM – 10:00 AM Prediction of Intraoperative Hemodynamic Instability
Speaker: Maxime Cannesson, MD, PhD

10:00 AM – 10:30 AM Question & Answer

10:30 AM – 11:00 AM PT

Coffee Break with Exhibitors

Oasis 2

11:00 AM – 12:30 PM PT

PoCUS Potpourri: Nuts and Bolts of POCUS

Moderator: Kelly Ural, MD, FASA

Virtual Moderator: Adam A. Dalia, MD, MBA, FASE

Oasis 1

- 11:00 AM – 11:10 AM PoCUS Controversies – Certification, Credentialing, Billing – Who's Doing It vs. Who Should Be Doing It?
Speaker: Nicholas W. Markin, MD, FASE
- 11:10 AM – 11:20 AM PoCUS for Trainees – What's Required by ABA and ACGME
Speaker: Brandon Smoller, MD
- 11:20 AM – 11:35 AM Gastric and Lung U/S - AKA, the Other Parts of PoCUS
Speaker: Benjamin C. Tuck, MD
- 11:35 AM – 11:50 AM The FOCUS of PoCUS – What Should you Include in a Limited TTE Exam for Max Benefit
Speaker: McKenzie Hollon, MD, FASE
- 11:50 AM – 12:00 PM Training the Trainers – Teach One... Then See One, Do One??
Speaker: Feroze Mahmood, MD, FASE
- 12:00 PM – 12:30 PM Question & Answer

11:00 AM – 12:30 PM PT

LVAD Updates for 2022

Moderator: Tara Brakke, MD, FASE

Virtual Moderator: Michael K. Essandoh, MD, FASE

Primo A

- 11:00 AM – 11:15 AM What's New in LVAD Technology?
Speaker: Jochen Steppan, MD, DESA, FAHA, FASA
- 11:15 AM – 11:30 AM RV Failure after LVAD Placement: Echo Assessment
Speaker: Julie Wyrobek, MD
- 11:30 AM – 11:45 AM RV Failure after LVAD Placement: Meds vs Mechanics; What are the Options?
Speaker: Mias Pretorius MBChB, MSCI
- 11:45 AM – 12:00 PM All the Patients All the Time: Cardiac Anesthesiologists Should Care for All LVAD Patients for All Procedures PRO Argument
Speaker: Ratna Vadlamudi, MD, FASE
- 12:00 PM – 12:15 PM All the Patients All the Time: Cardiac Anesthesiologists Should Care for All LVAD Patients for All Procedures CON Argument
Speaker: Candice Morrissey, MD, MSPH, FASE
- 12:15 PM – 12:30 PM Question & Answer

11:00 AM – 12:30 PM PT

Atrial Fibrillation: Interventional Strategies and the Role of the Cardiac Anesthesiologist

Moderator: Jonathan K. Ho, MD, FASE

Virtual Moderator: Jochen Muehlschlegel, MD, MMSC, MBA, FAHA, FASA

Primo B

- 11:00 AM – 11:15 AM Mechanisms of Atrial Fibrillation: Postoperative AFib vs. Chronic AFib
Speaker: Jochen Muehlschlegel, MD, MMSC, MBA, FAHA, FASA
- 11:15 AM – 11:30 AM Treatment Overview of AFib Management: Interventional Strategies and Much More
Speaker: Eric Buch, MD
- 11:30 AM – 11:45 AM Left Atrial Appendage Closure: Procedural and Imaging Considerations in the Cath Lab
Speaker: Rebecca Aron, MD

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SCA ANNUAL MEETING AGENDA

11:45 AM – 12:00 PM Surgical Atrial Fibrillation Management: Why and How
Speaker: Reed Harvey, MD

12:00 PM – 12:30 PM Question & Answer

12:30 PM – 1:30 PM PT **Industry Sponsored Product Theater**

Primo C

12:30 PM – 1:30 PM PT **Scientific Poster Session**

Primo D

1:30 PM – 3:00 PM PT **QUALITY: It's All in a Plane: The Rapidly Expanding Field of Chest Wall Regional Anesthesia**

Oasis 1

Moderator: Jennifer Hargrave, DO

Virtual Moderator: Jacques Neelankavil, MD

1:30 PM – 1:45 PM Straight Down the Middle – Approaching Median Sternotomy Pain with a Pectoral Intercostal Fascial Block vs. Transversus Thoracic Plane Blocks
Speaker: Michael C. Grant, MD, MSE

1:45 PM – 2:00 PM Choose Wisely: Appropriate Chest Wall Regional Anesthesia for Different Minimally Invasive Approaches (Anterior vs. Lateral Thoracotomies)
Speaker: Marta Kelava, MD

2:00 PM – 2:15 PM All for One and One For All: The Erector Spinae Plane Block
Speaker: Jessica Brodt, MD

2:15 PM – 2:30 PM "Careful You Must Be": Do We Have Evidence for Regional Anesthesia in Cardiac Surgery?
Speaker: Tiffany Williams, MD, PhD

2:30 PM – 2:45 PM Change is Hard: Introducing Regional Techniques into your Division
Speaker: Lavinia Kolarczyk, MD, FASA

2:45 PM – 3:00 PM Question & Answer

1:30 PM – 3:00 PM PT **COVID and Pandemics: What Mark Do They Leave on Cardiothoracic Surgery?**

Primo B

Moderator: Sharon McCartney, MD, FASE

Virtual Moderator: Stephanie Ibekwe, MD, MPH, MS

1:30 PM – 1:55 PM A Systemic Problem: What Have We Learned About COVID-19?
Speaker: Elmar Neethling, MBChB, FCA, FRCPC, MMED, LMCC

1:55 PM – 2:20 PM It's Not Just Pulmonary: Perioperative Planning and Expectations for (Cardiothoracic) Surgery
Speaker: Shahzad Shaefi, MD, MPH

2:20 PM – 2:45 PM The Global Impact: Where Do We Go From Here?
Speaker: Hilary Grocott, MD, FRCPC, FASE

2:45 PM – 3:00 PM Question & Answer

1:30 PM – 3:00 PM PT **TAS Let Me Tell You What is New in Thoracic Anesthesia**

Primo A

Moderator: Alessia Pedoto, MD, FASA

Virtual Moderator: Nadia B. Hensley, MD

1:30 PM – 1:45 PM An Update on Airway Management in the Presence of a Mediastinal Mass
Speaker: Randal Blank, MD, PhD

- 1:45 PM – 2:00 PM Airway Emergencies and the Role of ECMO to the Rescue
Speaker: Jacob Gutsche, MD
- 2:00 PM – 2:15 PM Lung Isolation in the Difficult Airway
Speaker: Wanda M. Popescu, MD
- 2:15 PM – 2:30 PM Atrial Fibrillation After Thoracic Surgery - Prevention or Treatment?
Speaker: Alessia Pedoto, MD, FASA
- 2:30 PM – 3:00 PM Question and Answer

2:30 PM – 5:30 PM PT

Pasadena / Sierra / Ventura / Renaissance Hotel

Workshop #6: Advanced TEE Workshop

Moderators: Adam A. Dalia, MD, MBA, FASE and Kelly Ural, MD, FASA

- 2:30 PM – 2:35 PM Welcome
Speakers: Adam A. Dalia, MD, MBA, FASE and Kelly Ural, MD, FASA
- 2:35 PM – 3:05 PM Application of Advanced TEE – Case-Based Discussion
Speaker: Andrej Alfirevic, MD
- 3:05 PM – 3:15 PM Break
- 3:15 PM – 5:30 PM **Station 1A/B:**
1A. 3D Mitral Valve Measurements
Speaker: Stanton K. Shernan, MD, FASE, FAHA

1B. 3D Mitral Valve Measurements
Speaker: Douglas C. Shook, MD, FASE
- Station 2A/B:**
2A. Right Ventricular Quantification
Speaker: Feroze Mahmood, MD, FASE

2B. Right Ventricular Quantification
Speaker: Alina Nicoara, MD, FASE
- Station 3A/B:**
3A. Cardiac Deformation
Speaker: Kathirvel Subramanian, MD, MPH, FASE

3B. Cardiac Deformation
Speaker: Andra E. Duncan, MD, MS, FASE
- Station 4A/B:**
4A. 3D Aortic Valve Assessment
Speaker: Nikolaos Skubas, MD, FASE, FACC, DSc

4B. 3D Aortic Valve Assessment
Speaker: Sharon McCartney, MD, FASE

3:00 PM – 5:30 PM PT

Primo C

Best of Meeting & Early Career Investigator Award

Moderators: Mary Beth Brady, MD, FASE, Jochen Muehlschlegel, MD, MMSC, MBA, FAHA, FASA and Karsten Bartels, MD, PhD, MBA

3:00 PM – 3:30 PM PT

Oasis 2

Coffee Break with Exhibitors

SCA ANNUAL MEETING AGENDA

3:00 PM – 5:30 PM PT

Primo B

Super Echo

Moderators: Candice Montzingo, MD, FASE and Stephanie Ibekwe, MD, MPH, MS

3:30 PM – 5:30 PM PT

Oasis 1

Valves, Measures and Worries: The Past, Present and Future

Moderator: James Abernathy III, MD, MPH, FAHA, FASE

Virtual Moderator: Emily Methangkool, MD, MPH

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| 3:30 PM – 3:55 PM | 2020 AHA/ACC Guidelines on Valvular Heart Disease Speaker: Annemarie Thompson, MD |
| 3:55 PM – 4:20 PM | Advanced Transcatheter Therapies for Valvular Heart Disease Speaker: G. Burkhard Mackensen, MD, PhD, FASE |
| 4:20 PM – 4:45 PM | CMS, the Cardiac Anesthesiologist, and the Cardiac Surgeon. What Measures Matter? Speaker: Amanda J. Rhee, MD, MS |
| 4:45 PM – 5:10 PM | Teamwork and Team Performance, What Do We Know? Speaker: Sarah Parker, PhD |
| 5:10 PM – 5:30 PM | Question & Answer |

3:30 PM – 5:30 PM PT

Primo A

What's New in Patient Blood Management Strategies for 2022? New Guidelines, New Hemoglobin Triggers, What Else Should I Know for My Cardiac Surgical Patient?

Moderator: Nadia B. Hensley, MD

Virtual Moderator: Raghavendra Govinda, MBBS, MD



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| 3:30 PM – 3:55 PM | SCA/STS Blood Conservation Guidelines 2021 (last edition 2011) – 10 years Have Passed! What's New?" Speaker: Linda Shore-Lesserson, MD, FAHA, FASE |
| 3:55 PM – 4:20 PM | Patient Blood Management Practices by Cardiac Anesthesiologists – Affects Seen Hospital Wide or Only in Our Operating Rooms? Speaker: Michael P. Eaton, MD |
| 4:20 PM – 4:45 PM | TRICS III Largest Multicenter Trial! What we Know Now and How to Plan for TRICS IV Speaker: David Mazer, MD |
| 4:45 PM – 5:30 PM | Question & Answer |

5:30 PM – 6:30 PM PT

Oasis 1

Adult Cardiac Anesthesia Certification – What it Is and What it Means to You

Moderators: Andrew D. Shaw, MB, FRCA, FRCPC, FFICM and Mary Beth Brady, MD, FASE

Panelists: Christopher Troianos, MD, FASE, FASA, Stanton K. Shernan, MD, FASE, FAHA, Abimbola Faloye, MD, FASE, FASA and Daryl A. Oakes, MD

6:30 PM – 7:30 PM PT

Oasis 2

Networking Reception in the Exhibit Hall

MONDAY, MAY 16, 2022

7:00 AM – 8:00 AM PT

Mesquite C-H

Problem-Based Learning Discussions (#13 - 18)

PBLD #13: Primary Graft Dysfunction After Heart Transplantation: What Do We Do Now?

Moderators: Sreekanth Cheruku, MD, MPH, FASE and Sharon McCartney, MD, FASE

PBLD #14: Cerebral Protection in Cardiac Surgery – Pitfalls and Plans

Moderators: Choy Lewis, MD and Charles W. Hogue, MD

PBLD #15: Tricks, Tips, Troubleshooting – Transcatheter Edge to Edge Repair of Mitral Valve

Moderators: Nelson Thaemert, MD and Pingping Song, MD, MS

PBLD #16: Perfusion Catastrophes – How to Avoid, How to Handle

Moderators: Vidya Rao, MD, MBA and Tjorvi E. Perry, MD, MMS



PBLD #17: Adult Congenital Heart Disease and Non-Cardiac Surgery

Moderators: Austin Adams, MD and Gregory M. Janelle, MD, FASE, FASA

PBLD #18: Moral Distress in Physicians: Ethical Framework and Practical Solutions

Moderators: Elvera Baron, MD and Charles A. Napolitano, MD, PhD



8:00 AM – 10:00 AM PT

Oasis 1

Mitral Regurgitation: Who, What, When, Where and Why?

Moderator: Tara Brakke, MD, FASE

Virtual Moderator: James Abernathy III, MD, MPH, FAHA, FASE

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|--------------------|--|
| 8:00 AM – 8:25 AM | WHAT is Going On with this Valve? Etiology of Mitral Regurgitation Speaker: Abimbola Faloye, MD, FASE, FASA |
| 8:25 AM – 8:50 AM | WHEN Do We Intervene? Review the Guidelines for Timing of Intervention Speaker: Daryl A. Oakes, MD |
| 8:50 AM – 9:15 AM | HOW Do We Evaluate? Echo Assessment, Surgical Communication, and Imaging the Repair Speaker: Nicholas W. Markin, MD, FASE |
| 9:15 AM – 9:40 AM | WHO and WHERE? Percutaneous Interventions vs. Surgical Options Speaker: G. Burkhard Mackensen, MD, PhD, FASE |
| 9:40 AM – 10:00 AM | Question & Answer |

10:00 AM – 10:30 AM PT

Oasis 2

Coffee Break with Exhibitors

10:30 AM – 11:00 AM PT

Oasis 1

ASA Update

Dr. Randall M. Clark, MD, FASE – ASA President

11:00 AM – 12:00 PM PT

Oasis 1

Keynote Lecture

Moderator: Andrew D. Shaw, MB, FRCA, FRCPC, FFICM

Virtual Moderator: Sasha K. Shillcutt, MD, MS, FASE

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|---------------------|---|
| 11:00 AM – 11:45 AM | Developing Physician Leaders Brian Bolwell, MD, FACP |
| 11:45 AM – 12:00 PM | Question & Answer |

SCA ANNUAL MEETING AGENDA

12:00 PM – 12:30 PM PT

Business Meeting & Awards

Oasis 1

12:30 PM – 1:30 PM PT

Lunch with Exhibitors

Oasis 2

12:30 PM – 1:30 PM PT

Scientific Poster Session

Primo D

1:30 PM – 3:00 PM PT

EACTAIC - Hot Topics for Mechanical Circulatory Assist Devices and Transplantation

Primo A

Moderator: Gianluca Paternoster, PhD

Virtual Moderator: Alessia Pedoto, MD, FASA

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|-------------------|--|
| 1:30 PM – 1:45 PM | Frailty in Transplantation Surgery. How Far Can We Go? <i>Speaker: Vera Von Dossow, MD</i> |
| 1:45 PM – 2:00 PM | Does the Use of Xvivo Organ Perfusion in Transplantation Change the Landscape? <i>Speaker: Eric De Waal, MD, PhD</i> |
| 2:00 PM – 2:15 PM | Impact of Molecular Inflammatory Mechanisms on Early Post LVAD Right Ventricular Failure, Kidney Failure and Vasoplegia After LVAD Implantation <i>Speaker: Eric De Waal, MD, PhD</i> |
| 2:15 PM – 2:30 PM | Current Status of Inhaled Pulmonary Vasodilators in the Peri-operative Management of Pulmonary Hypertension <i>Speaker: Gianluca Paternoster, PhD</i> |
| 2:30 PM – 3:00 PM | Question & Answer |

1:30 PM – 3:00 PM PT

I Need Cardiac Anesthesia in Labor and Delivery – Stat

Primo B

Moderator: Jacques Neelankavil, MD

Virtual Moderator: Jennifer Hargrave, DO

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|-------------------|--|
| 1:30 PM – 1:45 PM | Cardiac Disease and Pregnancy – Case-Based Presentation <i>Speaker: Kelly Ural, MD, FASA</i> |
| 1:45 PM – 2:00 PM | Health Care Disparities and Cardiac Disease in Parturients <i>Speaker: Marie Louise Meng, MD</i> |
| 2:00 PM – 2:15 PM | PoCUS for Labor and Delivery <i>Speaker: Tara Brakke, MD, FASE</i> |
| 2:15 PM – 2:30 PM | Mechanical Circulatory Support for Parturients <i>Speaker: Marisa Hernandez Morgan, MA, MD, MPP</i> |
| 2:30 PM – 3:00 PM | Question & Answer |

1:30 PM – 3:00 PM PT

Adventures in Structural Heart Inventions

Oasis 1

Moderator: Jenny Kwak, MD, FASE, FASA

Virtual Moderator: Stephanie Ibekwe, MD, MPH, MS

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|-------------------|--|
| 1:30 PM – 1:45 PM | The Heart Team: The Concept and Approach <i>Speaker: G. Burkhard Mackensen, MD, PhD, FASE</i> |
| 1:45 PM – 2:00 PM | MitraClips: The Hole-in-One vs. The Double Bogey <i>Speaker: Charles Nyman, MBBCh</i> |

- 2:00 PM – 2:15 PM TMVR: Is it Coming?
Speaker: Candice Morrissey, MD, MSPH, FASE
- 2:15 PM – 2:30 PM TTVR: The Next Step?
Speaker: Nelson Thaemert, MD
- 2:30 PM – 3:00 PM Question & Answer

3:00 PM – 3:30 PM PT
Coffee Break with Exhibitors

Oasis 2

3:30 PM – 5:30 PM PT
Best of Meeting Session

Primo C

Moderator: Mary Beth Brady, MD, FASE, Jochen Muehlschlegel, MD, MMSC, MBA, FAHA, FASA, and Karsten Bartels, MD, PhD, MBA

3:30 PM – 5:00 PM PT
Let's Not Forget About Right-Sided Valves – Tricuspid Valve Therapies and Controversies

Primo B

Moderator: Stephanie Ibekwe, MD, MPH, MS

Virtual Moderator: Candice Montzingo, MD, FASE

- 3:30 PM – 3:45 PM To Ring or Not to Ring – Tricuspid Valve Recommendations and Realities During Mitral Valve Surgery
Speaker: Jeffrey C. Songster, MD
- 3:45 PM – 4:00 PM It's Not Just for Aortic and Mitral Valve! Transcatheter Tricuspid Valve Therapies
Speaker: Abimbola Faloye, MD, FASE, FASA
- 4:00 PM – 4:15 PM LVADs and Tricuspid Valve Regurgitation: Does TR Make the RV Vulnerable?
Speaker: Candice Montzingo, MD, FASE
- 4:15 PM – 4:30 PM Cardiac Implantable Electronic Devices and Their Impact on Tricuspid Valves
Speaker: Annemarie Thompson, MD
- 2:30 PM – 3:00 PM Question & Answer

3:30 PM – 5:00 PM PT
Gas or Brake? Driving Surgical Direction When Intraoperative Echocardiographical Roadblocks Appear

Oasis 1

Moderator: Jennifer Hargrave, DO

Virtual Moderator: Adam A. Dalia, MD, MBA, FASE



- 3:30 PM – 3:40 PM Unexpected Low Flow/Low Gradient Aortic Stenosis
Speaker: Himani Bhatt, MD
- 3:40 PM – 3:50 PM Moderate Mitral Regurgitation for a CABG Patient
Speaker: Sharon McCartney, MD, FASE
- 3:50 PM – 4:00 PM Moderate Aortic Stenosis for a CABG Patient
Speaker: Kimberly Howard-Quijano, MD, MS, FASE
- 4:00 PM – 4:10 PM Incidental Intraventricular Septal Hypertrophy During a Mitral Valve Repair
Speaker: Andrej Alfrevic, MD
- 4:10 PM – 4:20 PM Dilated Tricuspid Annulus Without Regurgitation During Mitral Valve Repair
Speaker: Alina Nicoara, MD, FASE
- 4:20 PM – 4:30 PM PFO During an Aortic Valve Replacement
Speaker: Richard Sheu, MD, FASE

SCA ANNUAL MEETING AGENDA

4:30 PM – 5:00 PM Question & Answer

3:30 PM – 5:00 PM PT

Primo A

"RIFLE"-ing through AKI

Moderator: Jenny Kwak, MD, FASE, FASA

Virtual Moderator: Jiapeng Huang, MD, PhD, FASE, FASA

- 3:30 PM – 3:45 PM AKI: How Bad is It?
Speaker: Natalie Silverton, MD, FRPCP, FASE
- 3:45 PM – 4:00 PM Novel Biomarkers from A to Z
Speaker: Mark Stafford-Smith, MD
- 4:00 PM – 4:15 PM Protection and Prevention: Bundles of Care?
Speaker: David McIlroy, MBBS, MD, MClinEpi, FANZCA
- 4:15 PM – 4:30 PM What's New on the AKI Horizon?
Speaker: Amanda A. Fox, MD, MPH
- 4:30 PM – 5:00 PM Question & Answer

5:00 PM – 6:00 PM PT

Oasis 1

Echo Jeopardy

Moderator: Andrew Maslow, MD, Feroze Mahmood, MD, FASE, and Peter Panzica, MD

TUESDAY, MAY 17, 2022

7:00 AM – 8:00 AM PT

Mesquite C-H

Problem-Based Learning Discussions (#19 - 24)

- PBLD #19:** Severe Right Heart Failure After CPB; Everyone's Nightmare
Moderators: John G. Augoustides, MD, FASE, FAHA and Marisa Hernandez Morgan, MA, MD, MPP
- PBLD #20:** Descending Thoracic Aortic Repair – Spinal Cord Protection Strategies
Moderators: Harendra Arora, MD, MBA, FASA and Wanda M. Popescu, MD
- PBLD #21:** High Risk TAVR – What Could Go Wrong?
Moderators: Choy Lewis, MD and Eric W. Nelson, DO, FASA
- PBLD #22:** Anesthetic Challenges of Bilateral Lung Transplantation for Patients After COVID-19 Infection
Moderators: Yong Peng, MD, PhD, FASE, FASA and Michael Franklin, DO
- PBLD #23:** LVAD Implantation: Perioperative Management and Troubleshooting Strategies
Moderators: Kiran Belani, MD, FASE and Vidya Rao, MD, MBA
- PBLD #24:** How to Conduct an STS/SCA Database Study Using the STS Research Center – Participant User File (Puf) Research Program
Moderators: Nirvik Pal, MBBS, MD and Miklos D. Kertai, MD, PhD



8:00 AM – 10:00 AM PT

Oasis 1

Interventional Echocardiography for Structural Heart What to Say When All Eyes Are On You!

Moderator: Mary Beth, Brady, MD, FASE

Virtual Moderator: Jenny Kwak, MD, FASE, FASA

- 8:00 AM – 8:25 AM Interventional Echocardiography: Anatomy Plus Communication Equals Success
Speaker: Stanton K. Shernan, MD, FASE, FAHA

- 8:25 AM – 8:50 AM Percutaneous Mitral Procedures an Echo Steps from Start to Finish
Speaker: Mary Beth Brady, MD, FASE
- 8:50 AM – 9:15 AM Left Atrial Appendage Devices - Echo Tricks and Tips
Speaker: Ravi V. Joshi, MD, FASE
- 9:15 AM – 9:40 AM Interventional echo cases: the Dos, the Donts and the Disasters
Speaker: G. Burkhard Mackensen, MD, FASE
- 9:40 AM – 10:00 AM Question & Answer

10:00 AM – 10:30 AM PT
Coffee Break with Exhibitors

Oasis 2

10:30 AM – 12:00 PM PT
Equity, Diversity, and Inclusion: How Can We Improve in Cardiac Anesthesiology?

Primo B

Moderator: Emily Methangkool, MD, MPH

Virtual Moderator: Michele Sumler, MD, MA, FASE



- 10:30 AM – 10:55 AM Improving the Pipeline: How to Get Medical Students and Residents Interested in Cardiothoracic Anesthesiology
Speaker: Daryl A. Oakes, MD
- 10:55 AM – 11:20 AM How to Create and Maintain an Equity, Diversity, and Inclusion Committee at Your Institution
Speaker: Michele Sumler, MD, MA, FASE
- 11:20 AM – 11:45 AM Mentorship and Sponsorship and Why It Matters for Diversity and Inclusion
Speaker: Maya Jalbout Hastie, MD, EdD
- 11:45 AM – 12:00 PM Question & Answer

10:30 AM – 12:00 PM PT
Artificial Intelligence and Machine Learning for Cardiac Anesthesiologists

Primo A

Moderator: Jiapeng Huang, MD, PhD, FASE, FASA

Virtual Moderator: Karsten Bartels, MD, PhD, MBA



- 10:30 AM – 10:45 AM Overview of Artificial Intelligence in Perioperative Medicine
Speaker: Maxime Cannesson, MD, PhD
- 10:45 AM – 11:00 AM Artificial Intelligence in Echocardiography
Speaker: Kirsten Steffner, MD
- 11:00 AM – 11:15 AM Artificial Intelligence in Cardiac Surgery Outcomes
Speaker: Richard Thalappillil, MD
- 11:15 AM – 11:30 AM Artificial Intelligence Examples in Cardiovascular Anesthesia
Speaker: Michael R. Mathis, MD
- 11:30 AM – 11:45 AM Ethics of Artificial Intelligence
Speaker: Natalia Ivascu, MD
- 11:45 AM – 12:00 PM Question & Answer

SCA ANNUAL MEETING AGENDA

10:30 AM – 12:00 PM PT

Oasis 1

Snap Chat with the Experts: Short and Sweet but Packed with Information!

Moderator: Raghavendra Govinda, MBBS, MD

Virtual Moderator: Nadia B. Hensley, MD

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| 10:30 AM – 10:45 AM | Aortic Valve Repair – Current State of the Art <i>Speaker: John G. Augoustides, MD, FASE, FAHA</i> |
| 10:45 AM – 11:00 AM | Spinal Cord Protection for TAAA Procedures – Hear it from the Expert <i>Speaker: Massimiliano Meineri, MD, FASE</i> |
| 11:00 AM – 11:15 AM | Arrest in the ICU? No Need to Stress, We Have You Covered <i>Speaker: Megan P. Kostibas, MD</i> |
| 11:15 AM – 11:30 AM | Strain Echocardiography – Beginner's Guide <i>Speaker: Kimberly Howard-Quijano, MD, MS, FASE</i> |
| 11:30 AM – 12:00 PM | Question & Answer |

12:00 PM – 1:00 PM PT

Oasis 2

Lunch in the Exhibit Hall

12:00 PM – 1:00 PM PT

Primo D

Scientific Poster Session 3

1:00 PM – 2:00 PM PT

Primo B

Clinical Research - How to Get Started

Moderator: Moderator: Karsten Bartels, MD, PhD, MBA

Virtual Moderator: Mihai V. Podgoreanu, MD, FASE

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|-------------------|--|
| 1:00 PM – 1:15 PM | Basic Infrastructure for Clinical Research –You Can Do This! <i>Speaker: Karsten Bartels, MD, PhD, MBA</i> |
| 1:15 PM – 1:30 PM | How To Publish Your Research – Insight into Abstracts, Papers, Mentors, and Reviewers <i>Speaker: Louise Sun, MD, SM, FRCPC, FAHA</i> |
| 1:30 PM – 1:45 PM | Research Funding – How to Take the Next Step <i>Speaker: Anne Cherry, MD, FASE</i> |
| 1:45 PM – 2:00 PM | Question & Answer |

1:00 PM – 2:00 PM PT

Mesquite C-H

Problem-Based Learning Discussions (#25 - 29)

PBLD #25: Thoracic Anesthesia Misadventures

Moderators: Megan P. Kostibas, MD and Diana Anca, MD

PBLD #26: Hemostasis After Cardiovascular Surgery: When Hope is Not a Strategy

Moderators: Kamrouz Ghadimi, MD and Prakash A. Patel, MD, FASE

PBLD #27: Perioperative Management of a Patient on Venoarterial Extracorporeal Membrane Oxygenation

Moderators: Meena Bhatia, MD and Priya Kumar, MD

PBLD #28: Optimizing and Managing an Obstetric Patient for Non-Cardiac Surgery with Acute Right Heart Failure

Moderators: Raja Rama Mohana R. Palvadi, MD and Gavin Best, MD

PBLD #29: Fontan Physiology in the Cath Lab – Failing or Functional?

Moderators: Elena Zupfer, MD and Martina Richtsfeld, MD

1:00 PM – 2:00 PM PT

Oasis 1

Fibrinogen Concentrate vs. Cryoprecipitate: Is the US Behind the Times or Are We Following the Evidence?

Moderator: Michael K. Essandoh, MD, FASE

Virtual Moderator: Nadia B. Hensley, MD

- 1:00 PM – 1:20 PM Pro-Con Debate for Fibrinogen Concentrate vs. Cryoprecipitate
Speaker: Nadia B. Hensley, MD
- 1:20 PM – 1:40 PM Con Against FC and in Favor of Cryoprecipitate
Speaker: Michael A. Mazzeffi, MD, MPH
- 1:40 PM – 2:00 PM Question & Answer

2:00 PM – 5:00 PM PT

Pasadena / Sierra / Ventura / Renaissance Hotel

Workshop #7 3D TEE Workshop

Moderators: Michele Sumler, MD, MA, FASE and Jiapeng Huang, MD, PhD, FASE, FASA

- 2:00 PM – 2:15 PM 3D: Modalities of Acquisition, Advantages, and Disadvantages
Speaker: Alina Nicoara, MD, FASE
- 2:15 PM – 2:30 PM How Do I Incorporate 3D for Percutaneous Interventions?
Speaker: Charles Nyman, MBBCh
- 2:30 PM – 2:45 PM How Do I Incorporate 3D in the Operating Room?
Speaker: Nikolaos Skubas, MD, FASE, FACC, DSc
- 2:45 PM – 5:00 PM **Workshop Station #1:** 3D Left and Right Ventricles
Speaker: Anne Cherry, MD, FASE
- Workshop Station #2:** 3D Mitral Valve
Speaker: Reed Harvey, MD
- Workshop Station #3:** 3D Aortic Valve and Tricuspid Valve
Speaker: Kori Scott Ford, MD, FASA
- Workshop Station #4:** 3D Left and Right Ventricles
Speaker: Natalie Silverton, MD, FRPCP, FASE
- Workshop Station #5:** 3D Mitral Valve
Speaker: Laeben Lester, MD
- Workshop Station #6:** 3D Aortic Valve and Tricuspid Valve
Speaker: Nelson Thaemert, MD

2:00 PM – 3:30 PM PT

Oasis 1

Society for the Advancement of Transplant Anesthesia Session

Moderator: Megan Chacon, MD

Virtual Moderator: Michael K. Essandoh, MD, FASE

- 2:00 PM – 2:15 PM Donation After Circulatory Death – Techniques For Transplanting the Heart
Speaker: Megan Chacon, MD
- 2:15 PM – 2:30 PM Considerations During Lung and Liver Transplantation In Donation After Circulatory Death
Speaker: Nicholas W. Markin, MD, FASE
- 2:30 PM – 2:45 PM Echocardiography In Lung Transplantation – What Evidence Supports Its Routine Use?
Speaker: Michael K. Essandoh, MD, FASE

SCA ANNUAL MEETING AGENDA

2:45 PM – 3:00 PM Mechanical Circulatory Support In Lung Transplantation – Options And Outcomes!
Speaker: Ratna Vadlamudi, MD, FASE

3:00 PM – 3:30 PM Question & Answer

2:00 PM – 3:30 PM PT

Cardiac Anesthesiologists Outside the Cardiac ORs

Moderator: Kelly Ural, MD, FASA

Virtual Moderator: Emily Methangkool, MD, MPH



Primo A

2:00 PM – 2:15 PM Sleep Apnea and Pulmonary Hypertension in Bariatric Surgery – How Much is Too Much?
Speaker: Logan Kosarek, MD

2:15 PM – 2:30 PM Intra-Operative Cardiac Arrest and Rescue TEE
Speaker: Adam A. Dalia, MD, MBA, FASE

2:30 PM – 2:45 PM MCS Patients Presenting for Non-Cardiac Surgery (IABP, ECMO, VAD, Etc..) to NORA
Speaker: Emily Methangkool, MD, MPH

2:45 PM – 3:00 PM Anesthesia in the Cathlab and EPlab – Lead Extractions, SubQ ICD, Leadless Speakers
Speaker: Matthew Vanneman, MD

3:00 PM – 3:30 PM Question & Answer

2:30 PM – 5:30 PM PT

Fellow and Resident TEE Session

Moderators: Tara Brakke, MD, FASE and Jacques Neelankavil, MD

Primo B

2:30 PM – 2:50 PM 3D TEE
Speaker: Ravi V. Joshi, MD, FASE

2:50 PM – 3:10 PM Artifacts
Speaker: Rebecca Aron, MD

3:10 PM – 3:30 PM ACHD
Speaker: Tiffany Williams, MD, PhD

3:30 PM – 3:50 PM Hemodynamics
Speaker: Megan P. Kostibas, MD

3:50 PM – 4:10 PM Prosthetic Valves
Speaker: Adam Dalia, MD, MBA, FASE

4:10 PM – 5:30 PM Question & Answer

3:30 PM – 4:00 PM PT

Coffee Break with Exhibitors

Oasis 2

4:00 PM – 5:30 PM PT

Patient Safety and Cardiac Surgery: What Can Be Improved?

Moderators: Emily Methangkool, MD, MPH

Virtual Moderator: James Abernathy III, MD, MPH, FAHA, FASE



Oasis 1

4:00 PM – 4:20 PM What Does Safety Culture Mean in Cardiac Surgery?
Speaker: Joyce Wahr, MD

4:20 PM – 4:40 PM Team Communication in Cardiac Surgery
Speaker: Aleem Siddique, MBBS, FACS, FACC

4:40 PM – 5:00 PM Adverse Event Mitigation in Cardiac Surgery
Speaker: James H. Abernathy III, MD, MPH, FAHA, FASE

5:00 PM – 5:30 PM Question & Answer

4:00 PM – 5:30 PM PT

Build to the Future: Investing in the Teachers of Today for the Best Cardiothoracic Anesthesiologists of Tomorrow

Primo A

Moderators: Jennifer Hargrave, DO

Virtual Moderator: Kelly Ural, MD, FASA

4:00 PM – 4:15 PM When the OR Becomes the Classroom: Practical Application of Adult Learning Theory During Intraoperative Interactions
Speaker: Michael Fabbro II, DO, MBA

4:15 PM – 4:30 PM Giving Impactful Residents and Fellows Feedback (Verbal and Written)
Speaker: Brandi Bottiger, MD

4:30 PM – 4:45 PM Fostering an Environment of Inclusion Within Your Department: How to Empower Faculty and Trainees
Speaker: Daryl A. Oakes, MD

4:45 PM – 5:00 PM The Age of Simulation: Integration of Simulation Into All Levels of CTA Education, Even When Resources are Limited
Speaker: Michele Sumler, MD, MA, FASE

5:00 PM – 5:15 PM Supporting Faculty Expectations for Academic Support with Clinical Care Demands: A Chairman's Perspective
Speaker: Christopher Troianos, MD, FASE, FASA

5:00 PM – 5:30 PM Question & Answer



SATURDAY, MAY 14, 2022

KIOSK 1 10:00 AM - 11:00 AM PT

Moderator: Chandrika Garner, MD

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| Poster 2 | Christina Garner, DO | Presentation and Management of Primary Pulmonary Spindle Cell Carcinoma: A Case Report |
| Poster 3 | Ryker Saunders, MD | Endoscopic Vein Harvest: Not A Time To Relax! |
| Poster 5 | Arianna Cook, MD, MPH | Postoperative Cardiac Tamponade After Left Ventricular Assist Device Placement: An Interesting Case |
| Poster 6 | Abdul Kader Tabbara, MD | Use of Deep Hypothermic Circulatory Arrest in a Patient Undergoing Left Ventricular Assist Device Placement and Ventricular Septal Defect Repair |
| Poster 7 | Brandon Duffin, MD | Isolated Posterior Esophageal Necrosis Following Ascending Aortic Hemiarch with Aortic Valve Replacement |
| Poster 8 | Nola Darden, DO | Coronary Artery Bypass Graft and Aortic Valve Replacement in a Patient with Achondroplasia |
| Poster 9 | Xi Emma Li, MD | The Anesthetic Management for LVAD Placement in a Patient with Mitochondrial Disease |

KIOSK 1 11:00 AM - 12:00 PM PT

Moderator: Sujatha Bhandary, MD

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| Poster 135 | Millica Bjelic, MD | Acute Right Coronary Obstruction: Aftermath of a Valve Deployment |
| Poster 136 | Lucas Skoda, DO | Transesophageal Echocardiography Utility In Guiding Allograft Selection During Normothermic Regional Perfusion For Donation After Cardiac Death Heart Donation |
| Poster 137 | Lauren Barta, MD | Severe Mitral Regurgitation: A Rare Complication of Surgical Aortic Valve Replacement |
| Poster 138 | Eva Chen, MD | Novel Anesthetic Approach To Successful Open Repair Of Large Ascending Aortic Pseudoaneurysm |
| Poster 139 | Rachel Wick, MD | Root Of The Problem: A Case Of Valve-In-Valve Transcatheter Aortic Valve Replacement and Aortic Root Abscess |
| Poster 141 | Tracy Ro, MD | Endovascular Approach In a High Risk Recurrent Aortic Coarctation |
| Poster 248 | Tracy Ro, MD | Staple Device-induced Aortic Injury During Video Assisted Thoracic Surgery for Lobectomy |

KIOSK 1 5:00 PM - 6:00 PM PT

Moderator: James Abernathy III, MD, MPH, FAHA, FASE

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| Poster 17 | Kelley Gonzalvo, MD | Impending Disaster with Inferior Vena Cava Tumor Embolus from Renal Cell Carcinoma |
| Poster 103 | Varun Potluri, MD | Tibial Intramedullary Nailing in Parturient with Viable Fetus with Right Heart Failure Due to Fat Emboli |
| Poster 270 | Jared Bobulski, MD | Anomalous Course of the Superior Thyroid Artery Leading to a Complication with Right Internal Jugular Central Venous Line Placement |
| Poster 271 | Ahmad Parniani, DO | Acute Type-1 Aortic Dissection in a Jehovah's Witness |
| Poster 272 | Brandon Duffin, DO | Gerbode Defect from Aortic Root Abscess after Bioprosthetic Aortic Valve Replacement |
| Poster 273 | Douglas Rooke, MD | Refractory Torsades De Pointes Post Mitral Valve Replacement |

SATURDAY, MAY 14, 2022

KIOSK 2 10:00 AM - 11:00 AM PT

Moderator: Mariya Geube, MD

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| Poster 10 | Kasim Ramo, MD, PhD | Multimodal Imaging Techniques Facilitate Diagnosis and Treatment of Pulmonary Vein Stenosis Following Radiofrequency Ablation of Atrial Fibrillation Case Report |
| Poster 11 | Amy Yan, MD | Connective Tissue Disorder in a Postpartum Patient Presenting as Dual Papillary Muscle Rupture |
| Poster 12 | Jesse Ream, MD | Combined Heart-Lung Transplant on a Patient with COVID-19 |
| Poster 13 | Dena Danji, MD | Intraoperative Extubation Considerations for a Myasthenia Gravis Patient Undergoing Minimally Invasive Cardiac Surgery |
| Poster 14 | Peyman Farhangi Oskuei, MD | Lung Transplantation and Hermansky-Pudlak Syndrome |
| Poster 15 | Megan McClain, MD | A Series of Unfortunate Events - Complications Related to TAVR |
| Poster 16 | Thida Ong, MD | Levocardic Heart in a Dextrocardic Chest |

KIOSK 2 11:00 AM - 12:00 PM PT

Moderator: Seema Deshpande, MD

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| Poster 142 | Elana Folbe, MD | IABP Induced Iatrogenic Aortic Arch Perforation Post LVAD Insertion |
| Poster 143 | Jahnavi Trivedi, MD | Pre-Bypass Hypoxemia During Acute Type-A Dissection Repair |
| Poster 144 | William Newmarch, MD | Too Hot to Handle: Malignant Hyperthermia in the Cardiac Operating Room |
| Poster 145 | Genevieve Manahan, MD | Recurrent Intimal Pulmonary Artery Sarcoma in a Patient with Prior Pneumonectomy |
| Poster 146 | Collin Conrad, MD | Prosthetic Valve Embolization During Transcatheter Aortic Valve Replacement for Severe Aortic Insufficiency Following Endovascular Total Aortic Arch Repair |
| Poster 147 | Ellen Lee, DO | Retrograde Aortic Dissection After Open Thoracoabdominal Aneurysm Repair |
| Poster 148 | Aldis Sittumens, MD | Tricuspid Valve in Valve in Patients with Previous Tricuspid Valve Replacement |

KIOSK 2 5:00 PM - 6:00 PM PT

Moderator: James Anton, MD

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| Poster 274 | Lerin Rutherford, MD | High-Pressure Excursion: An Uncommon Cause of Failure of Cardiopulmonary Bypass |
| Poster 275 | Miles Sanderson, DO | When Nothing Seems to Work - Refractory Vasoplegia After Re-Do Mechanical Aortic Valve Replacement in a Patient with End Stage Liver Disease and Pulmonary Hypertension |
| Poster 276 | Steven Tsang, MD, PhD | A Minimally Invasive, Backwards HM3 |
| Poster 277 | Reney Henderson, MD | Coping with the Crash: Intraoperative Management of Ventricular Wall Rupture During Coronary Artery Bypass Graft Surgery |
| Poster 278 | Jungbin Choi, MD | Intraoperative Iatrogenic Aortic Dissection During HeartMate 3™ LVAD Replacement |
| Poster 279 | Shan He, MD | Left Atrial Appendage Inversion During Cardiopulmonary Bypass for Stenotic Bicuspid Aortic Valve Replacement |
| Poster 280 | Daniel Fullin, MD | Quadruple Valve Surgery in a Patient 23 Years After a Ross Procedure for Bicuspid Aortic Valve |

SATURDAY, MAY 14, 2022

KIOSK 3 10:00 AM - 11:00 AM PT

Moderator: Reed Harvey, MD

| | | |
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| Poster 18 | Peter Ochieng, MD | Right Ventricle Perforation During Pericardiocentesis |
| Poster 20 | Travis Barker, DO | Hybrid Aortic Debranching and Thoracic Endovascular Aortic Repair in the Setting of Previous Mechanical Aortic Valve Requiring Emergent Cardiopulmonary Bypass After Rare Complication |
| Poster 21 | Nicole Massucci, MD | Re-Do Lung Transplant Versus Lobectomy for Donor Lung Aberrant Pulmonary Venous Return |
| Poster 22 | Joseph Babcock, MD, JD | Acquired Iatrogenic Gerbode Defect After Re-Do Sternotomy/MVR |
| Poster 23 | Reed Kamyszek, MD | Malignant Hyperthermia During Mitral Valve Repair on Cardiopulmonary Bypass |
| Poster 24 | Rebecca Cross, MD | Identification of Pulmonary Vein Stenosis In a Patient With Congenital Heart Disease Using Intraoperative TEE |
| Poster 25 | Alexander Shulman, MD | Management of Right Heart Failure Secondary to Pulmonary Embolism with Concurrent Intracardiac Thrombosis Extending Through Patent Foramen Ovale |

KIOSK 3 11:00 AM - 12:00 PM PT

Moderator: Benu Makkad, MD

| | | |
|------------|-----------------------------|---|
| Poster 149 | Teuta Marsic, MD | When You Only Have One Perfusing Lobe: Anesthetic Management of Complex Catheter Based Interventions for Pulmonary Vein Stenosis and Secondary Hemoptysis |
| Poster 150 | Katelyn Devine, MD | Transcatheter Tricuspid Valve Replacement: What Am I Looking At? |
| Poster 151 | Tierney Bennett, DO | Acute Coronary Syndrome During Cerebellar Mass Resection in a Patient with Undiagnosed Severe Coronary Artery Disease and Polycythemia |
| Poster 152 | Daniel Bral, MD | Stressed and Open Mitral Valve |
| Poster 153 | MaryJo Kramer, MD | Morbid Complications of Venous Stent Migration: Full Sternotomy, Cardiopulmonary Bypass, and Complex Tricuspid Valve Repair |
| Poster 154 | Christina Tull, MD | A Giant Left Atrial Myxoma Causing Mitral Inflow Obstruction and Pulmonary Hypertension |
| Poster 155 | Alexis Vangellow, DO | It Takes a Team: Peri-operative Planning for a Sickle Cell Patient with Rheumatic Heart Disease |

KIOSK 3 5:00 PM - 6:00 PM PT

Moderator: Rebecca Aron, MD

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| Poster 281 | Andrew Nguyen, MD | A Peculiar Presentation of a Bronchopleural Fistula: Airway Management and ECMO Considerations |
| Poster 282 | Peter Robbins, MD | When Shear Stress is Too Much: Severe Coagulopathy from Severe Aortic Stenosis |
| Poster 283 | Mary Przbysz, MD | Vascular Leiomyosarcoma Requiring Ex Vivo Liver Resection and Auto-transplantation |
| Poster 284 | Michael Massey, MD | Aortic Valve Replacement in an Adult Patient with Shone's Complex |
| Poster 285 | Riley Camp, MD | Transesophageal Echocardiography Guided Percutaneous Closure of Aorto-Right Ventricular Fistula Following Transcatheter Aortic Valve Replacement |
| Poster 286 | Victoria Liere, DO | Management of Acquired Factor X Deficiency in Major Cardiac Surgery |
| Poster 287 | Tarun Ahuja, DO, MPH | The Use of AngioVac in the Setting of Left-Sided Infective Endocarditis |

SATURDAY, MAY 14, 2022

KIOSK 4 10:00 AM - 11:00 AM PT

Moderator: Shanna Sykes-Hill, MD

| | | |
|-----------|-------------------------------|---|
| Poster 26 | Anja Miller, MD | Severe Pulmonary Hypertension and Pregnancy – A Medically Complex Case |
| Poster 27 | Li He, MD | Assessment and Treatment of Paravalvular Leak After Valve in Valve TAVR |
| Poster 28 | Nabil Thalji, MD, PhD | Pulmonary Artery Aneurysm in the Setting of Isolated Congenital Bicuspid Pulmonary Valve |
| Poster 29 | Samuel Detting, MD | A Rare Case of Salmonella Endocarditis in a Patient with Marfan Syndrome |
| Poster 31 | Osamudiamen Obanor, MD | A Case of the Infected, Reflected Heart |
| Poster 32 | Rizwan Nazarali, MD | Pediatric Atrial Myxoma resulting in a Mechanical Mitral Valve |
| Poster 71 | Nabil Thalji, MD, PhD | Catastrophic Disseminated Intravascular Coagulation on Cardiopulmonary Bypass during Orthotopic Heart Transplantation |

KIOSK 4 11:00 AM - 12:00 PM PT

Moderator: Prakash A. Patel, MD, FASE

| | | |
|------------|-------------------------------------|--|
| Poster 156 | Sujata Datta, MD | Concomitant Mitral Valve Disease in a Patient Undergoing Septal Myectomy for Hypertrophic Obstructive Cardiomyopathy |
| Poster 157 | Richard Tenure, MD | Ruptured Sinus of Valsalva Aneurysm in a Postpartum Patient |
| Poster 158 | Nabil Thalji, MD, PhD | Iatrogenic Left Atrial Dissection Following Cardiac Surgery |
| Poster 159 | Michael A. Mazzeffi, MD, MPH | Massive Pulmonary Embolism Causing Cardiogenic Shock After Coronary Artery Bypass Grafting and Mitral Valve Repair Surgery |
| Poster 160 | Andrew Greenwald, MD | Re-operative Tricuspid Valve Replacement in a Patient with Dextro-transposition of the Great Arteries |
| Poster 161 | Dominick Denisi, MD | Transcatheter Aortic Valve Repair for a Patient with an Aortic Root Abscess and Myelodysplastic Syndrome, Another Unique Use for Transcatheter Valve Replacement When Surgery is Not a Good Option |
| Poster 162 | Joseph Walpole, MD, PhD | Left Ventricular Outflow Tract Aneurysm in a Patient With Prior Bicuspid Replacement: A Rare and Dangerous Finding |

KIOSK 4 5:00 PM - 6:00 PM PT

Moderator: John G. Augoustides, MD, FASE, FAHA

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|------------|-------------------------------------|--|
| Poster 288 | Alex Wang, DO, MPH | The Challenges of Left Ventricular Assist Device Thrombosis Management In Patients On Extracorporeal Membrane Oxygenation: A Single Center Case Series |
| Poster 289 | Sachin Mehta, MD | Utility of Echocardiography in Extracorporeal Membrane Oxygenation and Lung Transplantation |
| Poster 290 | Eric Sweeney, MD | Vasospasm Induced STEMI Following Cardiopulmonary Bypass in Patient with Scleroderma |
| Poster 291 | Ada Nwozuzy, MD | Extracorporeal Membrane Oxygenation Cannulation Complicated by a Normal Variant: Chiari Network |
| Poster 292 | Zachary Drennen, DO | The Novel Use of AngioVac System for Aortic Valve Vegetation Debulking |
| Poster 293 | Abhishek Saluja, MBBS | Discovering Migration of Micra Pacemaker to the Left Ventricle upon Sternotomy |
| Poster 294 | Ankit Jain, MBBS, FASE, FASA | Sickle Cell Patient with More Than 90% Hbs Going for On-Pump Cardiac Surgery. Is It Safe to Proceed? |

SATURDAY, MAY 14, 2022

KIOSK 5 10:00 AM - 11:00 AM PT

Moderator: Yasdet Maldonado, MD, MMM, FASE

| | | |
|-----------|----------------------------|--|
| Poster 33 | Victoria Knott, DO | Reverse Coarctation? A Puzzling Case of Upper Extremity and Cerebral Hypotension |
| Poster 34 | Brandon Alford, MD | Cardiac Arrest Following Cesarean Delivery |
| Poster 35 | Brendan Wood, MD | A Case of Non-Coronary Sinus of Valsalva Aneurysm Rupture Into Right Atrium |
| Poster 36 | Michael Beshara, MD | Malpositioned Aortic Cannula Causes Flash Pulmonary Edema After Cross Clamp Placement During Surgical Repair of an Ascending Aortic Aneurysm |
| Poster 37 | Sarah Foster, MD | Damaged Goods: A Case of Heart Transplantation Gone Awry |
| Poster 38 | Wai Lok Tsang, MD | Anesthetic Management of a Patient with Metastatic Prostatic Intra-Cardiac Tumor |
| Poster 39 | Daniel Rubinger, MD | It Extends Where?! The Tumor Thrombus that Tickled the Tricuspid |

KIOSK 5 11:00 AM - 12:00 PM PT

Moderator: Yong Peng, MD, PhD, FASE, FASA

| | | |
|------------|------------------------------|--|
| Poster 163 | Joyce Hsiao, DO | Management of Intracranial Hemorrhage in Jehovah's Witness with LVAD and Worsening Neurological Exam |
| Poster 164 | Crystal Rui, MD | Aortic Thrombus Migration During Mechanical Circulatory Support Reconfiguration: The Importance of Real-Time Transesophageal Echocardiography |
| Poster 165 | Joyce Hsiao, DO | Management of a "Difficult Airway" in a Patient with Dynamic Airway Obstruction After Aortic Dissection Repair Complicated by Pseudoaneurysm |
| Poster 166 | Daeun Yoon, MD | Transvenous Lead-induced Tricuspid Regurgitation: Management with Transcatheter Tricuspid Valve Replacement and Lead Entrapment |
| Poster 167 | Zachary Fleissner, DO | That's No Moon: Management of a Giant Pericardial Cyst With Mitral and Tricuspid Involvement |
| Poster 168 | Gregory Kirby, MD | The Far-Reaching Effects of LVAD Outflow to the External Iliac Artery |
| Poster 169 | Markus Kowalsky, MD | Contralateral Pulmonary Artery and Pulmonary Vein Stenoses After Bilateral Orthotopic Lung Transplant: Do These Anastomoses Need to Be Revised at Time of Recognition? |

KIOSK 5 5:00 PM - 6:00 PM PT

Moderator: Meena Bhatia, MD

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|------------|----------------------------------|---|
| Poster 295 | David Convissar, MD | When Amplatzer Embolize: A Case of Loey-Dietz and an Aorto-Pulmonary Fistula Gone Wrong |
| Poster 297 | Anwar Akhras, MD | Transcatheter Tricuspid Valve Replacement for Torrential Tricuspid Regurgitation with Severe Idiopathic Pulmonary Arterial Hypertension |
| Poster 298 | Oscar Tovar-Camargo, MD | Aberrant Secondary Chordae Plays a Role in the Outflow Tract Obstruction |
| Poster 299 | Wenceslas Krakowiecki, MD | Double Jeopardy: Concurrent Ventricular Septal & Left Ventricular Free Wall Rupture Following STEMI |
| Poster 300 | Michael Funaro, MD | "The Lungs Won't Deflate!" Refractory Bronchospasm in a Patient Undergoing Aortic Valve Replacement and Type a Aortic Dissection Repair |
| Poster 301 | James Heusner, MD | Anesthetic Management of Postpneumectomy Syndrome and a Predicted Difficult Intubation |
| Poster 302 | Philip Nulman, MD | Hemodynamic Characteristics of Malignant Hyperthermia |

SATURDAY, MAY 14, 2022

KIOSK 6 10:00 AM - 11:00 AM PT

Moderator: Brad Meers, MD, FASE

| | | |
|-----------|---|--|
| Poster 40 | TomMario Davis, MD | Intracardiac Thrombosis During Emergent Type A Dissection Repair |
| Poster 41 | Andreas Plackis, MD | Diffuse Aortic Thrombosis Following Acute Ascending Aortic Dissection Repair and Separation from Cardiopulmonary Bypass |
| Poster 42 | Meena Naqappan, MD | Inverted Mitral Valve Prosthesis In the Aortic Position: A Rare Surgical Option |
| Poster 43 | Frederico Almonacid-Cardenas, MD | Transcatheter Aortic Valve Replacement and an Unusual Source of Cardiac Tamponade |
| Poster 44 | Jason Muelleck, MD | Anesthetic Management of a Left Ventricular Outflow Tract Pseudoaneurysm Following Valve-sparing Florida Sleeve Aortic Dissection Repair |
| Poster 45 | Andrea Farela, MD | Heart Transplant In a Patient Presensitized With Class I/II Antibodies and COVID-19 Positive |
| Poster 46 | Nicole Bashall, MD | Endocarditis, an Unexpected Savior in Hypertrophic Cardiomyopathy |

KIOSK 6 11:00 AM - 12:00 PM PT

Moderator: Ellen Richter, MD

| | | |
|------------|-------------------------------|---|
| Poster 170 | Ryan Cook, DO | Shunt Happens After MitraClip for Patient with Severe Pulmonary Hypertension |
| Poster 171 | Ragini Gupta, MD | Iatrogenic Pulmonary Vein Stenosis |
| Poster 172 | Serena Dasani, MD, MBA | A Life-Saving Diagnostic for Unexpected Hemodynamic Compromise in Noncardiac Surgery: The Utility of Rescue Transesophageal Echocardiogram in a Patient with Venous Air Embolism |
| Poster 173 | Nancy Wu, MD | Veno-arterial Extracorporeal Membrane Oxygenation as Salvage Therapy for Adrenal Crisis |
| Poster 174 | Katelyn Glines, DO | Triple Threat: Significant Aortic Stenosis, Mitral Stenosis, and Systolic Anterior Motion of the Mitral Valve Causing Left Ventricular Outflow Tract Obstruction in Cardiac Surgical Patients |
| Poster 175 | Patrick Ballman, DO | Use of Cangrelor with Heparin for Cardiopulmonary Bypass in Patient with Concern for Heparin Induced Thrombocytopenia |
| Poster 176 | William Wang, MD | Level IV Caval Thrombectomy into the Pulmonary Artery: A Case Report |

KIOSK 6 5:00 PM - 6:00 PM PT

Moderator: Bradford Cardonell, MD

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| Poster 303 | Todd Korthals, MD | Continual Transthoracic Echocardiography For Urgent Cesarean Section In Parturient With Severe Pulmonary Hypertension |
| Poster 304 | Joshua Roach, MD | Re-operation After Transesophageal Echocardiogram Detects Failed Sinus of Valsalva Aneurism Repair |
| Poster 305 | Sofia Lifgren, MD | Morgagni Hernia in an Adult Patient |
| Poster 306 | Rebecca Piland, DO | Venoarterial Extracorporeal Membrane Oxygen as a Bridge to Recovery Following Biventricular Failure in COVID-19 Related Myocarditis: A Case Report |
| Poster 307 | Joseph Arbizo, DO | Thoracic Descending Aortic Pseudoaneurysm Secondary To Spinal Hardware |
| Poster 308 | Cindy Youn, DO | NobleStitch EL Patent Foramen Ovale Closure for Recurrent Stroke in a Patient on Extracorporeal Membrane Oxygenation with COVID-19 |
| Poster 309 | Keith Andrews, MD, MBA | Large Aortic Pseudoaneurysm for Emergent Surgery |

SATURDAY, MAY 14, 2022

KIOSK 7 10:00 AM - 11:00 AM PT

Moderator: Adam Milam, MD, PhD

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|-----------|-------------------------------------|--|
| Poster 47 | Daniela Havens-Lastarria, MD | First Female Recipient of the Aeson Total Artificial Heart |
| Poster 48 | Colleen Coghlan, MD | Management of Incidental Aortic Valve Mass |
| Poster 49 | Spencer Daur, MD | Iatrogenic Aortic Dissection During Minimally Invasive Mitral Valve Surgery |
| Poster 50 | Ronvir Sangha, MD | Iatrogenic Gerbode Defect Causing Intraoperative Right Heart Failure |
| Poster 51 | Dan Ridley, MD | Ascending Aortitis Mimicking Type A Intramural Hematoma by Multiple Imaging Modalities |
| Poster 52 | Hong Liang, MD | Sinus of Valsalva Aneurysm With Aortic Regurgitation, Replace the Aortic Valve Or Not? |
| Poster 53 | Trevor Berry, MD | Percutaneous Closure of Multi-fenestrated Atrial Septal Defect and Patent Foramen Ovale: A Case Report |

KIOSK 7 11:00 AM - 12:00 PM PT

Moderator: Louis Saddic III, MD, PhD

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| Poster 177 | Will Martin, MD | Pheochromocytoma Resection In a Patient With Hypertrophic Obstructive Cardiomyopathy |
| Poster 178 | Coilin Leo Collins Smyth, Mb BOA FCAI | Traumatic Anterolateral Papillary Muscle Rupture Causing Severe Acute Mitral Regurgitation |
| Poster 179 | Richard Gyi, DO | Residual Shunt after Transcatheter Patent Foramen Ovale Closure and Implantation of a Second Closure Device |
| Poster 180 | Dhruti Diwan, MD | Extracorporeal Membrane Oxygenation in a Pregnant Patient with COVID-19 ARDS: A Case Report |
| Poster 181 | Lisa Pinchover, MD | Echocardiographic Considerations for Aorto-Atrial Fistula: Diagnosis And Management of a Recurrent Aorto-Atrial Fistula |
| Poster 182 | Benjamin Kristobak, MD | A Sharp Right Turn: Aortic to Right Atrial Shunt During Transcatheter Aortic Valve Replacement |
| Poster 183 | Bruno Maranhao, MD, PhD | Durable Right Ventricular Assist Device in a Patient With Dextro-Transposition of the Great Arteries Status-Post Atrial Switch |

KIOSK 7 5:00 PM - 6:00 PM PT

Moderator: Susan Eagle, MD

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| Poster 310 | Jack Schneck, DO | Prepare for the Unexpected: Crash to Circulatory Arrest! |
| Poster 311 | Simone Phang-Lyn, MD | Role of Transesophageal Echocardiography in Patent Foramen Ovale Closure and Transcatheter Pulmonic Valve Replacement in Corrected Tetralogy of Fallot |
| Poster 312 | Brandon Hernandez, MD, MBA | Urgent Mitral Valve Replacement for Post-MI Papillary Muscle Rupture After Administration of Three Anti-Platelet Agents |
| Poster 313 | Sophie Dean, MD | Symptomatic Nonvalvular Left Ventricular Fibroelastoma |
| Poster 314 | Pei Zhang, MD | Anesthetic Challenges of Left Atrial Mass Excision with Intracranial Hypertension |
| Poster 315 | Jason Pang, MD | Tamponade Secondary to Atrial Laceration After Open Retrieval of Malfunctioning PASCAL Device |
| Poster 316 | Michael Chang, MD | Bioprosthetic Aortic Valve Transprosthetic Leak |

SATURDAY, MAY 14, 2022

KIOSK 8 10:00 AM - 11:00 AM PT

Moderator: Jennie Ngai, MD

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|-----------|-----------------------------|--|
| Poster 54 | Sophia Lin, MD | I Can Feel My Heart Pop Out!": Chest Wall Mass Invading the Anterior Mediastinum with Severe Right Ventricular Compression |
| Poster 55 | Erica Alcibiade, DO | Venous-Arterial (VA) Extracorporeal Membrane Oxygenation (ECMO) Utilizing Multistage Trans-Septal Cannulation Strategy |
| Poster 56 | Clifford Deerman, MD | Preemptive Septal Myectomy to Avoid LVOT Obstruction for Patient Requiring Concomitant Valvular Surgery |
| Poster 57 | Sanjay Kadari, MD | Percutaneous Decommissioning of LVAD |
| Poster 58 | Melissa Burtoft, MD | Pediatric Cardiac Patient with Unexpected Coagulation Disorder |
| Poster 59 | Marietta Smith, MD | Right Axillary Intra-Aortic Balloon Pump Insertion Complicated By Rapid Migration and Aortic Dissection |
| Poster 60 | Mina Alifi, MD | Driving Surgical Decision Making: Critical Diagnosing of Dynamic Coronary Ostial Obstruction Post Homograft Aortic Replacement |

KIOSK 8 11:00 AM - 12:00 PM PT

Moderator: Susan Sankova, MD

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|------------|------------------------------|--|
| Poster 184 | Maximilian Lang, MD | Management of a Mediastinal Mass With Severe Airway Compression |
| Poster 185 | Keith Byrne, MD | Iatrogenic Ventral Septal Defect in a Patient Undergoing Transcatheter Aortic Valve Replacement |
| Poster 186 | Derek Wilson, MD, MS | Ventilator Dysfunction and Dynamic Lung Hyperinflation Secondary to Inhaled Epoprostenol Usefareast During Lung Transplantation |
| Poster 187 | Andrew Winegarner, MD | Echocardiographic Imaging of Bifurcated Double Barrel Coronary Sinus |
| Poster 188 | Arthur Mielke, MD | Hemolysis, Elevated Liver Enzymes, Low Platelet Count (HELLP) Syndrome Versus Circuit-Related Hemolysis in a Pregnant Patient on Veno-Venous Extracorporeal Support for COVID-19 Pneumonia |
| Poster 190 | Rebecca Koscik, MD | Anomalous Pulmonary Venous Return In Hypertrophic Cardiomyopathy |

KIOSK 8 5:00 PM - 6:00 PM PT

Moderator: Jared Feinman, MD

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|------------|------------------------------|---|
| Poster 317 | Nathanael Moore, MD | Unrepaired Pectus Excavatum Undergoing Endoscopic Cardiac Surgery for Aortic Regurgitation |
| Poster 318 | Fahad Alkhedhairi, MD | Patent Ductus Arteriosus in Adult Patient During Aortic Dissection Repair |
| Poster 319 | Andrew Lin, DO | Ischemic Ventricular Septal Defect In Continuity with a Right Ventricular Pseudoaneurysm |
| Poster 320 | Michael Hsu, MD | Applications of Point of Care Ultrasound to Guide Perioperative Management |
| Poster 321 | Annandita Kumar, MD | Systolic Anterior Motion of the Mitral Valve as a Complication of Aortic Valve Replacement |
| Poster 322 | Jennifer Palermo, MD | Peri-Partum Veno-Arterio-Venous Extracorporeal Membrane Oxygenation as a Rescue Therapy for Cardiogenic Shock and Acute Respiratory Distress Syndrome |
| Poster 323 | Arunabha Basu, MD | Combined Heart-lung Transplantation for Eisenmenger Syndrome in an Adult With a Large Unrepaired Secundum Atrial Septal Defect |

SATURDAY, MAY 14, 2022

KIOSK 9 10:00 AM - 11:00 AM PT

Moderator: Nirvik Pal, MBBS, MD

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|-----------|-------------------------------------|--|
| Poster 61 | German Barbosa-Hernandez, MD | Left Ventricular Fibroma Enucleation and Ventricular Wall Reconstruction In a 19 Year Old Female |
| Poster 62 | Callana Fox, MD | Anesthetic Management of Carcinoid Syndrome and Carcinoid Heart Disease in a Patient Undergoing Percutaneous Pulmonic and Tricuspid Valve Replacement |
| Poster 63 | Alexander Chasse, DO | Hemopure as an Alternative To Standard Transfusion in a Jehovah's Witness Patient Presenting With an Acute Type A Aortic Dissection |
| Poster 64 | Kaiying Zhang, MD | Aortic Arch Thrombosis and Stroke in a Patient with Prothrombin Gene Mutation |
| Poster 65 | Meihsi Chen, MD | Naso-Bronchial Intubation with an Ultra Long Wire-Reinforced Single Lumen Tube for Lung Isolation in a Patient with Severe Trismus Needing Right Upper Lobectomy |
| Poster 66 | Matthew Woo, MD | A Unique Case of a Patient on VV ECMO with COVID Pneumonia Surviving Cardiac Arrest From Tension Hydrothorax Due to Inadvertent TandemHeart Physiology |
| Poster 67 | Jane Frances Egbosiuba | Anesthetic Challenges if Pericardiectomy in Constrictive Pericarditis |

KIOSK 9 11:00 AM - 12:00 PM PT

Moderator: Joshua Sebranek, MD

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|------------|-----------------------------------|---|
| Poster 191 | Jeans Santana, MD | Percutaneous Transcatheter Mitral Valve Repair In Hypertrophic Obstructive Cardiomyopathy |
| Poster 192 | Joseph AbuRahma | Not Your Typical Chest Pain- Autogenous Vein Graft Complicated by Aneurysmal Dilation with Right Ventricular Fistula |
| Poster 193 | Travis Barker, MD | A Case of Mistaken Identity? Constrictive Pericarditis, Cardiac Tamponade, or Both? |
| Poster 194 | Maziar Nourian, MD | Intracardiac Thrombosis During Cardiac Arrest Following Right Ventricular Lead Revision |
| Poster 195 | Monique Roberts, MD | Diagnostic Dilemma in Double Chamber Right Ventricle |
| Poster 196 | Megan McLachlan, MD, FRCPC | Management Of Hypoxemia In a Patient with a Primum Atrial Septal Defect |
| Poster 197 | Ky Huynh, MD | Complex Management of Pulmonic Valve Replacement and Tricuspid Valve Repair in an Adult Status Post Repaired Congenital Heart Disease |

KIOSK 9 5:00 PM - 6:00 PM PT

Moderator: Matthew Fischer, MD, MS

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|------------|-----------------------------------|---|
| Poster 324 | Karen Paltoo, MD | Proceeding with Atrial Fibrillation Ablation in the Setting of Decompensated Congestive Heart Failure |
| Poster 325 | Ryan Gill, MD | Simultaneous Acute Type A Aortic Dissection Repair and Open Repair of an Acute Ruptured Infrarenal Abdominal Aneurysm |
| Poster 327 | Hianata Kai, MBBS | Ascending Aorta and Hemiarch Replacement for Type A Dissection in a Patient with Hemophilia B |
| Poster 328 | Karuna Puttur Rajkumar, MD | Pulmonary Embolism and Right Heart Failure as a Complication of Angiovac Procedure for Tricuspid Valve Endocarditis |
| Poster 329 | Randall Holtby, MD | Intraoperative TEE Alters Anesthetic Management Following Complex Aortomitral Curtain Reconstruction for Infective Endocarditis |
| Poster 330 | Joshua Hauser, MD | Management of a Retained Wire Actively Traversing Major Vessels |
| Poster 331 | Prashant Angara, MD | Redo Pulmonic and Tricuspid Valve Replacement in Adult Congenital Heart Patient |

SATURDAY, MAY 14, 2022

KIOSK 10 10:00 AM - 11:00 AM PT

Moderator: Richard Thalappillil, MD

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|-----------|-------------------------------|---|
| Poster 30 | Kristen Skinner, DO | En Bloc Resection of Posterior Mediastinal Mass and Intrapericardial Pneumonectomy With Cardiopulmonary Bypass |
| Poster 68 | Rachel Dada, MD | Partial Left Heart Bypass for Descending Thoracic Aortic Replacement In the Setting of Aorto-Bronchial and Aorto-Esophageal Fistulas |
| Poster 69 | Tatiana Krejci, MD | When a Less Invasive Transcatheter Aortic Valve Replacement In Surgical Aortic Valve Replacement Becomes a More Invasive Redo Surgical Aortic Valve Replacement |
| Poster 70 | Christopher Romano, MD | Anesthetic Management of Adolescent with Recurrent Mediastinal Synovial Sarcoma with Pulmonary Artery Involvement and Previously Ligated Coronary Artery |
| Poster 72 | Chloe Regalado, MD | Anesthetic Management of a Patient With Peripartum Cardiomyopathy |
| Poster 73 | Prateek Prasanna, DO | Early Mechanical Device Placement for Optimization of Post-Infarction Ventricular Septal Defect |
| Poster 74 | Alex Wang, DO, MPH | Resuscitation in a Drowning Victim with Extracorporeal Membrane Oxygenation |

KIOSK 10 11:00 AM - 12:00 PM PT

Moderator: Tao Shen, PhD

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|------------|-------------------------------|---|
| Poster 198 | Stephan Hain, MD | Pacing Displaced: A Case of a Malpositioned Pacing Wire |
| Poster 199 | Herman Yang, MD | The Deployment and Migration of a Half Moon Medical Transcatheter Mitral Valve Repair Device |
| Poster 200 | Leigh Hickerson, MD | Successful Angiotensin II Therapy for Combined Anaphylactic Transfusion Reaction and Post Cardiopulmonary Bypass Vasoplegia |
| Poster 201 | Ronny Munoz-Acuna, MD | Carcinoid Syndrome: Case Report and Proposal of a Novel and Simplified Anesthetic Management Algorithm |
| Poster 202 | Paul Gallo, MD | Combined Heart-Lung Transplant Complicated by Liver Injury, Case Report on Importance of Broad Differential |
| Poster 203 | Brooklyn Fillinger, MD | Radiation Induced Mitral Stenosis: An Uncommon Cause of a Common Problem |
| Poster 204 | Sharon Jiang, MD | Levo-Transposition of the Great Arteries: Congenitally Corrected But Still Not Quite Right |

KIOSK 10 5:00 PM - 6:00 PM PT

Moderator: McKenzie Hollon, MD, FASE

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|------------|---------------------------------------|--|
| Poster 332 | Valerie Verdun, MD | An Unusual Case of Intraoperative Anaphylaxis |
| Poster 333 | Mina Alfi, MD | Atrioventricular Septal Defects – The Challenges of Echocardiographic Interpretation |
| Poster 334 | Quratulain Samoon, MD | Double Trouble: Severe Anaphylaxis and Severe Aortic Stenosis |
| Poster 335 | Christian Tilley, MD | Percutaneous Transcatheter Tricuspid Valve Repair in a Patient with Congenitally Corrected Transposition of the Great Arteries |
| Poster 336 | William Parrella O'Donnell, DO | Cardiovascular Complications in Longstanding Acromegaly |
| Poster 337 | Derek Starkey, MD | Unconventional Transesophageal Echocardiographic View Assessing a Saphenous Vein Graft Aneurysm |
| Poster 339 | Clayton Newell, MD | Perioperative Course for Resection of Recurrent Right Retroperitoneal Pheochromocytoma in a Patient with a Fontan Heart |

SATURDAY, MAY 14, 2022

KIOSK 11 10:00 AM - 11:00 AM PT

Moderator: Nelson Thaemert, MD

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|-----------|----------------------------|---|
| Poster 75 | Matthew Epelman, DO | Pulmonary Artery to Left Coronary Artery Fistula in a Patient with a Left Atrial Myxoma |
| Poster 76 | Emiley Tou, MD | A Case of Macrophage Activation Syndrome Requiring Venoarterial Extracorporeal Membrane Oxygenation |
| Poster 77 | Nicole Morikawa, MD | Systolic Anterior Motion of the Mitral Valve Following Aortic Valve Replacement and Cabg |
| Poster 78 | Tiffany Chen, MD | Paraganglioma Resection in a 27-Year-Old with Fontan Physiology |
| Poster 79 | Maxwell Cainkar, DO | Left Atrial Appendage Clipping After Failed Watchman Implantation |
| Poster 80 | Muna Oli, MD, MPH | Treatment of Post-MI Left Ventricular Aneurysm |
| Poster 81 | Sal Intagliata, DO | Patient with Late Presenting Stemi, In Shock from Ventricular Septal Rupture |

KIOSK 11 11:00 AM - 12:00 PM PT

Moderator: Bantayehu Sileshi, MD

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|------------|------------------------------|--|
| Poster 205 | Joseph Kim, MD | Management of Spontaneous Complex Pericardial Hematoma Causing Right Heart |
| Poster 206 | Elizabeth Mulhern, MD | Central VA ECMO, Methemoglobinemia, Erythrocytapheresis, and Serotonin Syndrome After a Failed Suicide Attempt |
| Poster 207 | Andrew Herrmann, DO | Anaphylactic Shock in a 54-Year-Old Patient with Severe Aortic Stenosis and Coronary Artery Disease |
| Poster 208 | Erika Lodgek, MD | Intraoperative Intracardiac Thrombosis Management During Combined Heart-Liver Transplantation |
| Poster 209 | Craig Grosshuesch, MD | Refractory Hypoxemia on Veno-Venous ECMO in COVID-19 ARDS |
| Poster 210 | Bryant Hong, MD | Giant Occlusive Mobile Thrombus In the Setting of Severe Rheumatic Mitral Stenosis |
| Poster 211 | Saul Siller, MD, PhD | Bilateral Pulmonary Artery Stent Placement In an Adult with Medium-To-Large Vessel Vasculitis |

KIOSK 11 5:00 PM - 6:00 PM PT

Moderator: Ravi V. Joshi, MD, FASE

| | | |
|------------|-----------------------------|---|
| Poster 340 | Patrick Upchurch, MD | Mycotic Anastomotic Aortic Pseudoaneurysm Following Orthotopic Heart Transplantation |
| Poster 341 | Ima Chinedozi, MD | Post-Bypass Pulmonary Edema In a Patient After Transcatheter Aortic Valve Replacement Extraction |
| Poster 342 | Louisa Phillips, MD | Patient Prosthetic Mismatch after Aortic Valve Replacement |
| Poster 343 | David Janiczek, MD | Avulsion of Anterolateral Papillary Muscle Secondary to Blunt Force Trauma In a Parturient |
| Poster 344 | Matthew Lavalley, MD | Successful Management of a Ventricular Septal Rupture: From Diagnosis to Discharge |
| Poster 345 | Jamie Bloom, MD | Perfusion-Dependent Focal Neurological Deficits in a Critically Ill Heart Transplant Recipient: a Case of Tacrolimus-Associated Reversible Cerebral Vasospasm Syndrome? |
| Poster 346 | Michael Beshara, DO | Intraoperative Transesophageal Echo Diagnosis of Coronary Sinus Stenosis in a Patient Undergoing Aortic and Mitral Valve Surgery |

SATURDAY, MAY 14, 2022

KIOSK 12 10:00 AM - 11:00 AM PT

Moderator: **Richard Thalappillil, MD**

| | | |
|-----------|------------------------------|---|
| Poster 82 | Viet Trinh, DO | A Silent Chronic Aortic Dissection |
| Poster 83 | Haiying Liu, MD | A Case of Nail Gun Injury to Heart and Aorta |
| Poster 84 | Laura Phelan, MD | The Pulmonic Valve: Often Forgotten... But Crucial to Right Ventricular Assist Device Placement |
| Poster 85 | Lynn Pauls, MD | Colon Cancer Presents As Mycotic Aortic Aneurysm |
| Poster 86 | Armish Singh, MD | Unrepaired Tetralogy of Fallot in an 86-Year-Old Female Undergoing Transcatheter Aortic Valve Replacement |
| Poster 87 | Quratulain Samoon, MD | Bands N' Valves |
| Poster 88 | Jonathan Weimer, MD | A Patient with Aortic Root Fistula from Infective Endocarditis Undergoing the Commando Procedure |

KIOSK 12 11:00 AM - 12:00 PM PT

Moderator: **Vikram Fielding Singh, MD**

| | | |
|------------|--|---|
| Poster 212 | Nadine Naguib, MD | Rapid Ventricular Pacing for Transvenous Dural Arteriovenous Malformation Embolization |
| Poster 215 | Shan Zhou, MD | Bi-Ventricular Assist Devices Support in a Patient With Undiagnosed Acromegalic Cardiomyopathy |
| Poster 216 | Christina Moore, MD | Intraoperative Transesophageal Echocardiogram for TAVR: Ally or Foe? |
| Poster 217 | Brett Gentle, DO | Hydroxocobalamin for Refractory Post Cardiopulmonary Bypass Vasoplegia |
| Poster 218 | Cameron Williams, MD, MSc, BScH | Continuous Erector Spinae Plane Block for Subcutaneous ICD Insertion |
| Poster 235 | Christina Moore, MD | Severe Aortic Stenosis in an Elderly Patient with Concomitant Hypertrophic Obstructive Cardiomyopathy |

KIOSK 12 5:00 PM - 6:00 PM PT

Moderator: **Abirami Kumaresan, MD**

| | | |
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| Poster 347 | Derek Titus | A Rare Presentation of a Left Ventricular Pseudoaneurysm in a 32-Year-Old Male |
| Poster 348 | Stefana Rafiroiu, DO | Acute Cor Pulmonale During Veno-Venous Extracorporeal Membrane Oxygenation for COVID-19 Acute Respiratory Distress Syndrome In Postpartum Female |
| Poster 349 | Chelsea Halsted, MD | Pulmonary Thromboendarterectomy and Patent Foramen Ovale Closure for Chronic Thromboembolic Pulmonary Hypertension Complicated By Eisenmenger Syndrome |
| Poster 350 | Zachary Lee, MD | An Aberrant Coronary Artery Fistula Following Removal of a Left Atrial Myxoma |
| Poster 351 | Jarrold Bang, MD, MPH | True Heparin Allergy: Our Multidisciplinary Approach to Perioperative Management |
| Poster 352 | Lisselle Villarrubia Ocasio, MD | Use of Perioperative POCUS Reveals Intracardiac Mass in a Patient with Critical Limb Ischemia |
| Poster 353 | Jun Tu Zhen, MD, MBA | Intra-Operative Management of Atrioventricular Groove Dissociation in a Post Mitral Valve Replacement Patient |

SATURDAY, MAY 14, 2022

KIOSK 13 10:00 AM - 11:00 AM PT

Moderator: **Bessie Kachulis, MD**

| | | |
|-----------|------------------------------|--|
| Poster 89 | Joseph Capone, DO | Burn Debridement and Skin Grafting with Large Volume Blood Loss in Patient on VV-ECMO Requiring Dual Oxygenators |
| Poster 90 | Tonia Tauh, MD, FRCPC | Valve Between a Rock and a Hard Place: Does it Work? |
| Poster 91 | Louise Gliga, MD | Secondary Aortoesophageal Fistula Complicated By Massive Intra-operative Hemorrhage |
| Poster 92 | Fahad Alkhedhairi | Coronary Artery Aneurysm with Fistula Associated with Tricuspid Valve Regurgitation |
| Poster 93 | Scott Breeden, DO | Cardiovascular Collapse in an Adult Patient with Diaphragmatic Hernia |
| Poster 94 | Cheng Cheng Ma, MD | Circuit Chatter After a Cesarean Delivery |
| Poster 95 | Tiffany Yeh, MD, MS | Transcatheter Aortic Valve Replacement Requiring Cardiopulmonary Bypass in a Patient with a Continuous-Flow Left Ventricular Assist Device |

KIOSK 13 11:00 AM - 12:00 PM PT

Moderator: **Michele Sumler, MD, MA, FASE**

| | | |
|------------|-----------------------------|--|
| Poster 219 | Robert Barnes, MD | Resection of Ventricular Muscle Band and Repair of Ventricular Septal Defect In Double Chamber Right Ventricle |
| Poster 220 | Jeffrey Friedman, MD | Treatment of Hypertrophic Obstructive Cardiomyopathy in the setting of Systolic Anterior Motion of the Mitral Valve and Diastolic Heart Failure |
| Poster 221 | Zhaoyi Tang, MD | Transaortic Aortic Valve Replacement Complicated By Endocarditis and Bioprosthetic Aortic Valve Restenosis Requiring Surgical Aortic Valve Replacement |
| Poster 222 | Ivette Perez, MD | Intracardiac Thrombus and Pulmonary Thromboembolus after Left Ventricular Assist Device Implantation and Heart Transplantation |
| Poster 223 | Peter Paik, MD | Dental Infection Causing Endocarditis of Aortic and Pulmonic Valves Via Patent Ductus Arteriosus |
| Poster 224 | James Pius, MD | Left Atrial Appendage Thrombus and Stroke: A Case For Early Postoperative Imaging |
| Poster 225 | Jason Smith, MD | Supravalvular Aortic Stenosis After Ascending Aorta Replacement |

KIOSK 13 5:00 PM - 6:00 PM PT

Moderator: **Douglas C. Shook, MD, FASE**

| | | |
|------------|------------------------------------|--|
| Poster 355 | Kathleen McGreevey, MD | Intraoperative Cardiac Event During Spinal Surgery Due to Suspected Pheochromocytoma |
| Poster 356 | Duane Myklejord, MD, PHD | Post Operative Systolic Anterior Motion (SAM) of the Mitral Valve Following Aortic Valve Replacement, a Case Report |
| Poster 357 | Nuo Yang, DO | Coronary Ischemia Post Valvular Surgery In a Patient with Streptococcus Gordonii Endocarditis |
| Poster 358 | Brian Shin, MD | Transcatheter Aortic Valve Replacement Complicated by Left Ventricular Outflow Tract to Left Atrium Fistula |
| Poster 359 | Patrick Torres, MD | Anesthetic Management of Valve-In-Valve Transcatheter Tricuspid Valve Replacement in a Patient with Down's Syndrome and History of Tetralogy of Fallot |
| Poster 360 | Martin Steine, MD | Pulmonary Thromboendarterectomy and Tricuspid Valve Replacement in a Patient with Ebstein Anomaly |
| Poster 361 | Aderinola Adejare-Smith, MD | Perioperative Management of a Patient with Anomalous Aortic Origin of a Coronary Artery |

SATURDAY, MAY 14, 2022

KIOSK 14 10:00 AM - 11:00 AM PT

Moderator: Steven Miller, MD

| | | |
|------------|--------------------------------|--|
| Poster 96 | Eric Zhang, MD | Bentall Procedure Complicated by Post-op Cardiac Arrest Requiring Emergent Coronary Artery Bypass Grafting |
| Poster 97 | Edward O'Connor, MD | A Transcatheter Mitral Valve Replacement Salvage Procedure |
| Poster 98 | Mahjoobah Ghulam, DO | Distal Aortic Arch with Left Subclavian Dissection Following Attempted Axillary Intra-Aortic Balloon Pump Placement |
| Poster 99 | Chen Zhao, DO | An Unusual Case of Acute Prosthetic Valve Thrombosis in the Setting of Cardiogenic Shock Requiring Venoarterial Extracorporeal Membrane Oxygenation |
| Poster 100 | Michael Chen, MD | Combined Thyroidectomy, Tracheal Resection and Reconstruction In a Patient With an Invasive Thyroid Tumor Causing Central Airway Obstruction |
| Poster 101 | Kyle Hamm, MD | Multi-Plane or Multi-Use? Utility of TEE To Diagnose Coronary Occlusion During Cardiac Arrest |
| Poster 102 | Sarvie Esmaelizadeh, MD | Fulminant Giant Cell Myocarditis Achieving Myocardial Recovery Using Extracorporeal Membrane Oxygenation and Combination Anti-Thymocyte Globulin, Calcineurin Inhibitor, Steroid Immunosuppression |

KIOSK 14 11:00 AM - 12:00 PM PT

Moderator: Emily Teeter, MD, FASE

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|------------|------------------------------|--|
| Poster 226 | Clark Fisher, MD, PhD | Catastrophic Protamine Reaction Following Pulmonary Thromboendarterectomy Treated with VA-ECMO |
| Poster 227 | Garret Chan, MD | Perioperative Management of a Patient with Eisenmenger Syndrome for ERCP |
| Poster 228 | Scott Heller, MD | TEE Identification of Left Pulmonary Artery Kinking during Lung Transplant Resulting in Systemic Pulmonary Artery Pressure and Right Ventricular Pressure Overload |
| Poster 229 | Jessica Miranda, MD | Intraoperative Transesophageal Echocardiography for Management of VA-ECMO |
| Poster 230 | Alexandra Waits, MD | Massive Ascending Thoracic Aortic Aneurysm Repair in a Patient Status Post Cardiac Arrest x2 |
| Poster 231 | Daniel Denis, DO | Awake Cardiopulmonary Bypass in Acute Pulmonary Embolism for Pulmonary Embolectomy |
| Poster 232 | Nicolas Govea, MD | Airway Hemorrhage During Left Atrial Appendage Exclusion Device Insertion |

KIOSK 14 5:00 PM - 6:00 PM PT

Moderator: Jeffrey C. Songster, MD

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|------------|----------------------------|---|
| Poster 362 | Daniel Hart, MD | Coronary Artery Ectasia Secondary to Prior Sirolimus Stenting Requiring Coronary Bypass Grafting Surgical Intervention |
| Poster 363 | Muhammad Zubair, MD | Percutaneous Edge-To-Edge Repair for Functional Mitral Regurgitation Post Orthotopic Heart Transplant |
| Poster 364 | Jinhui Zhao, MD | Acute Severe Aortic Insufficiency Due to Native Valve Endocarditis In a Parturient- Cesarean Delivery and Subsequent Ross Procedure |
| Poster 365 | Christine Acho, MD | First In-Man Report: Robotic-Assisted Single Lung Transplant |
| Poster 366 | Ina Zaimi, MD | Case Report: Massive Pulmonary Artery Aneurysm Echocardiographic Evaluation and Repair |
| Poster 367 | Mejd Jumaily, MD | Pectoralis I Block as an Adjunct to Sedation in a High-Risk Patient for an Implantable Cardioverter Defibrillator Exchange |
| Poster 368 | Dan Brodie, DO | Contained Rupture of Left Ventricular Pseudoaneurysm With a Communication to the Left Atrium Following a Myocardial Infarction |

SATURDAY, MAY 14, 2022

KIOSK 15 10:00 AM - 11:00 AM PT

Moderator: **Marisa Hernandez Morgan, MA, MD, MPP**

| | | |
|------------|------------------------------|---|
| Poster 104 | Roy Kiberenge, MD | Hypoxia Workup In a Fontan Patient |
| Poster 105 | Michael Blaha, MD | Vasoplegia During Cardiopulmonary Bypass During Redo Sternotomy for Tricuspid Valve Replacement |
| Poster 106 | Lana Moy, MD | Flash Pulmonary Edema Status Post Pulmonary Vein Stent Placement for Pulmonary Vein Stenosis |
| Poster 107 | Allan Yau, MD | Collapse of the Frozen Elephant Trunk: A Case Report |
| Poster 108 | Rameez Zaman, MD | Embolized TAVR A and Aggravating Prosthetic Aortic Regurgitation |
| Poster 109 | Maryte Cylys, MD, MBA | Heart and Lung Transplantation in a Patient with Eisenmenger's Syndrome on Prolonged VA ECMO |
| Poster 110 | Patricia Guan, MD | Cesarian Section in Patient with Shone Complex |

KIOSK 15 11:00 AM - 12:00 PM PT

Moderator: **Annemarie Thompson, MD**

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|------------|--------------------------------------|--|
| Poster 214 | Jonathan Molina Cifuentes, MD | TEE Probe Placement With Esophageal Pathology |
| Poster 233 | Megan McClain, MD | Not Sew Right – Story of a Pulmonary Artery Anastomotic Stricture In Heart Transplant |
| Poster 234 | Chinh Tran, MD | Transcatheter Closure of a Sinus Venous Atrial Septal Defect |
| Poster 236 | Douglas Adams, MD | The Piggy That Did Not Go to Market: Errant Placement of A Pigtail Into the Left Ventricle |
| Poster 237 | Garrett Sutton, MD | Embolic Complications of Atrial Myxoma |
| Poster 238 | Matthew Tribble, DO | Transcatheter TAVR – A Viable Approach For a Patient with Class III Obesity |
| Poster 239 | Sophie Higgins, MD | Put Humpty Dumpty Back Together Again: A Case of an Aorto-Mitral Curtain Repair Following Aortic Root Pseudoaneurysm |

KIOSK 15 5:00 PM - 6:00 PM PT

Moderator: **Krisztina Escallier, MD**

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|------------|--------------------------------|---|
| Poster 369 | Grant Fortson, MD | Anterior Mitral Valve Leaflet Malformation in Hypertrophic Cardiomyopathy |
| Poster 370 | Christopher Seiter, MD | Non-Bacterial Thrombotic Endocarditis Precipitating Acute Embolic Stroke Following COVID-19 Infection: A Case Report |
| Poster 371 | James Schifffenhaus, MD | Diagnosis of MVR-TAVR Prosthesis Dehiscence and Caseous Calcification Rupture Using TEE |
| Poster 372 | Georges Abiroustom, MD | Stellate Ganglion Radiofrequency Ablation Ultrasound Guidance with In-Vivo Palpation During Total Thyroidectomy in Setting of Refractory Nonsustained Ventricular Tachycardia |
| Poster 374 | Sam Bonge, MD | Complicated Cardiac Transplant Postoperative Course: Vasoplegia And Serotonin Syndrome |
| Poster 375 | Patrick Torress, MD | A Multidisciplinary Team Approach to the Management of a Patient with Severe Myasthenia Gravis Undergoing Transcatheter Aortic Valve Replacement |
| Poster 376 | Ashley Oliver, MD | A Tight Path: When Difficult Airway Threatens the Heart Transplant |

SATURDAY, MAY 14, 2022

KIOSK 16 10:00 AM - 11:00 AM PT

Moderator: Daryl A. Oakes, MD

| | | |
|------------|-------------------------------|---|
| Poster 111 | Suwarna Anand | Anesthetic Challenges In Parturient with Severe Mitral Stenosis: A Case Report |
| Poster 112 | Tiffany Morandi, MD | Transesophageal Echocardiography Guidance During Revision of Rastelli Procedure and Eighth Sternotomy for D-Transposition of the Great Arteries |
| Poster 113 | Kimberly Kupinski, MD | Low LVAD Flows and Hidden Hematoma; Use of TEE In Establishing Diagnosis |
| Poster 114 | Sagar Bansal, MBBS | Anesthetic Considerations in Patient with Superior Vena Cava Syndrome |
| Poster 116 | Tatsiana Krynskaya, MD | Management of Intercostal Artery Patch Rupture after Thoracoabdominal Aortic Aneurism Repair |
| Poster 118 | Mohamed Ginina, MBBCh | Failure of ProtekDuo ECMO Device as a Bridge to Lung Transplant |
| Poster 120 | Luke Botting, DO | Innominate Artery and Innominate Vein Fistula Creation Secondary to Laser Pacemaker Lead Extraction: Interesting But Dangerous Physiology |

KIOSK 16 11:00 AM - 12:00 PM PT

Moderator: Daniel A. Tolpin, MD

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|------------|---------------------------|--|
| Poster 240 | Brendon Hart, DO | Hypotension in Total Artificial Heart Implantation |
| Poster 241 | Andrew Weaver, MD | Severe Mitral Regurgitation Following Septal Myectomy |
| Poster 242 | Brian Brenner, MD | Is Two Always Greater Than One? A Case of a Clotted Cardio-Pulmonary Bypass (CPB) Circuit After Emergent Reversal of Apixaban with Both Prothrombin Concentrate Complex (PCC) and Andexanet Alfa |
| Poster 243 | Andrea Rivero, DO | Virtual Reality to Provide Safe Anesthesia Care for High-Risk Transcatheter Aortic Valve Replacement |
| Poster 244 | Kevin Roy, MD | Weighing the Risk: Traumatic for Everyone! Off-Pump Aortic Debranching Following Blunt Injury and a Compromised Airway |
| Poster 245 | Prabhat Yeturu, DO | Acute Right Ventricular Dysfunction After Left Lower Lobectomy: A Case Study |
| Poster 246 | Paul Lennon, MD | Echocardiographic Guided Removal of an Embolic Tricuspid Valve Vegetation |

KIOSK 16 5:00 PM - 6:00 PM PT

Moderator: Dalia Banks, MD, FASE

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|------------|---------------------------------|---|
| Poster 377 | Mario Flores, MD, MBA | Right Atrial Dissection After Heart Transplant |
| Poster 378 | Patrick Coleman, MD, MPH | Angiosarcoma Mass Embolization |
| Poster 379 | Zil Patel, DO | Anesthetic Considerations In the Management of Transcatheter Aortic Valve Embolization |
| Poster 380 | Christine Acho, MD | Pectointercostal Fascial Plane Block for Cardiac Implantable Electronic Device Placement |
| Poster 381 | Joseph Vollmer, MD | Prominent Eustachian Valve Complicating Refractory Hypoxemia in VV ECMO Support |
| Poster 382 | Gabrielle Frisenda, MD | Persistent Left Superior Vena Cava: Diagnosis and Implications in Robotic Mitral Valve Replacement Surgery |
| Poster 383 | Alix Zuleta, MD | Cardiac Sympathetic Denervation for Refractory Sympathetic Mediated Ventricular Arrhythmias in the Setting of Subcutaneous Implantable Cardioverter Defibrillator |

SATURDAY, MAY 14, 2022

KIOSK 17 10:00 AM - 11:00 AM PT

Moderator: Elvera Baron, MD

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|------------|--------------------------------|---|
| Poster 121 | Hawa Abubakar, MD | Combined Off-Pump Cardiac Revascularization and Liver Transplantation |
| Poster 122 | Christopher Lensing, MD | Careful Consideration of Thrombus in Transit in Cardiac Surgery after Acute Ischemic Stroke |
| Poster 123 | Jaclyn Mueller, MD | A Clot In Transit: Impending Paradoxical Embolism and Hemodynamic Collapse |
| Poster 124 | Diana Tiwari, MD | Placement Of An Impella 5.5 Into a Failing Systemic Right Ventricle In a Patient With a History of D-Transposition of the Great Arteries and an Atrial Switch |
| Poster 126 | Naomi Bui, MD | Intraoperative Sudden Cardiac Death from Very Late Thrombosis of a Current Generation Drug Eluting Coronary Artery Stent |
| Poster 127 | Jose Puentes, MD | Mitral Stenosis in a Parturient with History of Non-Compliance with Anticoagulation: The Role of Timely and Diagnostic Echocardiography in Clinical Decision Making |
| Poster 128 | Ryan Hood, MD | Anesthetic Considerations In Redo Resection of Primary Renal Synovial Sarcoma with Metastatic Thrombus Transversing the IVC to Invade the Right Atrium |

KIOSK 17 11:00 AM - 12:00 PM PT

Moderator: Amanda Kleiman, MD

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|------------|---------------------------|--|
| Poster 140 | Vincent Sakk, DO | Endoaortic Occlusion of a Right-Sided Aortic Arch During Robotic Mitral Valve Repair |
| Poster 247 | Scott Creel, MD | Protein, Protein Everywhere and Not a Lot of Clot |
| Poster 249 | Mayank Gogna, MD | Embolized Transcatheter Heart Valve Requiring Surgical Retrieval |
| Poster 250 | Jaclyn Mueller, MD | Between Many Rocks and Many Hard Places! Anesthetic Management of a Complex Heart Transplant Candidate with Congenital Heart Disease with New Lung Nodules for Diagnostic Bronchoscopy |
| Poster 251 | Robert O'Neal, MD | COVID-19 and Left Ventricular Thrombus in a Patient with Normal Systolic Function and Hereditary Spherocytosis |
| Poster 252 | Lacey Haugen, DO | Hemorrhagic Cardiac Tamponade: A Case of Double Jeopardy |
| Poster 253 | Jayme Looper, MD | Worst Vacation Ever: Utilization of Ventricular Assist Device and Stellate Ganglion Block in High Risk Situation |

KIOSK 17 5:00 PM - 6:00 PM PT

Moderator: Charles Nyman, MBBCh

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|------------|--------------------------------|--|
| Poster 384 | Josiah Miles, MD | Hemodynamic Collapse Secondary to Auto-PEEP in a Patient Undergoing Double Lung Transplantation |
| Poster 385 | Catherine Chiu, MD | Giant Sarcoma in the Left Atrium |
| Poster 386 | Susan Walters, MD | Iatrogenic Aortic Coarctation Physiology After Type a Dissection Repair |
| Poster 387 | Michael Dancer, MD | Intraoperative Obstructive Shock Following Thoracic Insufflation Caught on Echo During Thoracoscopic Thymoma Resection |
| Poster 388 | Irene Kitromelides MD | Dobutamine-Induced Hypersensitivity Myocarditis and Peripheral Eosinophilia |
| Poster 389 | Jeremy Friedman, MD, MS | Palliation of a Neonate with Tetralogy Of Fallot And Pulmonary Atresia with a Patent Ductus Arteriosus Stent |
| Poster 390 | Dexter Gregg, MD | Single Lung Ventilation In a Patient with Bronchial Stenosis |

SATURDAY, MAY 14, 2022

KIOSK 18 10:00 AM - 11:00 AM PT

Moderator: John Zaki, MD, FASE, FACC, FASA

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|------------|--------------------------------|--|
| Poster 129 | Leah Breen, MD | Transcatheter Aortic Valve Replacement to Treat Aortic Insufficiency in a Patient with a Durable Left Ventricular Assist Device |
| Poster 130 | Arsh Chopra, MD | Underdeployment, Paravalvular Leak, and Coaptational Redundancy During Re-ballooning in Transcatheter Aortic Valve Replacement |
| Poster 131 | Vivian Choi, MD, PhD | Delayed Presentation of Malignant Hyperthermia Following Pericardiectomy |
| Poster 132 | Kristin Trela, MD | Successful Use of Intrathecal Morphine for Postoperative Analgesia in Minimally Invasive Robotic Off-Pump Coronary Artery Bypass and Myocardial Bridge Unroofing |
| Poster 133 | William Morris, MD | Use of Inhaled Nitric Oxide for Acute Right-Heart Failure Following Coronary Artery Bypass Grafting |
| Poster 134 | Natalie Trojanowski, MD | Edge-to-Edge MitraClip Technique for Treatment of Severe Tricuspid And Mitral Valve Regurgitation In a Post-Gastrectomy Patient |
| Poster 296 | Faryal Ahmad, MD | Should We Be Imaging Prior to Lumbar Drain Placement for TEVAR? Pre-Drain Imaging Reveals Meningioma Requiring Resection |

KIOSK 18 11:00 AM - 12:00 PM PT

Moderator: Andra E. Duncan, MD, MS, FASE

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|------------|----------------------------|---|
| Poster 254 | Benjamin Becker, DO | Anesthetic Management for Resection of Intrapericardial Paraganglioma |
| Poster 255 | Shauna Schwartz, MD | VA ECMO Rescue for RV Failure Post Valvular Replacement Surgery for Radiation Cardiac Disease |
| Poster 256 | David Wildt, MD | Anomalous Coronary Artery and Ascending Aortic Aneurysm |
| Poster 259 | Matthew Frakes, MD | Perioperative Challenges for Severe Tricuspid Regurgitation in a Patient Requiring Transcatheter Valve Replacement |
| Poster 260 | Mario Flores, MD | Fontan Physiology Going for Robotic Hysterectomy |
| Poster 261 | Linda Laham, MD | Two Is Better Than One? Role of Repeat Mitral Valve Clipping After Torn Mitral Leaflet in Severe Mitral Regurgitation |

KIOSK 18 5:00 PM - 6:00 PM PT

Moderator: Alan Smeltz, MD

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|------------|-----------------------------|--|
| Poster 391 | Tiffany Yeh, MD | Emergent MitraClip as a Bridge to Mitral Valve Replacement in a Hemodynamically Unstable Patient |
| Poster 392 | Eyad Atieh, MD | Massive Hemorrhage, Sepsis, and Congestive Heart Failure: A Lethal Combination in a Patient with an Atrio-Esophageal Fistula |
| Poster 393 | Maryna Khromava, MD | Hydroxocobalamin (Vitamin B12) for Vasopressor-Refractory Hypotension After Cardiopulmonary Bypass in Pediatric Patient |
| Poster 394 | Lisa Huang, MD | A Tough Pill to Swallow: Transesophageal Echocardiography-Associated Injuries |
| Poster 395 | Aric Runzheimer, MD | Surgical Resection of an Asymptomatic Giant Right Coronary Artery Aneurysm |
| Poster 396 | Andrew Resnick, MD | Congenital Aortopulmonary Window with Associated Anomalous Right Coronary Artery: Late Presentation and Urgent Repair |
| Poster 397 | Zachary Sesonsky, MD | Anticoagulation Management for Cardiopulmonary Bypass In the Setting of Antiphospholipid Syndrome |

SATURDAY, MAY 14, 2022

KIOSK 19 11:00 AM - 12:00 PM PT

Moderator: **Christine Stypula, MD**

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|------------|-----------------------------------|--|
| Poster 262 | Jordan Stefko, MD | Turner Syndrome and Partial Anomalous Pulmonary Venous Return in Adult Cardiac Surgery |
| Poster 263 | Kenneth Jezierski, MD, MPH | Resection of Papillary Mass Caused By Libman Sacks Endocarditis |
| Poster 264 | Lakshmi Nemani, MD | Management of Coagulopathy in a Postpartum Patient With Undiagnosed Vascular Ehlers Danlos Syndrome Presenting with Bilateral Papillary Muscle Rupture |
| Poster 265 | Robert Ricketts, MD | Anesthetic Considerations in a Hemodynamically Unstable Patient with an Atrial Hematoma and Low Ejection Fraction |
| Poster 266 | Mark Ramirez, D ABA | Cardiac Paraganglioma in a Patient with Hereditary Paraganglioma-Pheochromocytoma Syndrome |
| Poster 267 | Matthew Brown, MD | Anomalous Origination of a Coronary Artery from the Opposite Sinus |
| Poster 268 | Ryan Haas, MD | A Multidisciplinary Approach to the Peri-operative Management of a Patient with Severe Pulmonary Hypertension Undergoing High-Risk Non-Cardiac Surgery |

KIOSK 19 5:00 PM - 6:00 PM PT

Moderator: **Jessica Hathaway, MD**

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|------------|----------------------------|--|
| Poster 258 | Wendy Tsai, MD | Intrapericardial Mass Excision |
| Poster 398 | Elyse Guran, MD | Severe Dynamic Left Ventricular Outflow Tract Obstruction in Open Thoracoabdominal Aortic Aneurysm Repair Under Partial Cardiopulmonary Bypass: Balancing Surgical Bleeding and Hemodynamic Optimization |
| Poster 399 | Bryan Chow, DO | Thrombus Traversing Through a Patent Foramen Ovale |
| Poster 400 | Christina Ma, MD | Atrioventricular Groove Rupture Following Redo Mitral Valve Replacement Requiring Re-Redo Mitral Valve Replacement And Aortic Valve Replacement |
| Poster 401 | Charles Gartman, MD | Complex Aortic Repair After Intraoperative Aortic Dissection in a Patient with Marfan Syndrome |



SUNDAY, MAY 15, 2022 • 12:30 PM - 1:30 PM PT

KIOSK 1

Moderators: David Mazer, MD and Sreekanth Cheruku, MD, MPH, FASE

| | | |
|----------|----------------------------------|---|
| Poster 1 | Ahmed AlFaraj, MD | Stability of Epinephrine, Norepinephrine and Phenylephrine for Intravenous Infusions Stored in Three Syringe Brands |
| Poster 3 | Michael Tien, MD | The Impact of COVID-19 on Racial and Ethnic Disparities in Cardiac Procedural Care |
| Poster 4 | Kade O'Leary | Bivalirudin Has a Greater Anticoagulant Effect in Neonatal Blood Than in Adult Blood in Vitro |
| Poster 5 | Jordan Sharlin, MD | A United States' First: Endoscopic Triple-Valve Cardiac Surgery |
| Poster 6 | Ryan Lefevre, MD | Intravenous Analysis Detects Acute Pulmonary Hypertension in a Sheep Model |
| Poster 7 | Manshu Yan, MD | Derivation of Distinct Clinical Phenotypes of the Cardiopulmonary Bypass-induced Inflammatory Response |
| Poster 8 | Queeny Pan, MD | Long Term Point of Care Lung Ultrasound Findings after COVID-19 Infection |
| Poster 9 | Harshavardhan Agashe, PhD | An Analysis of Response Times for Detection of Changes in Cardiac Output in Post-Operative Cardiac Surgery Patients |

KIOSK 2

Moderators: Samhati Mondal, MD and Camila Machado de Souza, MD, PhD, FRCPC

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|-----------|-------------------------------|--|
| Poster 10 | Millica Bjelic, MD | Anesthesia Consideration and Safety of Off-pump HeartMate 3 Left Ventricular Assist Device Implantation |
| Poster 11 | Jessica Brodt, MD | Preliminary Results of the RACER Study: A Prospective Randomized Placebo Controlled Trial of Erector Spinae Plane Catheters in Cardiac Surgery Patients |
| Poster 12 | Karl Kristiansen, MD | Augmentation of Thrombin generation after Prothrombin Complex Concentrate (PCC) Compared To Fresh Frozen Plasma (FFP) for Post-Cardiopulmonary Bypass Bleeding |
| Poster 13 | Trevor Sutton, MD, MBA | Enhanced Recovery After Cardiac Surgery Reduces Racial and Ethnic Disparities Following Coronary Artery Bypass |
| Poster 14 | Julius Balogh, MD | Risk Factors and Outcomes of Protein-Calorie Malnutrition in Chronic Heart Failure Patients Undergoing Elective Cardiac Surgery |
| Poster 16 | Michael P. Eaton, MD | Parenteral Dabigatran Provides Adequate Anticoagulation for Cardiopulmonary Bypass Using a Rabbit Model |
| Poster 17 | Jakob Wollborn, MD | Differential Analysis of Platelet Function in a Porcine Model of Cardiac Arrest and Venoarterial ECMO |
| Poster 18 | Catalina Carvajal, DO | Racial and Sexual Differences in Perioperative Transfusion Management in Adult Patients Undergoing Cardiac Surgery |

KIOSK 3

Moderators: Kori Scott Ford, MD, FASA and Andra E. Duncan, MD, MS, FASE

| | | |
|-----------|--|---|
| Poster 19 | Matthew Barajas, MD | Resuscitation After Asphyxial Arrest in Diabetic and Non-Diabetic Rats |
| Poster 20 | Richard Yeom, MD | Mean Mitral Valve Area Reduction Using Contemporary Mitraclip™ |
| Poster 21 | Sujatha Indrajit, MBBS, DA, DNB, FNB, MNAMS | Low Bioelectrical Impedance Phase Angle A Predictor of Blood Transfusion and Hyperglycemia in Cardiac Surgical Patients |
| Poster 24 | Liliane Ernst, MD | Mortality and Severe Morbidity Among Pregnant Patients with Pulmonary Hypertension by Race |
| Poster 25 | John Salinas | A Mixed Methods Study to Improve Patient Blood Management |
| Poster 26 | Nicolas Cruz, BA | How Severity and Type of Pulmonary Hypertension Determines Pregnancy Outcomes - a Systematic Review of the Literature |

SUNDAY, MAY 15, 2022 • 12:30 PM - 1:30 PM PT

KIOSK 4

Moderators: Sheela Pai Cole, MD, FASE, FASA and Raghavendra Govinda, MBBS, MD

| | | |
|-----------|--------------------------------|--|
| Poster 28 | Tracey Hong, MD, MS | Acute Kidney Injury Requiring Dialysis During Admissions for Orthotopic Heart Transplantation: A Population-Based Study |
| Poster 29 | Nada Qureshi, MD | Uncoupling Protein-2 Expression in Epicardial Fat – Response to Oxidative Stress in Diabetic Patients |
| Poster 30 | Xiaopeng Zhang, MD | Perioperative Application of Diltiazem in Patients Undergoing On-Pump Coronary Artery Bypass Grafting, A Single Center Propensity Matched Cohort Study |
| Poster 31 | Goverdhan Puri, MD, PhD | Relation of Right Heart Echocardiographic Parameters with Pulmonary Function Tests and Exercise Testing in Lung Resection Surgery |
| Poster 32 | Matthis Heringlake, MD | The Effect of Prophylactic Intra-Aortic Counterpulsation on Mortality in Cardiac Surgical Patients – An Updated Meta-Analysis and a Reminder on a Missed Opportunity |
| Poster 33 | Luis da Luz, MD, MSc | A Prospective, Randomized, Controlled Study of Clotting Factor Concentrates Versus Standard Massive Hemorrhage Protocol in Severely Bleeding Trauma Patients: The FiiRST-2 Study |
| Poster 34 | Ragini Gupta, MD | Outcomes After Ultra Fast-Track Extubation After Open Cardiac Surgery |
| Poster 36 | Natalie Lebedko | Ecarin Stimulated TEG is Not Superior to ACT or r-TEG to Measure the Effect of Bivalirudin in Human Blood |

KIOSK 5

Moderators: Harendra Arora, MD, MBA, FASA and Louise Sun, MD, SM, FRCPC, FAHA

| | | |
|-----------|----------------------------------|--|
| Poster 37 | Andres Laserna, MD | Blood Pressure Monitoring Gaps in Patients with Left Ventricular Assist Devices Presenting for Non-Cardiac Surgeries |
| Poster 39 | Matthew Brown, MD | Intraoperative Transesophageal Echocardiography is Predictive of Postoperative Transvalvular Gradient after Aortic Valve Replacement |
| Poster 40 | Chung-Jen Chen, MD | Use of Hydroxocobalamin to Reduce Vasopressor Requirement in Cardiac Surgical Patients: A Case Series |
| Poster 41 | Adam Dalia, MD, MBA, FASE | ABO Blood Group and Bleeding in VA-ECMO Patients |
| Poster 42 | Susana Arango, MD | Integrated, Immersive, and Interactive Virtual Reality Platform for Learning Transesophageal Echocardiography |
| Poster 43 | Pooja Patel, MD | A Rare Case of Type H Quadricuspid Aortic Valve |
| Poster 44 | Martina Barbic, MD | Deliberately Occluded LMA Used to Prevent Air Leak After a Fresh Tracheostomy Cuff Rupture During Emergency Thoracic Surgery with One-Lung Ventilation |
| Poster 45 | Katherine Barnes, MD | Perioperative Myocardial Infarction Incidence and Interventions: A Single-Center, Retrospective Study |

KIOSK 6

Moderators: Himani Bhatt, MD and Meena Bhatia, MD

| | | |
|------------|----------------------------|---|
| Poster 46 | Jeong-Jin Min | Bioelectrical Impedance Analysis and Postoperative Outcome in Patients Undergoing Off-Pump Coronary Artery Bypass Grafting: A Prospective Observational Study |
| Poster 47 | Stewart Smith, MD | Racial Disparities in Post Operative Outcomes For Heart Failure Patients Undergoing Non-Cardiac Surgery: A NSQIP Analysis |
| Poster 53 | Derek Titus, DO | Echocardiographic Characteristics and Outcome Correlations in COVID-19 Patients with Cardiovascular Events |
| Poster 95 | Tzonghuei Chen, MD | Hypercarbia During Monitored Anesthesia Care for Transcatheter Aortic Valve Replacement: Incidence and Predictors |
| Poster 102 | Robert Suriani, MD | A Joint Effort: Surgeon and Anesthesia Administered Transversus Thoracic Muscle Plane Block for Intra and Postoperative Pain for CABG: A Case Series |
| Poster 110 | Sami Struter, BA | Efficacy of Wire Guided Scalpel in Central Venous Catheter Placement |
| Poster 123 | William Perillo, MD | Ultrasound Guided Pectoralis Block for Postoperative Analgesia for Trans-Subclavian Transcatheter Aortic Valve Replacement: A Case Report |
| Poster 141 | Zulqar Islam, MD | Decreasing Incidence of Epistaxis During Electrophysiology Procedures |

MONDAY, MAY 16, 2022 • 12:30 PM - 1:30 PM PT

KIOSK 1

Moderators: Jessica Brodt, MD and Tjorvi E. Perry, MD, MMS

| | | |
|-----------|-----------------------------|--|
| Poster 35 | Joerg Earl Ender, MD | Early Impact of Transcatheter Edge-to-Edge Tricuspid Valve Repair on Right Ventricle Geometry and Function Evaluated by 2D and 3D Transesophageal Echocardiography |
| Poster 50 | Najla Beydoun, MD | Peripheral Nerve Blocks in Cardiac Surgery |
| Poster 51 | Zhe Ma, MD | Introduction to Structural Heart Disease Using High Fidelity Simulation |
| Poster 52 | Nathan Vinzant, MD | Perioperative Outcomes for Radical Nephrectomy and Level III-IV Inferior Vena Cava Tumor Thrombectomy in Patients with Renal Cell Carcinoma |
| Poster 54 | Ji-Hyun Lee, PhD | Prediction of Fluid Responsiveness Following Liver Compression in Pediatric Patients with Single Ventricle Physiology |
| Poster 55 | Dave Shah, DO | Evaluating the Analgesic Effect of Bilateral Liposomal Bupivacaine Pectorintercostofascial Plane Blocks in Patients Undergoing Cardiac Surgery Via Sternotomy |
| Poster 56 | Alberto Furzan, MD | Intraoperative Neuromonitoring and Anesthetic Management to Optimize Outcomes in Patients Undergoing Thoracoabdominal Aorta Repair and Deep Hypothermic Circulatory Arrest |
| Poster 57 | Kasey Grewe, MD | Thoracic Epidural Analgesia is Required in a Small Subset of Patients Following Lung Transplantation |

KIOSK 2

Moderators: Anne Cherry, MD, FASE and Prakash A. Patel, MD, FASE

| | | |
|-----------|-------------------------------|---|
| Poster 58 | Rajni Singh, MD | Agreement of Tricuspid Regurgitation Measurement Between 2D and 3D in Standard Transesophageal Echocardiographic Mid Esophageal Views in the Intraoperative Setting |
| Poster 59 | Juan Ripoll, MD | Coagulation Tests and Kaolin Thromboelastography Poorly Classify Microvascular Bleeding After Cardiopulmonary Bypass |
| Poster 60 | Xi Emma Li, MD | Aortic Valve Commissural and Leaflet Pathology: The Inside Look |
| Poster 61 | Syed Mufarrih, MD | Influence of Timing of Blood Transfusion on 30-Day Post-Operative Outcomes in Patients Undergoing Coronary Artery Bypass (CABG) Surgery |
| Poster 62 | Estuardo Saravia F, MD | Simulator Case-Based Training in Basic TEE Imaging for Anesthesiology Residents: Assessment of Retention and Self-Evaluation |
| Poster 63 | Marie Caruso, MD | A Rare Cause of Severe Bioprosthetic Transvalvular Regurgitation Diagnosed by Transesophageal Echocardiogram |
| Poster 64 | Paul Yen, MD | Right Ventricular Function Following Full Median Sternotomy Versus Minimally-Invasive Approaches For Implantation of Left Ventricular Assist Device |
| Poster 65 | Joshua Hubert, DO | Carbon Emissions During Elective Coronary Artery Bypass Surgery, a Single Center Experience |

KIOSK 3

Moderators: Michael P. Eaton, MD and Shiva Murthy Sale, MD

| | | |
|-----------|-----------------------------------|--|
| Poster 66 | Doug Wackerle, MD | Sex-Related Differences in Death, Hospitalization, & Emergency Department (ED) Visits Following Coronary Artery Bypass Grafting (CABG) in the Veterans Health Administration (VHA) Between 2000 and 2016 |
| Poster 67 | Jacob Enslin, MD | Hemodilution in High Risk Cardiac Surgery: Laboratory Values, Physiological Parameters, and Outcomes |
| Poster 68 | Justin Tuwatananurak, MD | Post-Cardiac Surgery Atrial Fibrillation – Is There a Role for Strict Electrolyte Management in Preventative Strategies? |
| Poster 69 | Ryan Melvin, PhD | Hypothermic Circulatory Arrest (HCA) Does Not Impact Cerebral Autoregulation |
| Poster 70 | Shea Shipton | Preoperative Hemoglobin is Key Indicator for Mortality in Cardiothoracic Surgery |
| Poster 71 | Travis Barker, MD | Analysis of Transfusion Practices in Coronary Artery Bypass Grafting at a Large Tertiary Care Center as it Relates to Preoperative Hemoglobin and Patient Outcomes |
| Poster 72 | Stephanie Bradley, MD, MPH | Analysis of Aging Impact on Clinical Outcome in Ascending Aortic and Aortic Arch Replacement Surgeries with Deep Hypothermic Circulatory Arrest (DHCA) |
| Poster 73 | Rebecca Hamilton, MD, MSc | A Longitudinal Profile of Non-Cardiac Surgical Needs in Patients with Congenital Heart Disease |

MONDAY, MAY 16, 2022 • 12:30 PM - 1:30 PM PT

KIOSK 4

Moderators: Ratna Vadlamudi, MD, FASE and Kenichi Tanaka, MD

| | | |
|-----------|-------------------------------|---|
| Poster 74 | Alex Wang, MD | Pulmonary Artery to Aorta Ratio as a Non-invasive Marker of Pulmonary Vascular Resistance Following Left Ventricular Assist Device Implantation |
| Poster 75 | Joseph Mintz, MD | Recovery After Lung Transplantation with Regional Anesthesia: Retrospective Analysis of a Pilot Program |
| Poster 76 | Gloria Rodriguez, MD | Bivalirudin as an Alternative to Heparin for Cardiopulmonary Bypass: Beyond the Anesthesiologist |
| Poster 77 | Nicolas Cruz, BA | Goal Directed Blood Management Enables Ultra-High-Volume Cell Salvage in Cardiac Surgery |
| Poster 78 | Michael Morkos, MD | Utilization of Erector Spinae Plane Block in Minimally-Invasive Cardiac Surgery |
| Poster 79 | Sathappan Karupiah, MD | Use of Factor and Fibrinogen Concentrate in Adult Cardiac Surgery – A Single Center Retrospective Cohort Study |
| Poster 80 | Michael Cutrone, DO | Perioperative Blood Product Exposure and its Association with De Novo HLA-Alloimmunization in Adult Heart Transplant Patients |
| Poster 81 | Stephanie Lam, DO, MS | Incidence of Intraoperative Vasoplegic Syndrome in Bilateral Lung Transplantation |

KIOSK 5

Moderators: Marisa Hernandez Morgan, MA, MD, MPP and Nikolaos Skubas, MD, FASE, FACC, DSc

| | | |
|-----------|---------------------------------|--|
| Poster 82 | Joerg Earl Ender, MD | 15 Years Fast Track Concept in a Specialized Post Anesthetic Care Unit |
| Poster 83 | Chelsea Gustafson, BS | Differences in Anesthetic Management of Patients with Pulmonary Hypertension by Anesthesiologists Having Completed a Cardiothoracic Fellowship Versus Those Who Have Not |
| Poster 84 | Benjamin French, MD, MSc | Efficacy of a Cardiac Enhanced Recovery after Surgery Protocol in Improving Postoperative Return of Bowel Function: A Retrospective Study |
| Poster 85 | Michael Franklin, DO | Anesthetic Management and Outcomes of Orthotopic Lung Transplantation in 27 Patients With End-Stage Lung Disease Secondary to SARS-CoV-2 Infection |
| Poster 86 | Daniel Hart, MD | The Relationship Between Transfusion and Adverse Outcomes in Cardiac Surgical Patients |
| Poster 87 | Selby Johnson II, MD | Use of Artificial Intelligence in Cardiac Point-of-Care Ultrasound: Education Amongst Obstetric Anesthesiologists |
| Poster 88 | Olivia Valencia, MD | Minimizing Harm in Performing TEEs in Liver Transplants: A Case Series |
| Poster 89 | Robert Suriani, MD | Split-Dose Erector Spinae Plane Block to Facilitate Enhanced Recovery in Robotic Thoracotomy: A Case Series |

KIOSK 6

Moderators: Jonathan K. Ho, MD, FASE and Miklos D. Kertai, MD, PhD

| | | |
|------------|--------------------------------|---|
| Poster 27 | Tzonghuei Chen, MD | Transesophageal Echocardiography of the Coronary Sinus: Analysis of Different Views |
| Poster 90 | Trygve Armour, MD | Audit of the Intraoperative Record Captured by an Anesthesia Information Management System Reveals Significant Data Quality Issues |
| Poster 91 | Samuel Goldstein, MD | Association of Post-Procedural Extubation at Time of Impella Insertion and Improved Event-Free Survival |
| Poster 92 | Christine Lee, MD | 69 Year-Old Female with Disappearance of Right and Left Atrial Thrombus |
| Poster 93 | David Preston, DO | Analysis of Factor Concentrate Use in the Blood Conservation and Hemostasis in Cardiac Surgery Survey |
| Poster 99 | Abdul Kader-Tabbara, MD | Use of a Structured Handoff to Improve Communication and Patient Safety During Handoff of the Postoperative Cardiac Surgery Patient |
| Poster 100 | Katherine Greco, MD | The Role of Anesthesiologists for Percutaneous Coronary Intervention for Chronic Total Occlusions |
| Poster 138 | Cindy Youn, DO | Optimal Anesthetic Management of Ruptured Abdominal Aortic Aneurysm: Outcomes of Endovascular and Open Repairs |

TUESDAY, MAY 17, 2022 • 12:00 PM - 1:00 PM PT

KIOSK 1

Moderator: Julie Wyrobek, MD

| | | |
|------------|---|---|
| Poster 23 | Libing Wang, MD | The Sex-Specific Impact of Deep Hypothermic Circulatory Arrest on Postoperative Stroke and In-hospital Mortality |
| Poster 48 | Sassan Ragizadeh, MD, PhD | Healthcare Resource Utilization Associated with Inhaled Pulmonary Vasodilator Therapy in Adult Lung Transplantation: Cost Analysis of a Nested Cohort from the INSPIRE-FLO Clinical Trial |
| Poster 94 | Farhan Lakhani, BS | A Comparison Study of the Inotrope and Vasopressor Requirements Among Low and Very Low Left Ventricular Ejection Fraction In Patients Undergoing Coronary Artery Bypass Grafting |
| Poster 96 | Nikhil Keny, MD | Intraoperative Predictors of Early Renal Allograft Function in Simultaneous Heart-Kidney Transplants |
| Poster 97 | Ahmed Zaky, MSc, MD, MPH, MBA, CMQ | Validation of a Curricular Map on Cardiac Implantable Electronic Devices for Cardiac Anesthesia Trainees |
| Poster 98 | Albert Robinson III, MD | Mitral Valve Replacement Following Multiple Failed Percutaneous Edge-to-Edge Mitral Valve Repairs |
| Poster 101 | Maxie Phillips, DO | Does Perioperative Goal Directed Therapy using Flotrac Improve Outcomes in Esophagectomy Patients |
| Poster 142 | John Encarnacion, BS | Hypothermia and Delayed Extubation Following Thoracic Endovascular Aortic Surgery |

KIOSK 2

Moderator: McKenzie Hollon, MD, FASE

| | | |
|------------|------------------------------|--|
| Poster 104 | Ronny Munoz-Acuna, MD | Echocardiography on Twitter – An #echofirst Analysis |
| Poster 125 | Kristen Ewing, MD | Complications with Attempted Removal of Right Atrial Thrombus |
| Poster 126 | Anil Tiwari, MD | McCune Albright Syndrome: Intraop Management of Lumbar Surgery in the Setting of Severely Elevated Pulmonary Pressures and Right Heart Failure |
| Poster 128 | Ruma Bose, MD | Protocolized Approach to Communication for Elective Hybrid Thoracoabdominal Aneurysm Repair |
| Poster 129 | Yannis Amador | Assessment of Right Ventricle Function in Patients with Mitral Valve Repair: Case Series |
| Poster 130 | Ronny Munoz-Acuna, MD | One Thrombus, Two Echocardiograms, Three Cardiac Chambers: A Case of Impending Paradoxical Embolism |
| Poster 131 | Ronny Munoz-Acuna, MD | Concomitant Use of Fiberoptic and Video Laryngoscopy for Difficult Intubation in the Anticoagulated and Frail Airway, a Combined Airway Approach: Case Report and Proof of Concept |
| Poster 134 | Ronny Munoz-Acuna, MD | A Case Report of a Patient with Three Different and Sequential Causes of Cardiogenic Shock |

KIOSK 3

Moderator: Massimiliano Meineri, MD, FASE

| | | |
|------------|--------------------------------|---|
| Poster 106 | Ian Funk, MD | Identification of Predictors for Post-Induction Hypotension in Patients with Pulmonary Hypertension |
| Poster 107 | Rebecca Kosciak, MD | The Role of the Anesthesiologist During Donation After Circulatory |
| Poster 108 | James Chen, MD, MBA | Long-Term Vascular Ultrasound Findings in Post COVID-19 Patients |
| Poster 109 | Madison Goldberger, MD | Normalizing Ebstein's Anomaly for the Adult Cardiac Anesthesiologist |
| Poster 111 | Matt Wallace, MD | A Training Paradigm for an Anesthesiologist-Placed IJ Cardiopulmonary Bypass Cannula for Endoscopic Cardiac Valve Surgery |
| Poster 112 | Hany Elgamal | Echo Round: Three-Dimensional Trimming, the Free Angle Alternative for Mitral and Aortic Valve Vitium Assessment |
| Poster 113 | Lucas Giunta, DO | Tamponade Physiology following Rectus Abdominis Flap Closure diagnosed via Point-Of-Care Ultrasound |
| Poster 124 | Goverdhan Puri, MD, PhD | Impact of Bedside Echocardiography in the Pediatric Postoperative Cardiac Surgical Patient: Interim Analysis of a Prospective Study |

TUESDAY, MAY 17, 2022 • 12:00 PM - 1:00 PM PT

KIOSK 4

Moderators: Stephanie Ibekwe, MD, MPH, MS and Kiran Belani, MD, FASE

| | | |
|------------|--------------------------------------|---|
| Poster 114 | Amanda Williams, MD | The Role of Extracorporeal Membrane Oxygenation in the Management of Heparin Induced Thrombocytopenia after Coronary Artery Bypass Graft Occlusion |
| Poster 115 | Ellesse Credaroli, DO | FEIBA After Surgery of the Aortic Root: Friend or Foe? |
| Poster 116 | Taylor Lindgren, MD | Red Blood Cell Conservation and Utilization in the Cardiovascular Operating Rooms at a Community Teaching Hospital |
| Poster 117 | Alex Wang, DO, MPH | Pre-Transplant Pulmonary Artery Diameter is Associated with Intensive Care Unit length of Stay in Heart Transplant Patients |
| Poster 118 | Maria Walline, MD | Prosthetic Graft Replacement of the Ascending Thoracic Aorta is associated with Acute Decrements in Left Ventricular Diastolic Tissue Mechanics on Intra-operative Transesophageal Echocardiography |
| Poster 119 | Tianyu Jiang, DO | Effect of Carotid Endarterectomy Length of Surgery on Hospital Length of Stay and ICU Length of Stay |
| Poster 120 | Anjum Saiyed, MD | Effectiveness of Bilateral Erector Spinae Plane Block on Intraoperative Requirement of Fentanyl in Patients Undergoing Cardiac Surgery: A Randomized, Controlled Interventional Study |
| Poster 122 | Michael Li, MBBS, MPHTM, GCCT | Impact of Coronary Revascularization on Left Ventricular Diastolic Function |

KIOSK 5

Moderator: Joyce A. Wahr, MD

| | | |
|------------|---------------------------------------|--|
| Poster 127 | Kathleen Parr, MD, FASE | Entrapment of a Paradoxical Embolus by a Patent Foramen Ovale |
| Poster 132 | Mitali Mali, DO | Sudden Right Ventricular Rupture Following Extubation for Sternal Wound Debridement |
| Poster 133 | Ezeldeen Abulkasem, MBBCh, MSc | Prognostic Value of Intraoperative Global Longitudinal Strain in Liver Transplant Recipients |
| Poster 135 | Nicholas Kalekas, DO | Giant Left Atrial Myxoma Obstructing Mitral Valve and Left Ventricular Outflow Tract Causing Severe Pulmonary Hypertension and Hypoxic Respiratory Failure |
| Poster 136 | Samuel Han, DO | Anesthetic Demands During the Multidisciplinary Surgical Repair of a Complex Thoracoabdominal Aortic Aneurysm |
| Poster 137 | Paul Lennon, MD | Another Option for Treating a Patient with Decompensated Aortic Valve Stenosis and Cardiogenic Shock |
| Poster 139 | Laura Guitierrez Soriano | Hypoxic Hepatitis and Acute Liver Failure in Patient with Double Lung Transplantation |
| Poster 140 | Michah Friedman, MD | Syndrome of Inappropriate Sinus Tachycardia: A Novel Intraoperative Presentation |



Complex Case

When One Door Closes... Another Opens

Presenter: **Chinyere Archie, MBBS**

Role of Intraoperative Echocardiography During Orthotopic Heart Transplantation in Patient with Single Ventricle Physiology and Heterotaxy Syndrome

Presenter: **Azad Hirpara, MD**

Extracorporeal Membrane Oxygenation and Rescue Transesophageal Echocardiography in a Pregnant Patient with Cardiovascular Collapse

Presenter: **Carmen Lopez, MD**

Pulmonary Vein Stenosis in Mitral Regurgitation: Intraoperative Transesophageal Echocardiogram Findings in Mitral Valve Surgery

Presenter: **Quratulain Samoon, MD**

Super Echo

Giant Coronary Artery Aneurysms and Ectasia: Switchbacks, Dumbbells, and Corkscrews

Presenter: **Brett J. Wakefield, MD**

Structural Heart Disease Dilemma - When the Solution Becomes the Problem

Presenter: **Aidan Sharkey, MD**

Percutaneous Repair of a Pulmonary Venous Baffle

Presenter: **Diana Khatib, MD**

Pulmonary Vein Systolic Flow Reversal Seen with Severe Tricuspid Regurgitation

Presenter: **Sunny Cai, MD**

Coronary Sinus Injury During Minimally Invasive Mitral Valve Repair

Presenter: **Lindsey Buchbinder, MD, MPH**

Best of Meeting Abstracts

Intraoperative Plasma Proteomic Changes in Cardiac Surgery: In Search of Biomarkers of Post-operative Delirium

Presenter: **Kwame Wiredu, MB ChB**

Association Between Red Cell Distribution Width and Mortality in Patients Receiving Venoarterial Extracorporeal Membrane Oxygenation

Presenter: **Adam A. Dalia, MD, MBA, FASE**

Patient-, Clinician-, and Institution-level Variation in Inotrope Use for Cardiac Surgery: A Multicenter Observational Analysis

Presenter: **Michael R. Mathis, MD**

Derivation and Validation of a Clinical Model to Predict Hospital Length of Stay After Cardiac Surgery

Presenter: **Alexandra Fottinger, BM BCh**

Comparison of Landmark vs. Fluoroscopy-Guided Cerebrospinal Fluid Drain-related Complications After Aortic Surgery

Presenter: **Alan Smeltz, MD**

Impact of Right Ventricular Deformation Imaging in Lung Transplant Surgery

Presenter: **Chinyere Archie, MBBS**

Quantifying Right Ventricular Function Using Pressure-Volume Relationships Derived from Pressure Waveform Analysis and 3d Echocardiography: Proof of Concept

Presenter: **Zachary Sesonsky, MD**

Achievement of Textbook Outcome in Pulmonary Hypertension Patients after Lung Transplantation: Comparing Planned MCS Mode

Presenter: **Gabrielle Madsen, MD**

The Safety And Efficacy Of Preoperative Carbohydrate Loading In Diabetic And Non Diabetic Cardiac Surgical Patients

Presenter: **Sujatha Indrajit, MBBS, DA, DNB, FNB, MNAMS**

Hit Me with Your Best Block: Transversus Thoracic Muscle Plane Block for Postoperative Analgesia after Median Sternotomy.

Presenter: **Alexander Skojec, MdD**

Efficacy and Safety of Weight-Adjusted Versus Empiric Dosing of Fibrinogen Concentrate and Cryoprecipitate for Hypofibrinogenemic Bleeding Adult Cardiac Surgical Patients

Presenter: **Justyna Bartoszko, MD, MSc, FRCPC**

High-Density Lipoproteins, Intercellular Adhesion Molecule-1, and Postoperative Acute Kidney Injury

Presenter: **Loren Smith, MD, PhD**

Next Generation Point-of-Care Coagulation Testing Technologies to Improve Patient Blood Management in Cardiac Surgery

Presenter: **Melissa Burger, MD**

ORAL ABSTRACT INFORMATION

Best of Meeting Abstracts *continued*

Mortality and Severe Morbidity by Delivery Mode Among Pregnant Patients with Pulmonary Hypertension

Presenter: **Ashley McNeil, MD**

A Novel Method For Creation of Right Ventricular Pressure-Volume Loops Using Non-Continuous Data and a Volume Prediction Model

Presenter: **Zachary Sesonky, MD**

Association Between Post-Operative Pericardial Effusion and Atrial Fibrillation - An Explanatory Echocardiographic Analysis of the Palacs Trial

Presenter: **Diana Khatib, MD**

A Proteomic Analysis for Prediction of Postoperative Delirium in Patients Undergoing Cardiac Surgery

Presenter: **Maria Goncalves, PhD**

Early Career Investigator Award

Characterization of Andexanet-Associated Heparin Resistance: Implications for Management

Presenter: **Nabil Thalji, MD, PhD**

Preoperative Right Ventricular Dysfunction Severity and Cardiac Surgery Outcomes (RV DYSCO) - An Analysis of the Society of Thoracic Surgeons Database

Presenter: **Daryl Kerr, MD**

Post-Cardiotomy Right Ventricular Strain Predicts the Need for Rescue Venoarterial Extracorporeal Membrane Oxygenation

Presenter: **Lauren Gibson, MD**

Comparison Between Erector Spinae Plane Blocks (Espb) and Transversus Thoracic Plane Blocks (TTPB) in Cardiac Surgery Patients: A Retrospective Observational Study

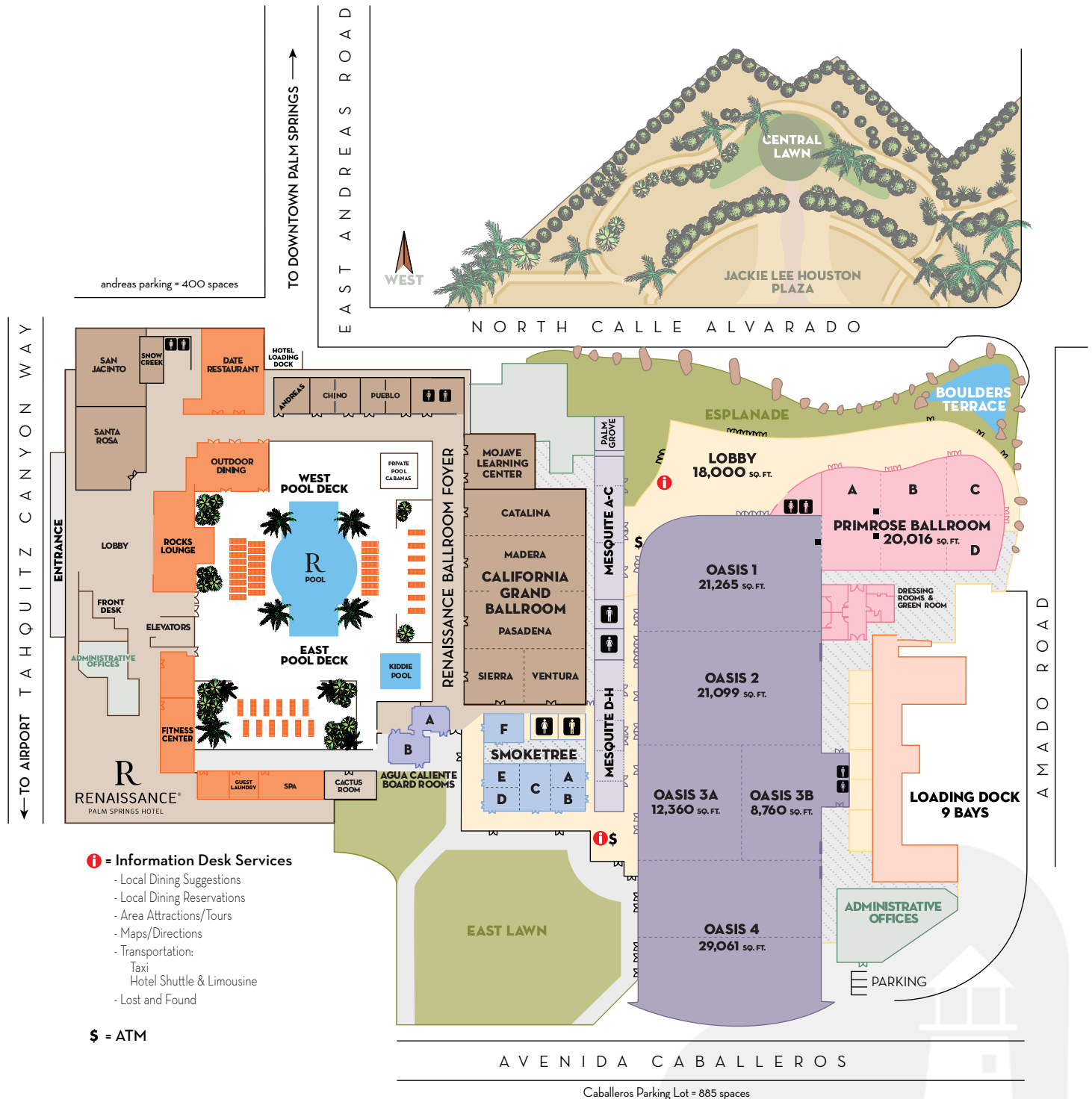
Presenter: **Rosa Kim, MD**

Use of Intravenous Fat Emulsion to Suppress 18f-Fluorodeoxyglucose Uptake in Non-Ischemic Myocardium for Cardiac Positron Emission Tomography

Presenter: **Michael Li, MBBS, MPHTM, GCCT**



HOTEL FLOOR PLAN





Edwards

Saturday, May 14 • 12:00 PM - 1:00 PM

**Managing Hemodynamic Stability with
Comprehensive Hemodynamic Monitoring:
An Interactive Panel Discussion**

Brad Cardonell, MD

University of Missouri School of Medicine

Alexander J Gregory MD, FRCPC

Cumming School of Medicine, University of Calgary

Univ.-Prof. Vera von Dossow, MD

Heart and Diabetes Center Bad Oeynhausen, Ruhr-University Bochum, Germany

PHILIPS

Sunday, May 15 • 12:30 PM - 1:30 PM

**Advanced Interventional Image
Guidance: ICE and TEE**

G. Burkhard Mackensen, MD, PhD, FASE

University of Washington School of Medicine

Thank You

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