37th Annual SCA Annual Meeting & Workshops/15th ICCVA



Program at a Glance

#SCA2015 A global celebration of cardiothoracic and vascular anesthesia



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Scientific Program Committee



Andrew D. Shaw, MB FRCA FCCM Scientific Program Committee Chair @andyshaw007



Amanda Fox, MD MPH Scientific Program Committee Vice Chair



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Davy Cheng, MD MSc FRCPC FCAHS CCPE Scientific Program Committee ICCVA Chair



William (Skip) C. Culp, Jr., MD FASE Director, Fellow and Junior Faculty Program

James H. Abernathy, III, MD MPH FASE FAHA Tara Brakke, MD FASE C. David Collard, MD

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Donna Greenhalgh, MBChB FRCA FFICM Wendy L. Gross, MD MHCM Gregg S. Hartman, MD Paul M. Heerdt, MD

PhD FCCP

Laureen L. Hill, MD MBA Gregory M. Janelle, MD FASE Priya A. Kumar, MD G. Burkhard Mackensen, MD PhD FASE

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General Information

Target Audience

Cardiothoracic and vascular anesthesiologists, critical care physicians, general anesthesiologists, nurses, perfusionists, other allied health personnel, epidemiologists/researchers, and all those involved in the care of cardiovascular and thoracic surgery patients will benefit from attending this meeting.

Statement of Need

Why You Should Attend

The field of cardiothoracic and vascular anesthesiology is a dynamic specialty that changes as modern cardiovascular medicine changes. Changes in the field of perioperative cardiovascular medicine include percutaneous valve interventions, minimally invasive surgical techniques, heart failure devices, electrophysiology procedures, and an aging cardiac surgical patient population. The 37th SCA Annual Meeting and Workshops includes interactive workshops and discussion sessions with experts centered on patient-oriented educational programs to teach the requisite skills and concepts necessary for advanced care of these patients. The program provides attendees with a unique forum for learning about and sharing standards and advances in evidence-based practice and treatment from and with colleagues in cardiothoracic and vascular anesthesiology.

This meeting provides attendees the opportunity to

- discuss current practice and recent advances in cardiology and cardiac surgery
- interact with multidisciplinary experts in cardiovascular anesthesiology
- discuss how to translate scientific discoveries into clinical practice
- connect with colleagues in different practice settings at numerous networking events, including exhibitor and poster presentation sessions
- discuss quality of care issues, including database metrics, as mechanisms to assist you in working within your own institution to improve quality
- raise questions, debate controversies, plan follow-up studies, and discuss results
- discuss your own research and clinical observations
- meet with more than 200 poster presenters to learn about their work and future research directions
- visit exhibiting companies featuring products and services specifically designed for professionals who study cardiovascular medicine.

What You Can Expect to Gain

The 37th SCA Annual Meeting and Workshops will offer information about current intraoperative management of patients undergoing various cardiac surgical procedures. In addition, this meeting will provide workshops in cardiac imaging, percutaneous valve surgery, transthoracic echocardiography, and extracorporeal support. Presentations are designed to enhance research and/or clinical knowledge and competence pertinent to cardiothoracic and vascular anesthesiology, and will feature content appropriate for professionals at several experience levels. By participating in this meeting, attendees can expect to be able to

- describe the latest advances in perioperative cardiovascular medicine
- critique current trends in clinical and bench research pertinent to cardiovascular medicine
- evaluate new techniques and diagnostic/interventional procedures in cardiothoracic and vascular anesthesiology
- assemble a network of professional colleagues with whom to exchange information about the practice of cardiovascular and thoracic anesthesiology.

Wireless Connection

SSID (Network Name): Marquis_CONF Password: SCA@2015

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General Information

CME Accreditation

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

SCA designates this live activity for a maximum total of 38.5 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity. Successful completion requires that participants register for the meeting, attend, participate, and complete an online evaluation. Participants will receive their CME certificates immediately after they submit their evaluations online.

37th Annual Meeting

The registration fee includes continental breakfasts, coffee breaks, (2) lunches, (1) reception, and the electronic syllabus.

Designation: The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 31 *AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Workshops

The registration fee includes workshop, continental breakfast (morning workshops), coffee breaks, and the electronic syllabus.

Designation: The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 3 *AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Problem-Based Learning Discussions (PBLDs)

The registration fee includes a continental breakfast and the electronic syllabus.

Designation: The Society of Cardiovascular Anesthesiologists designates this live activity for a maximum of 1.25 *AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Disclaimer

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

Claim Your CME

To claim CME credit, visit www.scahq.org/Education/ Evaluations to complete your 2015 SCA Annual Meeting & Workshops evaluations. You must complete the evaluations to claim your CME credit.

Photography

Please be advised that throughout the SCA Annual Meeting & Workshops, photos may be taken for use in SCA marketing materials, including the e-newsletter and SCA Facebook page. If you do not consent to be photographed, please advise the SCA staff in writing.



Make sure to follow our Scientific Program Committee Chair on Twitter @andyshaw007. Use #SCA2015 when

tweeting or posting on Facebook about the meeting.

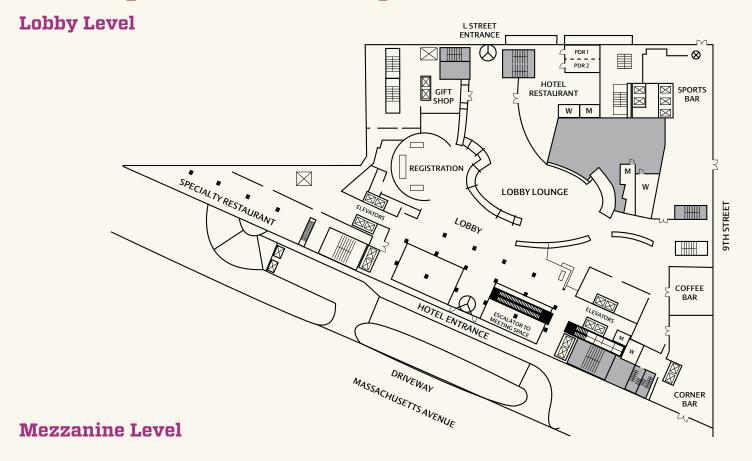
Session syllabi and learning objectives are provided to attendees through electronic media only.

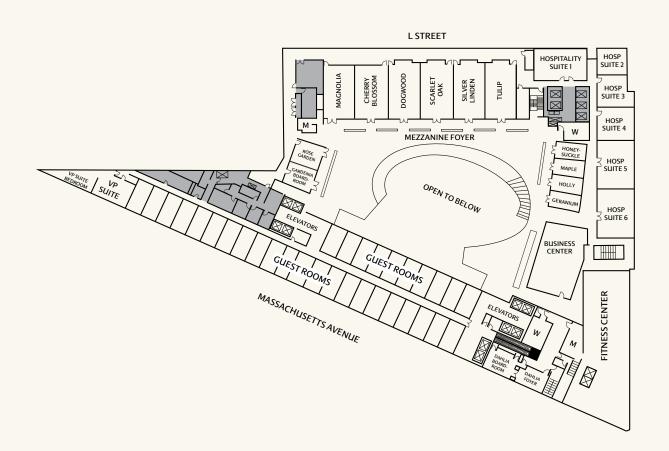




http://eventmobi.com/SCA2015 to take advantage of our mobile app.

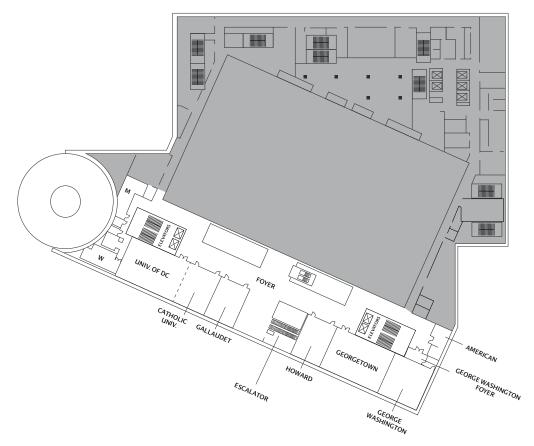
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Meeting Level 1

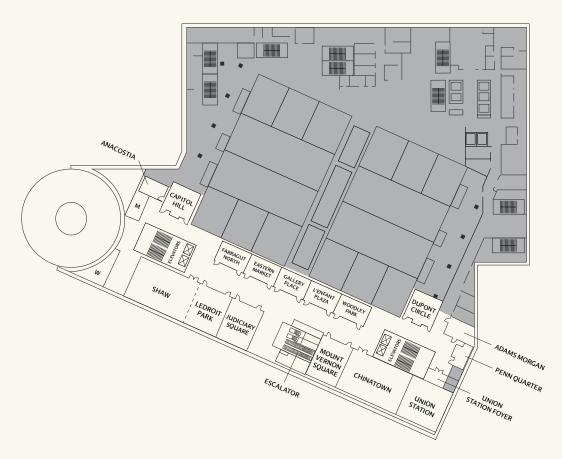


Meeting Level 2

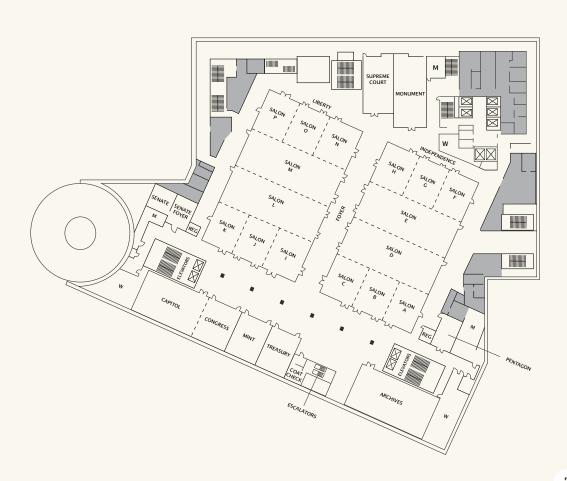


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Meeting Level 3



Meeting Level 4



Disclosures

Nature of Relationship Key

- 1. No relationship with commercial supporters
- 2. Research support
- 3. Speakers' bureau
- 4. Consultant
- 5. Stockholder

- 6. Other
- 7. Faculty member will discuss and disclose unlabeled drug uses during presentation
- 8. Client
- 9. Principal Investigator

- 10. Royalties
- 11. Advisory Board member
- 12. Board of Directors
- 13. Founder
- 14. Education

Disclosure Policy

It is the policy of the Society of Cardiovascular Anesthesiology (SCA) that the planners, faculty, and this provider disclose the existence of any significant financial interest or other relationships that they or their spouse or partner may have with the manufacturer(s) of any commercial product(s) or services relating to the topics presented in the educational activity. SCA also requires disclosure of the intent to discuss unlabeled uses of a commercial product or investigational use of a product not yet approved for this purpose. It is the responsibility of the Scientific Program Committee to review potential conflicts of interest as submitted in the disclosure form and resolve such conflicts. Resolving the conflict ensures that the content of the activity is aligned with the interests of the public. Detailed disclosure information will be made available to attendees, who will also be informed when no relevant financial relationships exist.

James H. Abernathy, III, MD MPH FASE FAHA

Associate Professor Chief, Division of Cardiothoracic Anesthesiology Department of Anesthesia and Perioperative Medicine Medical University of South Carolina Charleston, SC Disclosures: Pharmedium, 9

Abbas Al-Qamari, MD

Assistant Professor Department of Anesthesiology Feinberg School of Medicine Northwestern University Chicago, IL Disclosures: 1

Erik P. Anderson, MD

Staff Anesthesiologist University of Vermont Fletcher Allen Healthcare South Burlington, VT Disclosures: 1

Ron Angona, MS CCP

Chief Perfusionist **ECMO** Coordinator University of Rochester Medical Center Rochester, NY Disclosures: 1

Ioanna Apostolidou, MD

Associate Professor Director, Cardiothoracic Anesthesiology Fellowship Division Chief, Cardiothoracic Anesthesiology University of Minnesota Minneapolis, MN Disclosures: 1

Solomon Aronson, MD MBA **FACC FACCP FAHA FASE**

Professor Duke University School of Medicine Director Business Development Duke Private Diagnostic Clinic Executive Vice Chairman,

Department of Anesthesiology **Duke University** Durham, NC

Disclosures: the medicine company, 4

John G. Augoustides, MD FASE **FAHA**

Associate Professor Director, Transcatheter Aortic Valve Replacement Anesthesiology and Critical Care Perelman School of Medicine University of Pennsylvania Philadelphia, PA Disclosures: 1

Jae-Hyon Bahk, MD PhD

Department of Anesthesiology Seoul National University Hospital Seoul, Korea Disclosures: Edwards Lifesciences Korea, 4

Daniel Bainbridge, MD FRCPC

Associate Professor Department of Anesthesiology and Perioperative Medicine Western University Canada London, ON, Canada Disclosures: 1

Dalia Banks, MD FASE

Associate Clinical Professor University of California San Diego Director, Cardiothoracic Anesthesiology Fellowship Division Chief, Cardiothoracic Anesthesiology Clinical Director, Sulpizio CVC and PTU San Diego, CA Disclosures: 1

Julian Barker, MD MBChB MRCP FRCA FFICM

Director of ECMO & Lead Clinician for Cardiothoracic Critical Care and Cardiothoracic Anesthesia University Hospital of South Manchester Wythensawe, United Kingdom

Karsten Bartels, MD

Disclosures: 1

Assistant Professor, Anesthesiology and Surgery Department of Anesthesiology University of Colorado Denver Denver, CO Disclosures: 1

Wendy K. Bernstein, MD MBA

Associate Professor Department of Anesthesiology Director, Simulation Program Director, Cardiothoracic Anesthesia Fellowship Program University of Maryland School of Medicine Baltimore, MD Disclosures: Astra Zeneca, 6

Julian Stephens Bick, MD

Assistant Professor, Clinical Anesthesiology Division of Adult Cardiothoracic Anesthesiology Department of Anesthesiology Vanderbilt University Medical Center Nashville, TN Disclosures: 1

Mary Beth Brady, MD FASE

Director, Intraoperative TEE Program Johns Hopkins University School of Medicine Baltimore, MD

Disclosures: 1

Tara Brakke, MD FASE

Chief, Division of Cardiovascular Anesthesiology Director, Cardiothoracic Anesthesiology Fellowship University of Nebraska Medical Center Omaha, NE Disclosures: 1

Jeffrey A. Brinker, MD FACC **FSCAI**

Johns Hopkins University Baltimore, MD Disclosures: 1

Marek Brzezinski, MD PhD

Associate Professor Department of Anesthesia and Perioperative Care University of California, San Francisco San Francisco, CA Disclosures: Grifols, 3

Mark A. Chaney, MD

Professor

Director, Cardiac Anesthesia Program Director, Adult Cardiothoracic Fellowship Department of Anesthesia and Critical Care

University of Chicago Chicago, IL Disclosures: 1

Lakhmir Chawla, MD

Chief, Division of Intensive Care Medicine

U.S. Department of Veterans Affairs Washington, DC

Disclosures: Abbvie, 4; Astute Medical, 4; Alere Medical, 4; La Jolla Pharmaceutical, 4; Pfizer, 4; Bard Medical, 4; Nxstage Medical, 4; Baxter Medical, 4

Yee Eot Chee, MBBS MHA MA FANZCA FHKAM PGDipECHO PTEeXAM ASCeXAM

Honorary Clinical Associate Professor Consultant Queen Mary Hospital Hong Kong University Pok Fu Lam, Hong Kong Disclosures: 1

Davy Cheng, MD MSc FRCPC FCAHS CCPE

Distinguished University Professor and Chair/Chief, Department of Anesthesia and Perioperative Medicine

Professor, Critical Care Division Department of Medicine Western University London, ON, Canada Disclosures: 1

Albert T. Cheung, MD

Professor

Department of Anesthesiology
Division Chief, Cardiothoracic
Anesthesiology
Program Director, Adult
Cardiothoracic Anesthesiology
Stanford University School of
Medicine

Stanford, CA

Disclosures: Covidien, 4; Uptodate, 6

Sophia Chew, MMED (Anaes) MBBS FANZCA

Senior Consultant Department of Anesthesiology Singapore General Hospital Singapore Disclosures: 1

Y-F Chow, MD MBBS FANZCA FHKCA FHKAM PG Dip Echo MSc

Doctor Queen Elizabeth Hospital Kowloon Central Cluster, Hospital Authority

Kowloon, Hong Kong Disclosures: 1

C. David Collard, MD MS

Professor and Chief, Anesthesia Baylor St. Luke's Medical Center Texas Heart Institute Houston, TX

Disclosures: 1

R. Lebron Cooper, MD

Professor, Anesthesiology Wayne State University School of Medicine

Director, Clinical Operations, Structural Heart Disease Catheterization Labs

Interim Chief, Cardiovascular Anesthesiology

Chief, Research and Quality Assurance

Department of Anesthesiology Henry Ford Hospital

Detroit, MI Disclosures: 1

William (Skip) C. Culp, Jr., MD FASE

Professor

Department of Anesthesiology Scott & White Hospital

The Texas A&M University System Health Science Center College of Medicine

Temple, TX Disclosures: Self, 6

Ellen M. Dailor, MD

Director, Cardiac Anesthesiology Division

Director, Cardiothoracic
Anesthesiology Fellowship
Department of Anesthesiology
University of Rochester School of
Medicine and Dentistry
Rochester, NY

Rochester, NY Disclosures: 1

David J. Daly, MBBS FANZCA MClinEpi Staff Anaesthetist

Alfred Hospital
Senior Lecturer
Monash University
Melbourne, Victoria, Australia
Disclosures: Neurosave Inc., 2;
Slater and Gordon Lawyers,
6; Stringer Clark Lawyers, 6;
Maurice Blackburn Lawyers, 6;
Holding Redlich Lawyers, 6

Subid Ranjan Das, MBBS FRCA FFARCSI FHKCA FHKAM (Anaes)

Doctor/Consultant
Chief of Service, Department of
Cardiothoracic Anaesthesia
Queen Mary Hospital
Hong Kong, SAR China
Disclosures: 1

Laurie Davies, MD

Associate Professor Anesthesiology and Surgery University of Florida Gainesville, FL Disclosures: 1

Robert J. Deegan, MB BCh PhD

Associate Professor, Clinical Anesthesiology Vanderbilt University Medical Center Nashville, TN

Nashville, 1N Disclosures: 1

J. Mauricio Del Rio, MD

Assistant Professor, Anesthesiology Division of Cardiothoracic Anesthesiology and Critical Care Medicine

Department of Anesthesiology Duke University School of Medicine Duke University Medical Center Durham, NC

Disclosures: 1 Georges Desiardins, MD

FRCPC FASE
Associate Professor
University of Montreal
Department of Anesthesiology
Montreal Heart Institute
Montreal, QC, Canada
Disclosures: 1

Frank C. Detterbeck, MD

Professor and Chief, Thoracic Surgery Yale University School of Medicine New Haven, CT Disclosures: Lily Oncology, 3; Medela, 4

Stefan J. M. Dieleman, MD

Cardiac Anesthesiologist
Department of Anesthesiology,
Intensive Care, and Emergency
Medicine

University Medical Center Utrecht Utrecht, Netherlands Disclosures: 1

James A. DiNardo, MD

Professor, Anesthesia
Harvard Medical School
Chief, Division of Cardiac
Anesthesia
Francis X. McGowan, Jr., MD, Chair
in Cardiac Anesthesia
Boston Children's Hospital
Boston, MA
Disclosures: 1

George Djaiani, MD FRCA FRCPC

Associate Professor, Anesthesia University of Toronto Toronto General Hospital Toronto, ON, Canada Disclosures: Hospira, 9

Uriah Dudgeon, MHS CCP

Cardiovascular Perfusionist Massachusetts General Hospital Boston, MA Disclosures: 1

Andra E. Duncan, MD MS

Assistant Professor
Department of Anesthesiology
Cleveland Clinic Lerner College of
Medicine
Cleveland Clinic
Cleveland, OH
Disclosures: Fresenius Kabi, 9

Michael P. Eaton, MD

Denham S. Ward Professor and Chair of Anesthesiology University of Rochester School of Medicine and Dentistry Rochester, NY Disclosures: 1

Balthasar Eberle, MD

Associate Professor
Director, Cardiovascular Anesthesia
Department of Anesthesiology and
Pain Medicine
Inselspital, Bern University Hospital
Bern, Switzerland
Disclosures: 1

Joerg Ender, MD

Director

Department of Anesthesiology and Intensive Care Medicine Heart Center, Leipzig University Leipzig, Germany Disclosures: 1

Stephen A. Esper, MD MBA

Assistant Professor, Anesthesiology University of Pittsburgh Pittsburgh, PA Disclosures: 1

Adam S. Evans, MD MBA

Assistant Professor Icahn School of Medicine at Mount Sinai New York, NY Disclosures: 1

Stephanie Fischer, MB BCh FCA(SA)

Dunkeld Anesthetic Practice Johannesburg, South Africa Disclosures: 1

David C. Fitzgerald, BS CCP

Cardiac, Vascular & Thoracic Surgical Associates, PC Bristow, VA Disclosures: 1

Amanda A. Fox, MD MPH

Associate Professor University of Texas Southwestern Medical Center Dallas, TX

Disclosures: 1

John A. Fox, MD
Assistant Professor, Anesthesiology
Harvard Medical School
Director Intropporative Ultrasound

Director, Intraoperative Ultrasound Assistant Director, Cardiac Anesthesiology

Department of Anesthesiology, Perioperative and Pain Medicine

Brigham and Women's Hospital Boston, MA Disclosures: 1

Carlos Galhardo, Jr., MD

Chief, Anesthesiology Department Unimed Rio Hospital Consultant Anesthesiologist National Institute of Cardiology Rio de Janeiro, Brazil Disclosures: 1

Brian J. Gelfand, MD FACS

Chief Intensivist
Cardiovascular Intensive Care Unit
University of Florida
Gainesville, FL
Disclosures: 1

Kam Ghadimi, MD

Assistant Professor CT Anesthesia and Critical Care Duke University School of Medicine Durham, NC Disclosures: 1

Mo Ghotbi, MD

Chief, Cardiovascular Anesthesiology Kaiser Foundation Hospital San Francisco, CA Disclosures: 1

Tony Gin, MD

Chair, Department of Anesthesia & Intensive Care Chinese University of Hong Kong Hong Kong Disclosures: 1

Kathryn Glas, MD MBA FASE

Professor, Anesthesiology Director, Cardiothoracic Anesthesiology Emory University School of Medicine Atlanta, GA Disclosures: LWW, 10

Donna Greenhalgh, MBChB FRCA FFICM

Consultant, Cardiothoracic
Anaesthesia and Intensive Care
University Hospital of South
Manchester
Manchester, UK
Disclosures: 1

David Grenda, MD PhD

Department of Anesthesiology Emory University Disclosures: 1

Hilary P. Grocott, MD FRCPC FASE

Professor
Departments of Anesthesiology,
Perioperative Medicine, and
Surgery
University of Manitoba
Winnipeg, MB, Canada

Michael P. W. Grocott, MBBS MD BSc FRCA FRCP FFICM

Disclosures: 1

Professor, Anaesthesia and Critical Care Medicine University of Southampton Southampton, UK Disclosures: 1

Robert C. Groom, CCP MS

Director, Cardiovascular Perfusion Maine Medical Center Portland, ME Disclosures: 1

Wendy L. Gross, MD MHCM

Assistant Professor, Anesthesiology Brigham and Women's Hospital Boston, MA Disclosures: 1

Fabio Guarracino, MD

Head, Department of Anaesthesia and Critical Care Medicine Director, Cardiothoracic Anaesthesia and Intensive Care Azienda Ospedaliero Universitaria Pisana Pisa, Italy Disclosures: 1

Jacob T. Gutsche, MD

Assistant Professor Perelman School of Medicine University of Pennsylvania Philadelphia, PA Disclosures: 1

Kevin W. Hatton, MD FCCM

Chief, Division of Anesthesiology Critical Care Medicine Associate Professor, Anesthesiology and Surgery University of Kentucky College of Medicine Lexington, KY Disclosures: 1

Nina C. Hauck-Weber, PhD

Department of Anesthesiology Laboratory of Experimental Intensive Care and Anesthesiology L.E.I.C.A University of Amsterdam (AMC) Amsterdam, Netherlands Disclosures: 1

Paul M. Heerdt, MD PhD FCCP

Professor, Anesthesiology and Pharmacology Weill Cornell Medical College New York, NY Disclosures: Cheetah Medical, 9; Dolphys/Ventinova, 9

Hugh Hemmings, MD PhD FRCA

Joseph F. Artusio Professor and Chair, Anesthesiology Professor, Pharmacology Weill Cornell Medical College Anesthesiologist-in-Chief NewYork-Presbyterian Hospital/ Weill Cornell New York, NY Disclosures: Elsevier, 4; Becton Dickinson, 4; Cadence, 9

Nadia Hensley, MD

Johns Hopkins University Baltimore, MD Disclosures: 1

Antonio Hernandez, MD

Associate Professor, Clinical
Anesthesiology
Division of Critical Care
Medicine & Cardiothoracic
Anesthesiology
VUMC Department of
Anesthesiology
Nashville, TN
Disclosures: 1

Eugene A. Hessel, II, MD FACS

Professor, Anesthesia, Surgery (Cardiothoracic), Neurosurgery, and Pediatrics University of Kentucky College of Medicine Lexington, KY Disclosures: 1

Laureen L. Hill, MD MBA

Professor and Chair, Department of Anesthesiology Emory University School of Medicine Atlanta, GA Disclosures: 1

Steven E. Hill, MD

Professor, Anesthesiology
Division Chief, Cardiothoracic
Anesthesiology and Critical Care
Medical Codirector, Clements
University Hospital
Cardiovascular ICU
University of Texas Southwestern
Medical Center
Dallas, TX
Disclosures: 1

Jonathan Ho, MD

Associate Professor,
Anesthesiology
Cochief, Cardiac Anesthesiology
Director of Perioperative
Echocardiography
University of California, Los Angeles
Los Angeles, CA
Disclosures: 1

Charles W. Hogue, MD

Professor, Anesthesia and Critical Care Johns Hopkins University School of Medicine Baltimore, MD Disclosures: Covidien, 9; CSL Behring, 4; Grifols, 11; Ornim, 11

Kimberly Howard-Quijano, MD MS

Assistant Clinical Professor,
Anesthesiology
Cochief, Cardiothoracic
Anesthesiology
Associate Director, Cardiovascular
Research
David Geffen School of Medicine
at UCLA
Los Angeles, CA
Disclosures: 1

Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu

Head, Department of
Cardiothoracic Anaesthesia
National Heart Centre, Singapore
Senior Consultant and
Director, Cardiothoracic
Anesthesia Service
Department of Anaesthesiology
Singapore General Hospital
Professor
Office of Education
Duke-NUS Graduate Medical
School
Singapore
Disclosures: 1

Eric Jacobsohn, MBChB MHPE FRCPC

Professor and Head, University of Manitoba Department of Anesthesia Medical Director, WRHA Anesthesia Program University of Manitoba

Winnipeg, MB, Canada

Disclosures: 1

Gregory M. Janelle, MD FASE

Associate Professor,

Anesthesiology and Surgery Chief, Division of Cardiothoracic Anesthesia

University of Florida College of Medicine

Gainesville, FL Disclosures: 1

Srdjan Jelacic, MD

University of Washington Seattle, WA Disclosures: 1

Yunseok Jeon, MD

Associate Professor, Anesthesiology Seoul National University Hospital Seoul, Korea Disclosures: 1

Philip Jones, MD MSc (Clin Trials) FRCPC

Associate Professor University of Western Ontario London, ON, Canada Disclosures: 1

Ravi Vivekanand Joshi, MD

Associate Professor,
Anesthesiology
University of Texas Southwestern
Medical Center
Dallas, TX
Disclosures: 1

Suhaini Kadiman, MD

Deputy Head of Department Director, Clinical Research Adjunct Professor, Cardiovascular Engineering National Heart Institute Kuala Lumpur, Malaysia Disclosures: 1

Keyvan Karkouti, MD FRCPC MSc

Associate Professor
Department of Anesthesia
University Health Network
Toronto General Hospital
University of Toronto
Toronto, ON, Canada
Disclosures: Octapharma, 9; Baxter,
9; TEM, 9; Helena, 9; CSL
Behring, 6; Octapharma, 11

Jason D. Kennedy, MD

Assistant Professor, Anesthesiology and Critical Care Medicine Department of Anesthesiology Vanderbilt Nashville, TN Disclosures: 1

Andrew Klein, MD FRCA

Consultant, Anaesthesia and Intensive Care Papworth Hospital Cambridge, UK Disclosures: Brightwake UK Ltd, 9; CSL Behring, 9; Covidien, 3

Matthew A. Klopman, MD FASE

Emory University School of Medicine Disclosures: 1

Colleen Koch, MD MS MBA FACC

Mark C. Rogers Professor,
Anesthesiology
Chair, Department of
Anesthesiology and Critical
Care Medicine
Johns Hopkins Medicine
Baltimore, MD
Disclosures: 1

Logan Kosarek, MD

Staff Anesthesiologist Ochsner Medical Center New Orleans, LA Disclosures: 1

Priya A. Kumar, MD

Professor, Anesthesiology University of North Carolina at Chapel Hill Chapel Hill, NC Disclosures: 1

Jonathan D. Leff, MD

Chief, Cardiothoracic
Anesthesiology
Director, Cardiothoracic Anesthesia
Fellowship
Associate Professor, Clinical
Anesthesiology
Montefiore Medical Center
Bronx, NY
Disclosures: Casmed Systems, 4

Sophia ANG Bee Leng, MD

Senior Consultant Anaesthesia Department National University Hospital Singapore Singapore Disclosures: 1

Jerrold H. Levy, MD FAHA FCCM

Professor, Anesthesiology Associate Professor, Surgery Codirector, Cardiothoracic ICU Duke University School of Medicine Durham, NC

Disclosures: Boehringer-Ingelheim, 6; CSL Behring, 6; Grilfols, 6; Janssen, 11; Portola, 11

Marc Licker, MD

Professor, Faculty of Medicine
University of Geneva
Director of Cardiovascular,
Thoracic, and Emergency
Anesthesia
University Hospital Geneva
Geneva, Switzerland
Disclosures: 1

Martin J. London, MD

Professor, Clinical Anesthesia University of California, San Francisco San Francisco, CA Disclosures: 1

James J. Lynch, MD

Assistant Professor, Anesthesiology Mayo Clinic Rochester, MN Disclosures: 1

Michael J. Mack, MD

Baylor Scott & White Health Plano, TX Disclosures: 1

G. Burkhard Mackensen, MD PhD FASE

Chief, Division of Cardiothoracic Anesthesiology UW Medicine Research and Education Endowed Professor, Anesthesiology Adjunct Professor, Medicine Department of Anesthesiology and

Pain Medicine University of Washington Medicine Regional Heart Center (RHC)

University of Washington Seattle, WA Disclosures: 1

Aman Mahajan, MD PhD

Professor and Chair, Anesthesiology David Geffen School of Medicine at UCLA Los Angeles, CA Disclosures: 1

Feroze Mahmood, MD
Associate Professor,
Anesthesiology
Beth Israel Deaconess Medical
Center
Boston, MA
Disclosures: 1

Yasdet Maldonado, MD

Assistant Professor, Anesthesiology Temple University School of Medicine Allegheny Health Network Pittsburgh, PA Disclosures: 1

Jonathan B. Mark, MD

Professor, Anesthesiology Duke University Medical Center Chief, Anesthesiology Service Veterans Affairs Medical Center Durham, NC Disclosures: 1

Nicholas W. Markin, MD

Assistant Professor
Department of Anesthesia
University of Nebraska Medical
Center
Omaha, NE
Disclosures: 1

Janet Martin, PharmD PhDeq

Director, Centre for Medical
Evidence, Decision Integrity
and Clinical Impact (MEDICI)
Assistant Professor
Department of Anesthesia and
Perioperative Medicine
Department of Epidemiology and
Biostatistics
Schulich School of Medicine and
Dentistry
Western University
London, ON, Canada
Disclosures: 1

C. David Mazer, MD

Professor, Anesthesia St. Michael's Hospital University of Toronto Toronto, ON, Canada Disclosures: Thrasos Innovations, 6; Allocure Inc, 6; Fresenius Kabi, 9; CSL Behring, 6

Shay McGuinness, MBChB FRCA FANZCA FFICM

Specialist, Cardiothoracic and Vascular ICU Auckland City Hospital Auckland, New Zealand Disclosures: Baxter Healthcare, 3; Edwards lifescience, X; Fisher & Paykel Healthcare, 2

Yatin Mehta, MD MNAMS FRCA FAMS

Chairman
Medanta Institute of Critical Care &
Anesthesiology
Medanta The Medicity
Haryana, India
Disclosures: 1

Alexander Mittnacht, MD FASE

Professor, Anesthesiology
Director, Pediatric Cardiac
Anesthesia

Icahn School of Medicine at Mount Sinai

New York, NY

Disclosures: Abiomed, 3; Casmed, 3; Manual Surgical, 4

K. Annette Mizuguchi, MD PhD MMSc

Assistant Professor Brigham and Women's Hospital Boston, MA

Disclosures: ptemasters.com, 5

Candice R. Montzingo, MD FASE

Associate Professor
Director of Education, Division of
Cardiothoracic Anesthesia
Department of Anesthesiology
University of Utah
Salt Lake City, UT
Disclosures: 1

Jose Mariano Soares de Moraes, MD PhD

Physician and Medical Director Hospital Monte Sinai Suprema Medical School Juiz De Fora-MG Brazil Disclosures: 1

J. Daniel Muehlschlegel, MD MMSc FAHA

Director, Cardiovascular Anesthesia Research

Associate Professor, Anesthesia Harvard Medical School Department of Anesthesiology, Perioperative and Pain Medicine Brigham and Women's Hospital Boston, MA Disclosures: 1

Discressives. 1

Chirojit Mukherjee, MD

Director, Fellowship Program and Senior Consultant Anesthesia and Intensive Care Heart Center Leipzig, Germany Disclosures: 1

Viviane G. Nasr, MD

Assistant Professor, Anesthesia Harvard Medical School Boston Children's Hospital Boston, MA Disclosures: 1

J. Prince Neelankavil, MD

Program Director, Cardiothoracic Fellowship University of California, Los Angeles Los Angeles, CA Disclosures: 1

Mark T. Nelson, MD MEd

Assistant Professor, Anesthesiology Virginia Commonwealth University Richmond, VA Disclosures: 1

Arne Neyrinck, MD PhD

Associate Professor Department of Anesthesiology University Hospital Leuven Leuven, Belgium Disclosures: Air Liquide France, 6

Alina Nicoara, MD FASE

Assistant Professor, Anesthesiology Director, Perioperative Echocardiography Duke University Medical Center Durham, NC

Disclosures: 1

Georghios (George) Nicolaou, MB BCH FRCPC Associate Professor and Chief,

Anesthesia
Director and Fellowship
Coordinator, Thoracic and
Vascular Anesthesia
Department of Anesthesia and
Perioperative Medicine
Western University
London Health Sciences Centre
Victoria Hospital

London, ON, Canada Disclosures: 1 Laura Niklason, MD

Yale University New Haven, CT

Disclosures: Humacyte, Inc, 12

Minoru Nomura, MD PhD

Professor and Director, Cardiovascular Anesthesia Tokyo Women's Medical College Shinju-Ku, Tokyo, Japan Disclosures: 1

Florian Nuevo, MD

Disclosures: 1

Nancy A. Nussmeier, MD

Massachusetts General Hospital Boston, MA Disclosures: UpToDate (Wolters

Kluwer Health), 6

Gregory A. Nuttall, MD

Professor, Anesthesiology Mayo Clinic College of Medicine Rochester, MN Disclosures: 1

Daryl Oakes, MD

Clinical Associate Professor Department of Anesthesiology, Perioperative and Pain Medicine Stanford University Medical Center Stanford, CA Disclosures: 1

E. Andrew Ochroch, MD MSCE

Associate Professor, Anesthesia, Critical Care, and Surgery University of Pennsylvania Philadelphia, PA Disclosures: 1

Makoto Ozaki, MD

Professor and Chair, Department of Anesthesiology Tokyo Women's Medical University Shinju-Ku, Tokyo, Japan Disclosures: Johnson & Johnson, Japan, 11; Masimo Japan, 11

Wendy L. Pabich, MD

Cardiac Anesthesiologist Physicians Anesthesia Service Swedish Medical Center Seattle, WA

Disclosures: Pensar Development, 13

Sarah Henrickson Parker, PhD

Director, Education and Academic Affairs

Human Factors Research Scientist National Center for Human Factors in Healthcare MedStar Health

Washington, DC Disclosures: 1

Ronald Pauldine, MD

Clinical Professor
Department of Anesthesiology and
Pain Medicine
University of Washington
Seattle, WA
Disclosures: 1

Yong G. Peng, MD PhD FASE Associate Professor,

Anesthesiology
Director, Cardiothoracic Fellowship
Program

Director, Perioperative Transesophageal Echocardiography University of Florida College of

Medicine Gainesville, FL Disclosures: 1

Albert Perrino, Jr., MD

Professor, Anesthesiology Yale School of Medicine Chief, Anesthesiology VA Connecticut Healthcare System New Haven, CT Disclosures: 1

Paul Pisklak, MD

Staff Intensivist
Cardiac Anesthesiologist
Texas Heart Institute
CHI Baylor St. Luke's Medical
Center
Houston, TX
Disclosures: 1

Andrew Pitkin, MRCP FRCA

Assistant Professor University of Florida Gainesville, FL Disclosures: 1

Mihai V. Podgoreanu, MD FASE

Associate Professor with Tenure
Chief, Division of Cardiothoracic
Anesthesia and Critical Care
Director, Perioperative Genomics
Program
Department of Anesthesiology
Duke University
Durham, NC
Disclosures: 1

Wanda M. Popescu, MD

Associate Professor
Anesthesiology
Yale University School of Medicine
New Haven, CT
Disclosures: 1

Mias Pretorius, MBChB MSCI

Associate Professor
Anesthesiology and Clinical
Pharmacology
Director, Adult Cardiothoracic
Anesthesia Fellowship
Division of Cardiothoracic
Anesthesia
Vanderbilt University School of
Medicine
Nashville, TN
Disclosures: 1

Marco Ranucci, MD FESC

Head, Cardiothoracic and Vascular Anesthesia and ICU Department IRCCS Policlinico San Donato Milan, Italy Disclosures: CSL Behring, 3; Sorin Group, 4; Medtronic Inc, 3; Roche Diagnostics, 3; Grifols SA, 3

Srikantha Rao, MBBS MD MS

Associate Professor
Anesthesiology
Division Director, Cardiac and
Vascular Anesthesia
Program Director, Adult
Cardiothoracic Anesthesia
Fellowship
PennState College of Medicine
Milton S. Hershey Medical Center
Hershey, PA
Disclosures: 1

Scott T. Reeves, MD MBA FACC FASE

President, Society of Cardiovascular Anesthesiologists The John E. Mahaffey, MD,

Professor and Chairman Anesthesia and Perioperative

Medicine
Medical University of South Carolina
Charleston, SC

Charleston, SC

Disclosures: 1

Disclosures: 1

Matthias L. Riess, MD PhD

Professor Department of Anesthesiology Vanderbilt University Staff Anesthesiologist TVHS VA Medical Center Nashville, TN

J. Devin Roberts, MD

Assistant Professor, Anesthesiology Department of Anesthesiology and Critical Care Medicine University of Chicago Medical Center Chicago, IL Disclosures: 1

Michael F. Roizen, MD

Chief Wellness Officer Cleveland Clinic Cleveland, OH Disclosures: Other, 11

Peter M. J. Rosseel, MD

Anesthesiologist
Amphia Hospital
Breda, Netherlands
President, European Association
of Cardiothoracic
Anaesthesiologists
Department of Anaesthesia and
Intensive Care
Disclosures: 1

Kathryn Rouine-Rapp, MD

Professor, Anesthesia University of California, San Francisco San Francisco, CA Disclosures: 1

Colin Royse, MD MBBS FANZCA

Professor, Anaesthesia University of Melbourne Melbourne, Victoria, Australia Disclosures: Heartweb Pty Ltd, 5; iTEACHU PTY LTD, 5

Michael Sander, MD

Vice Chair, Department of
Anesthesiology and Intensive
Care Medicine
Charité-Universitätsmedizin Berlin
Berlin, Germany
Disclosures: Pulsion Medical
Systems, 3; Edwards Life
Sciences, 3; Pulsion Medical
Systems, 9; Edwards Life
Sciences, 9

Robert M. Savage, MD FACCVice Chair, Department of

Cardiothoracic Anesthesia
Head, Sections of Perioperative
Echocardiography
Chair, Critical Response and
Resuscitation
Anesthesiology Institute, Heart &
Vascular Institute
Cleveland Clinic
Cleveland, OH
Disclosures: 1

Peter Schulman, MD

Associate Professor
Department of Anesthesiology and
Preoperative Medicine
Oregon Health & Science
University
Portland, OR
Disclosures: Boston Scientific, 9

Manfred D. Seeberger, MD

Professor Anesthesia and Intensive Care University of Basel Head of Anesthesia, Klinik Hirslanden Zurich Zurich, Switzerland Disclosures: 1

Patricia C. Seifert, MSN RN FAAN

Educator, Cardiovascular Operating Room Inova Heart and Vascular Institute Falls Church, VA Disclosures: 1

Jack Shanewise, MD FASE

Professor Anesthesiology Columbia University Medical Center New York, NY Disclosures: 1

Kenneth G. Shann, CCP

Director, Perfusion Services Massachusetts General Hospital Boston, MA Disclosures: 1

Andrew D. Shaw, MB FRCA FCCM

Professor and Chief
Division of Cardiothoracic
Anesthesiology
Vanderbilt University Medical
Center Department of
Anesthesiology
Nashville, TN
Disclosures: Baxter, 4; Thrasos, 11;
Covidien, 11; Astute, 11

Stanton K. Shernan, MD FAHA FASE

Professor, Anesthesia
President, National Board of
Echocardiography
Director, Cardiac Anesthesia
Brigham and Women's Hospital
Harvard Medical School
Boston, MA

Disclosures: e-echocardiography.com, 6; Philips Healthcare,Inc., 6

Sasha K. Shillcutt, MD FASE

Associate Professor
Director, Perioperative
Echocardiography
Director, Clinical Research
Department of Anesthesiology
University of Nebraska Medical
Center
Omaha, NE

Disclosures: E-Echocardiography, 4

Douglas C. Shook, MD FASE

Assistant Professor, Anesthesia Harvard Medical School Director, Cardiothoracic Anesthesiology Fellowship Director, Interventional Cardiac Anesthesia Department of Anesthesiology,

Perioperative and Pain Medicine Brigham and Women's Hospital Boston, MA

Disclosures: Edwards Lifesciences, 14; Sorin Group, 14; St Jude Medical, 14

Linda Shore-Lesserson, MD FAHA FASE

Professor
Anesthesiology
Hofstra Northshore-LIJ School of
Medicine
Director, Cardiovascular
Anesthesiology
Northshore-LIJ Medical Center
New Hyde Park, NY
Disclosures: Grifols, 4; Elcam
Medical, 4; Haemonetics, 3

George Silvay, MD PhD

Professor
Department of Anesthesiology
Icahn School of Medicine at Mount
Sinai
New York, NY
Disclosures: 1

Saket Singh, MD

Vice Chair for Quality
Department of Anesthesia
Allegheny Health Network
Clinical Assistant Professor
Temple University School of
Medicine
Pittsburgh, PA
Disclosures: 1

Nikolaos J. Skubas, MD FASE DSc

Professor Clinical Anesthesiology and Cardiothoracic Surgery Director, Cardiac Anesthesia Attending Anesthesiologist Weill Cornell Medical College New York, NY Disclosures: 1

Robert N. Sladen, MBChB FCCM

Professor and Executive Vice Chair College of Physicians and Surgeons Columbia University New York, NY Disclosures: 1

Roman Sniecinski, MD FASE

Associate Professor, Anesthesiology Fellowship Program Director, Adult Cardiothoracic Anesthesiology Emory University School of Medicine Atlanta, GA Disclosures: Covidien, 9; Grifols, 11 Grifols, 9; ViroPharma, 9

Gautam Sreeram, MD

Assistant Professor Anesthesiology Emory University School of Medicine Atlanta, GA Disclosures: 1

Mark Stafford-Smith, MD CM FRCPC FASE

Professor
Anesthesiology
Vice Chair, Education
Director, Adult Cardiothoracic
Anesthesiology Fellowship
Department of Anesthesiology
Duke University Medical Center
Durham, NC
Disclosures: 1

Michele L. Sumler, MD

Assistant Professor Emory University School of Medicine Atlanta, GA Disclosures: 1

Sugantha Sundar, MD

Assistant Professor
Anesthesia
Beth Israel Deaconess Medical
Center
Boston, MA
Disclosures: 1

Thoralf M. Sundt, III, MD

Chief, Division of Cardiac Surgery Massachusetts General Hospital Edward D. Churchill Professor of Surgery

Harvard Medical School Boston, MA Disclosures: 1

Madhav Swaminathan, MD

Associate Professor Anesthesiology Clinical Director, Cardiothoracic Anesthesiology Duke University Medical Center Durham, NC Disclosures: 1

Justiaan Swanevelder, MBChB MMed(Anes) FCA(SA) FRCA

Professor Head, Department of Anaesthesia University of Cape Town Cape Town, South Africa Disclosures: Did not disclose

Kenichi Tanaka, MD

Professor Director, Cardiac Anesthesiology Division of Cardiothoracic Anesthesiology University of Maryland School of Medicine Baltimore, MD Disclosures: Grifols, 9; TEM Systems, 4; Octapharma, 4

Bradley S. Taylor, MD MPH

Director, Coronary Revascularization University of Maryland Medical Center Baltimore, MD Disclosures: Medtronic, 3

Mark A. Taylor, MD FASE

Associate Professor Chief, Anesthesia Forbes Hospital Allegheny Health Network Pittsburgh, PA Disclosures: 1

Nelson L. Thaemert, MD

Disclosures: 1

Assistant Program Director, Cardiothoracic Anesthesiology Fellowship Department of Anesthesiology, Pain, and Perioperative Medicine Brigham and Women's Hospital Boston, MA

Walker Thomas, BA RDCS FASE

Instructor, School of Medicine Department of Anesthesiology University of Nebraska Medical Center

Omaha, NE Disclosures: 1

Annemarie Thompson, MD

Professor Anesthesiology and Medicine Director, Residency Program Department of Anesthesiology Division of Cardiothoracic Anesthesiology **Duke University** Durham, NC Disclosures: 1

Daniel A. Tolpin, MD Assistant Professor

Anesthesiology Assistant Director Associate Program Director, Cardiothoracic Anesthesia Fellowship Division of Cardiovascular Anesthesiology Texas Heart Institute, Baylor St. Luke's Medical Center Houston, TX Disclosures: 1

Christopher A. Troianos, MD

Professor Chief, Anesthesiology West Penn Hospital Allegheny Health Network Pittsburgh, PA Disclosures: 1

Avery Tung, MD FCCM

Professor Quality Chief, Anesthesia Department of Anesthesia and Critical Care University of Chicago Chicago, IL Disclosures: Critical Care, 6; Anesthesia & Analgesia, 6

Konstantine Tzimas, MD

Assistant Professor, Anesthesiology Codirector, Adult CT Fellowship University of Rochester Rochester, NY Disclosures: 1

Ratna Vadlamudi, MD

Emory University Hospital Atlanta, GA Disclosures: 1

Joost van der Maaten, MD

Consultant,

Cardiothoracic Anesthesia and Intensive Care Section Cardiac Anesthesia Departments of Anesthesiology and Intensive Care University Medical Center Groningen Groningen, Netherlands Disclosures: 1

Diederik Van Dijk, MD

Professor Intensive Care Medicine University Medical Center Utrecht Utrecht, Netherlands Disclosures: 1

Annette Vegas, MDCM FRCPC **FASE**

Associate Professor Anesthesiology Toronto General Hospital University of Toronto, Canada Toronto, ON, Canada Disclosures: 1

Peter Von Homeyer, MD FASE

University of Washington Seattle, WA Disclosures: 1

Gebhard Wagener, MD

Associate Professor Clinical Anesthesiology Department of Anesthesiology Columbia University New York, NY Disclosures: 1

Chad E. Wagner, MD

Associate Professor Anesthesia and Critical Care Vanderbilt University Nashville, TN Disclosures: 1

Weipeng Wang, MD PhD

Professor Vice Chairman, Department of Anesthesiology Cardiovascular Institute and Fuwai Hospital National Center for Cardiovascular Diseases Peking Union Medical College Chinese Academy of Medical Sciences Disclosures: 1

Andrew Weisinger, MD FASE

Chair, Department of Cardiovascular Anesthesia Providence Hospital Columbia, SC Disclosures: 1

Ian J. Welsby, MBBS BSc FRCA

Associate Professor Anesthesiology and Critical Care Duke University Medical Center Durham, NC Disclosures: 1

George Burke Whitener, MD

Assistant Professor Medical University of South Carolina Charleston, SC Disclosures: 1

William S. Whitley, MD

Clinical Chief, Cardiothoracic Anesthesia Piedmont Hospital Decatur, GA Disclosures: 1

Justin W. Wilson, MD

Assistant Professor Anesthesiology Director, Perioperative **Echocardiography Services** University of Texas Health Science Center at San Antonio San Antonio, TX Disclosures: 1

Rick Sai-Chuen Wu, MD

Associate Professor China Medical University Hospital Taichung, Taiwan Director of Foreign Affairs and **Board Trustee** Taiwan Society of Cardiovascular Anesthesia Disclosures: 1

Josh Zimmerman, MD FASE

Associate Professor Director, Perioperative Echocardiography Director, Preoperative Clinic University of Utah Department of Anesthesiology Salt Lake City, UT Disclosures: 1

David A. Zvara, MD

Professor Chair, Department of Anesthesiology The University of North Carolina at Chapel Hill Chapel Hill, NC Disclosures: 1

International Leaders

Jae-Hyon Bahk, MD PhD (ASCA South Korea)

Yee Eot Chee, MBBS MHA MA FANZCA FHKAM PGDipECHO PTEeXAM ASCeXAM (Hong Kong)

Sophia Chew, MMED (Anaes) MBBS FANZCA(Singapore)

Y-F Chow, MD MBBS FANZCA FHKCA FHKAM PG Dip Echo MSc (Hong Kong)

David Daly, MBBS FANZCA MClinEpi (Australia)

Subid Ranjan Das, MBBS FRCA FFARCSI FHKCA FHKAM(Anaes) (Hong Kong)

Stefan J. M. Dieleman, MD (Netherlands)

Balthazar Eberle, MD (Switzerland)

Joerg Ender, MD (Germany)

Stephanie Fischer, MB BCh FCA(SA) (South Africa)

Carlos Galhardo Jr., MD (Brazil)

Tony Gin, MD (Hong Kong)

Donna Greenhalgh, MBChB FRCA FFICM (United Kingdom)

Michael P. W. Grocott, MBBS MD BSc FRCA FRCP FFICM (United Kingdom)

Fabio Guarracino, MD (Italy)

Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu (Singapore)

Yunseok Jeon, MD (South Korea)

Suhaini Kadiman, MD (ASCA Malaysia) Andrew Klein, MD FRCA (United Kingdom)

Sophia ANG Bee Leng, MD (Singapore)

Marc J. Licker, MD (Switzerland)

Yatin Mehta, MD MNAMS FRCA FAMS (India)

Shay McGuinness, MBChB FRCA FANZCA FFICM (New Zealand)

Jose Mariano Soares de Moraes, MD PhD (Brazil)

Chirojit Mukherjee, MD (Germany)

Arne Neyrinck, MD PhD (Belgium)

Minoru Nomura, MD PhD (ASCA Japan)

Florian Nuevo, MD (Philippines)

Makoto Ozaki, MD (Japan)

Marco Ranucci, MD FESC (Italy)

Peter M. J. Rosseel, MD (Netherlands/Germany)

Michael Sander, MD (Germany)

Manfred D. Seeberger, MD (Switzerland)

Justiaan Swanevelder, MBChB MMed(Anes) FCA(SA) FRCA (South Africa)

Weipeng Wang, MD PhD (ASCA China)

Rick Sai-Chuen Wu, MD (Taiwan)

Saturday, April 11

7-8 am Marquis Foyer

Continental Breakfast

8-10 am Marquis Ballroom 1-5

Opening Session

Moderator: Andrew D. Shaw, MB FRCA FCCM

8–8:05 am Welcome Remarks Andrew D. Shaw, MB FRCA FCCM

8:05–8:15 am Opening Ceremony and Presentation of Distinguished Service Award

Scott T. Reeves, MD MBA FACC FASE

8:15–8:35 am ASA Update John Abenstein, MSEE MD, ASA President

8:35–9:15 am Cardiac Surgery and Anesthesia: Past, Present, and Future Davy Cheng, MD MSc FRCPC FCAHS CCPE

9:15–10 am **Keynote:** Health, Wellness, and Professionalism *Michael F. Roizen, MD*

10-10:30 am Marquis Foyer

Morning Break

10:30 am-12:30 pm Liberty LM

The Interventional Cath Lab: When Is "Good" the Enemy of "Perfect"

Moderator: Wendy L. Gross, MD MHCM

10:30–10:50 am What Does "Inoperable" Mean? Expanding Target Populations: Collaborative Assessment

Nelson L. Thaemert, MD

10:50–11:10 am Expectations and Results: Improving Measurements, Optimizing Results, and Extending Our Reach

Douglas C. Shook, MD FASE

11:10–11:30 am When the Unpredicted Happens: Structural Surprises in the Cath Lab George Djaiani, MD FRCA FRCPC

11:30–11:50 am When Should We Just Say No? R. Lebron Cooper, MD

11:50 am–12:10 pm Collaborative Medicine and Joint Venture Finance Wendy L. Gross, MD MHCM

12:10–12:30 pm Discussion

10:30 am-12:30 pm Liberty IJK

A Potpourri of Updates in the Thoracic Cavity

Moderator: Wanda M. Popescu, MD

10:30–10:50 am Novel Approaches in the Thoracic Surgery Frank C. Detterbeck, MD

10:50–11:10 am Vats, Rats vs. Thoracotomy: Show Me the Data! E. Andrew Ochroch, MD MSCE

11:10–11:30 am Acute Lung Injury After Thoracic Surgery Marc Licker, MD

11:30–11:50 am Methods of Lung Preservation Before Transplantation Arne Neyrinck, MD PhD

11:50 am–12:10 pm The Artificial Lung: Are We There Yet? Laura Niklason, MD

12:10–12:30 pm Discussion

10:30 am-12:30 pm Marquis Ballroom 1-5

Transfusion Practice Around the World (Audience Response Session)

Moderator: Daryl Oakes, MD

10:30–10:50 am Blood Component Therapy: A Rational Approach to Transfusion Protocols *Carlos Galhardo, Jr., MD*10:50–11:10 am Evaluate and Optimize Preoperative Patient Risk Factors to Minimize Perioperative Transfusion and

Transfusion-Related Adverse Outcome C. David Mazer, MD

11:10–11:30 am Point-of-Care Testing of Coagulation: Which Tests and When? Kenichi Tanaka, MD

11:30–11:50 am Optimal Transfusion Practice: Can We Minimize Transfusion-Related Injury? Keyvan Karkouti, MD

11:50 am–12:10 pm Factor Concentrates: An Update lan J. Welsby, MBBS BSc FRCA

12:10–12:30 pm Discussion

12:30-1:30 pm Marquis Foyer & Salons 12-14

Lunch on Your Own with Exhibitors

Scientific Posters: Perioperative Medicine Abstracts

1:30-3:30 pm Liberty IJK

Adult Congenital (Structural) Heart Disease

Moderator: Gregory M. Janelle, MD FASE

1:30–1:50 pm Adult Congenital Heart Surgery in 2014 Weipeng Wang, MD PhD

1:50–2:10 pm Adult Congenital Heart Disease in the Cath Lab Minoru Nomura, MD PhD

2:10-2:30 pm	A Growing Population: Improved Outcomes and Expectations in Congenital Cardiac Anomalies
	James A. DiNardo, MD
2:30-2:50 pm	Single Ventricle Physiology: A Review Alexander Mittnacht, MD FASE
2:50-3:10 pm	Perioperative Management of the Adult Congenital Parturient Laurie Davies, MD
3:10-3:30 pm	Discussion

1:30-3:30 pm Liberty LM

Organ Crosstalk in Cardiac Surgery and Critical Care

Moderator: G. Burkhard Mackensen, MD PhD FASE

1:30–1:50 pm	Heart-Brain Cross-Talk: What Do We Need to Know? G. Burkhard Mackensen, MD PhD FASE
1:50-2:10 pm	AKI: Which Organ Interactions Are Most Relevant? Shay McGuinness, MBChB FRCA FANZCA FFICM
2:10-2:30 pm	Acute Lung Injury: Cardiopulmonary Interactions Stephanie Fischer, MB BCh FCA(SA)
2:30-2:50 pm	Brain, Heart, Lung, Kidney, Liver: Who Wins the Fight? Jerrold H. Levy, MD FAHA FCCM
2:50-3:10 pm	Heart-Liver Interactions in CT Surgery Ravi Vivekanand Joshi, MD
3:10-3:30 pm	Discussion

1:30-3:30 pm Marquis Ballroom 1-5

Pulmonary Hypertension: Pearls of Wisdom (Audience Response Session)

Moderator: Srikantha Rao, MBBS MD MS

1:30–1:50 pm	Inhaled Pulmonary Vasodilator Therapy Robert N. Sladen, MBChB FCCM
1:50-2:10 pm	Management of RV Dysfunction in Cardiac Surgery Rick Sai-Chuen Wu, MD
2:10-2:30 pm	TEE Evaluation of RV Dysfunction Alina Nicoara, MD FASE
2:30-2:50 pm	Acute Massive Pulmonary Embolism: Management of Acute RV Failure Konstantine Tzimas, MD
2:50-3:10 pm	Perioperative Implications of Severe Pulmonary HTN: What You Should Know About This High-Risk
	Surgical Population Karsten Bartels, MD
3:10-3:30 pm	Discussion

3:30-4 pm Afternoon Break Marquis & Liberty Foyers

Liberty IJK

4-6 pm Global Finance in Perioperative Cardiovascular Care

Moderator: Davy Cheng, MD MSc FRCPC FCAHS CCPE

4–4:20 pm	ObamaCare: AHA/ACC Cardiac Surgeon's Perspective Michael J. Mack, MD
4:20-4:40 pm	ObamaCare: Cardiac Anesthesiologist's Perspective Solomon Aronson, MD MBA FACC FACCP FAHA FASE
4:40–5 pm	European Perspective Peter M. J. Rosseel, MD
5–5:20 pm	Australian Perspective David Daly, MBBA FANZCA MClinEpi
5:20-5:40 pm	Asian Perspective Subid Ranjan Das, MBBS FRCA FFARCSI FHKCA FHKAM (Anaes)
5:40-6 pm	Discussion

4-6 pm Liberty LM

Perioperative Echocardiography in Heart Failure Patients

Moderator: Christopher A. Trojanos, MD

	,
4–4:20 pm	Assessment of Right Heart Failure with TEE Manfred D. Seeberger, MD
4:20-4:40 pm	The Anesthesiologist's Guide to Diastolic Heart Failure Justiaan Swanevelder, MBChB MMed(Anes)
	FCA(SA) FRCA
4:40–5 pm	New Surgical Treatment Options for Right Heart Failure Sasha K. Shillcutt, MD FASE
5–5:20 pm	Echocardiographic Approach to LVAD Insertion Julian Stephens Bick, MD
5:20–5:40 pm	Bridge to Noncardiac Surgery: How to Manage LVADs Outside the Cardiac Suite Candice R. Montzingo, MD
5:40–6 pm	Discussion
•	

4-6 pm Marquis Ballroom 1-5

3D TEE Is for Everybody (Audience Response Session)

Moderator: Alina Nicoara, MD FASE

4–4:20 pm	Integrating 3D TEE in the OR Workflow Douglas C. Shook, MD FASE	
4:20-4:40 pm	Case Study: The Role of 3D TEE in TAVR Joerg Ender, MD	
4:40–5 pm	-5 pm Case Study: 3D TEE in Functional MR Daniel Bainbridge, MD FRCPC	
5–5:20 pm	Case Study: 3D TEE in Degenerative Mitral Valve Disease Georges Desjardins, MD	
5:20-5:40 pm	Case Study: Myocardial Deformation by 3D TEE Aman Mahajan, MD PhD	
5:40–6 pm	Discussion	

Sunday, April 12

7-8 am Marquis Foyer

Continental Breakfast

8-9:30 am Marquis Ballroom 1-5

Revascularization Conference: PCI vs. OPCAB vs. CABG

Moderator: Linda Shore-Lesserson, MD FAHA FASE

8–8:25 am PCI Is Best Jeffrey A. Brinker, MD FACC FSCAI
8:25–8:50 am OPCAB Is Best Yatin Mehta, MD MNAMS FRCA FAMS
8:50–9:15 am CABG Is Best Michael J. Mack. MD

9:15–9:30 am Panel Discussion

9:30-10:30 am Marquis Foyer

Morning Break

10:30 am-12:30 pm Liberty IJK

Perioperative Organ Protection: Role of Translational and Clinical Research

Moderator: C. David Collard, MD MS

10:30–10:50 am
10:50–11:10 am
11:10–11:30 am
11:30–11:50 am
11:50 am–12:10 pm
12:10–12:30 pm
Evidence-Based Neuroprotection in Cardiac Surgery Hilary P. Grocott, MD FRCP FASE
Role of Big Data in Perioperative Organ Protection Stefan J. M. Dieleman, MD
Does Genetic Variation Contribute to Perioperative Morbidity? J. Daniel Muehlschlegel, MD MMSc FAHA
How Can We Protect the Kidneys During Cardiac Surgery? Shay McGuinness, MBChB FRCA FANZCA FFICM
Myocardial Protection: Insights from Cross-Species Research Mihai V. Podgoreanu, MD FASE
Discussion

10:30 am-12:30 pm Marquis Ballroom 1-5

Perioperative Management of Cardiac Implantable Electrical Devices (Audience Response Session)

Moderator: Douglas C. Shook, MD FASE

10:30–10:50 am
10:50–11:10 am
Cuidelines for Perioperative Management of CIEDs Mias Pretorius, MBChB MSCl
11:10–11:30 am
As, Vs, Ds, Bi-Vs, and ICDs: Review of Cardiac Implantable Electrical Devices Annemarie Thompson, MD
11:30–11:50 am
Pro-Con Debate: Pro—Anesthesiologists Should Learn to Interrogate CIEDs Peter Schulman, MD
Pro-Con Debate: Con—Anesthesiologists Should Not Be Responsible for Interrogating Permanently Implantable Devices Aman Mahajan, MD PhD
12:10–12:30 pm
Discussion

10:30 am-12:30 pm Liberty LM

Coagulation Challenges in Cardiovascular Anesthesia

Moderator: Priya A. Kumar, MD

10:30–10:50 am
10:50–11:10 am
10:50–11:10 am
11:10–11:30 am
11:30–11:50 am
11:50 am–12:10 pm
12:10–12:30 pm

TEG/ROTEM: What Do I Need to Know and Is It of Any Real Use? *C. David Mazer, MD*Antifibrinolytics: Should We Reconsider Aprotinin? *Jose Mariano Soares de Moraes, MD PhD*Topical Pro-Coagulants *Ian J. Welsby, MBBS BSc FRCA*Role of Factor 7 in Massive Transfusion. Better Late than Never? *Kenichi Tanaka, MD*Anti-Platelet Agents and Cardiac Anesthesia: Quo Vadis? *Jerrold H. Levy, MD FAHA FCCM*Discussion

12:30-1:30 pm

Lunch and Grand Opening of Exhibits

Scientific Posters: Basic Science, CV Anesthesia, Coagulation, Structural Heart Disease, and Thoracic Anesthesia Abstracts

1:30-3:30 pm Marquis Ballroom 1-5

Minimally Invasive Cardiac Surgery (Audience Response Session)

Moderator: Mo Ghotbi, MD

1:30–1:50 pm	Patient Selection and Anesthetic Considerations for Percutaneous Pulmonary Valve Replacement
	Andrew Pitkin, MRCP FRCA
1:50–2:10 pm	Percutaneous Mitral Surgery: Here to Stay or Gone Tomorrow? Philip Jones, MD MSc(Clin Trials) FRCPC
2:10-2:30 pm	OPCAB George Djaiani, MD FRCA FRCPC
2:30–2:50 pm	Robotic Cardiac Surgery: Long-Term Outcomes and Future Trends Gregory A. Nuttall, MD

Marquis Ballroom 6-10, Foyer, & Salons 12-14

2:50-3:10 pm

3:10-3:30 pm

Networking Reception with Exhibits

Discussion

1:30-3:30 pm	Liberty IJK
Tricuspid Valve Dis	ease: What's the Big Deal?
Moderator: Tara Brakke	, MD FASE
1:30–1:50 pm	Tricuspid Disease in Cardiac Surgery: Does It Matter? (Outcome Review) Yee Eot Chee, MBBS MHA MA FANZCA FHKAMPGDipECHO PTEeXAM ASCeXAM
1:50-2:10 pm	Triscupid Anatomy and Repair: the Basics Balthasar Eberle, MD
2:10-2:30 pm	Echo Evaluation of TR: How Bad Is It? G. Burkhard Mackensen, MD PhD FASE
2:30-2:50 pm	Tricuspid Regurgitation in the Setting of Right Heart Failure Alina Nicoara, MD FASE
2:50-3:10 pm	Moderate Triscuspid Regurgitation in Cardiac Surgery: Do We Fix? Bradley S. Taylor, MD MPH
3:10–3:30 pm	Discussion
1:30-3:30 pm	Liberty LM
Fluid Therapy in Ca	ardiovascular Surgery
Moderator: Wanda M. F	
1:30–1:50 pm	Practical Aspects of Fluid Management Albert Perrino, Jr. MD
1:50-2:10 pm	The Third Space: Fact or Fiction? Sophia Chew, MMED(Anes) MBBS FANZCA
2:10-2:30 pm	Fluid Responsiveness Is Not the Same as Fluid Deficiency: How to Tell the Difference J. Mauricio Del Rio, MD
2:30-2:50 pm	Does the Choice of Crystalloid Make a Difference? Janet Martin, PharmD PhDeq
2:50-3:10 pm	Hemoglobin-Based Oxygen Carriers Steven E. Hill, MD
3:10–3:30 pm	Discussion
3:30-4 pm	Marquis Ballroom 6-10
Afternoon Break a	nd Refreshments with Exhibits
4-6 pm	Liberty LM
	urgitation: A Comprehensive Approach
Moderator: Sasha K. Sh	
4–4:20 pm	Mitral Regurgitation (Type I) Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu
4:20–4:40 pm	Mitral Regurgitation (Type II) Minoru Nomura, MD PhD
4:40–5 pm	Mitral Regurgitation (Type III) Feroze Mahmood, MD
5–5:20 pm	Intraop MR: What the Surgeon Wants to Know Bradley S. Taylor, MD MPH
5:20–5:40 pm	The Mitral Exam: Putting It All Together Madhav Swaminathan, MD FASE
5:40–6 pm	Discussion
·	
4-6 pm	Liberty IJK
	Need Ventilators?
	enhalgh, MBChB FRCA FFICM
4–4:20 pm	Does Echocardiography Influence ECMO Management? Justiaan Swanevelder, MBChB MMed(Anes) FCA(SA) FRCA
4:20–4:40 pm	ECMO as an Alternative to Ventilation Tony Gin, MD
4:40–5 pm	How to Set Up an ECMO Service Jason D. Kennedy, MD
5–5:20 pm	Management of Bugs and Blood in ECMO Julian Barker, MD
5:20–5:40 pm	Now What? Common Problems That Arise in ECMO and How to Fix Them <i>Annette Vegas, MDCM FRCPC FASE</i>
5:40–6 pm	Discussion
4-6 pm	Marquis 1-5
SCA/STS: Guideline	es for Valvular Heart Disease (Audience Response Session)
Moderator: Stanton K. S	Shernan, MD FAHA FASE
4–4:30 pm	The Importance of the Heart Team and Heart Valve Centers of Excellence Michael J. Mack, MD
4:30–5 pm	The Impact of the AHA Guidelines for Valvular Heart Disease for Cardiac Surgery Thoralf M. Sundt, III, MD
5–5:30 pm	The Impact of the AHA Guidelines for Valvular Heart Disease for Cardiac Anesthesia <i>Nikolaos J. Skubas,</i> MD FASE DSc
5:30–6 pm	Panel Discussion
6-7 nm	Marquis Ballroom 6-10

Anesthesia for Off-Pump VAD Placement Robert J. Deegan, MBBCh PhD

Monday, April 13

Marquis Ballroom 6-10 7-8 am

Continental Breakfast with Exhibits

Marquis 1-5

FOCUS: Human Factors in the Cardiac Operating Room (Audience Response Session)

Moderators: James H. Abernathy, III, MD MPH FASE FAHA; Jonathan B. Mark, MD

Panel Members: Sarah Henrickson Parker, PhD; Patricia C. Seifert, MSN RN FAAN; Kenneth G. Shann, CCP; Douglas C. Shook, MD FASE; Thoralf M. Sundt, III, MD

This session will incorporate a panel discussion and a conversation with the audience.

10-10:30 am Marquis Ballroom 6-10

Morning Break and Coffee with Exhibits

10:30 am-12:30 pm **Liberty NOP**

Best Abstracts Session 1 Moderator: Aman Mahajan, MD PhD

Marquis 1-5 10:30 am-12:30 pm

International Perspectives on Best TAVR Practices (Audience Response Session)

Moderator: G. Burkhard Mackensen, MD PhD FASE

10:30-10:50 am Fast-Track Pathways for TAVR Patients to Reduce Cost and LOS Balthasar Eberle, MD 10:50-11:10 am Strategies for Success as the Anesthesia Leader for TAVR in the Heart Team Model Daniel Bainbridge, 11:10-11:30 am The Role of Echocardiographic Imaging for TAVR Andrew Klein, MD FRCA 11:30-11:50 am Update on the Latest TAVR Technology and Clinical Trials Chirojit Mukherjee, MD What Can Go Wrong and What to Do When It Does John G. Augoustides, MD FASE FAHA 11:50 am-12:10 pm 12:10-12:30 am Discussion

10:30 am-12:30 pm **Liberty LM**

Neuromonitoring

Moderator: Daryl Oakes, MD

10:30-10:50 am Should We Be Monitoring Depth of Anesthesia During CPB? Nelson L. Thaemert, MD 10:50-11:10 am Optimizing Cerebral Blood Flow During CPB: Monitoring Cerebral Autoregulation Suhaini Kadiman, MD 11:10-11:30 am Role of TEE and Epiaortic Scanning in Preventing Embolic Cerebrovascular Events Kathryn Glas, MD MBA FASE CNS Protection During Circulatory Arrest for Ascending Aortic Procedures Hilary P. Grocott, MD FRCP FASE 11:30-11:50 am 11:50 am-12:10 pm Spinal Cord Protection During Thoracic Aortic Procedures Albert T. Cheung, MD 12:10-12:30 am Discussion

10:30 am-12:30 pm **Liberty IJK**

Process Measures for Quality Improvement

Moderator: C. David Collard, MD MS

10:30-10:50 am Temperature Management Sophia ANG Bee Leng, MD 10:50-11:10 am Beta-Blocker Management Martin J. London, MD 11:10-11:30 am Glucose Management Andra E. Duncan, MD MS 11:30-11:50 am VTE Management Chad E. Wagner, MD 11:50 am-12:10 pm Antibiotic and Infection Management Paul Pisklak, MD

12:10-12:30 pm Discussion

12:30-1:30 pm Marquis Ballroom 6-10, **Lunch with Exhibits** Foyer, Salons 12-14

Scientific Posters: Echocardiography and Quality Improvement Abstracts

12:45-1:15 pm Marquis 1-5 **Annual Business Meeting** 1:30-3:30 pm **Liberty LM Critical Care Controversies** Moderator: Laureen L. Hill, MD MBA 1:30-1:50 pm Controversies in Defining and Determining Death in Critical Care Tony Gin, MD Is There a Place for Corticosteroid Treatment Anymore? Stefan J. M. Dieleman, MD 1:50-2:10 pm What's the Best Glucose Value for a Heart Patient? Andra E. Duncan, MD MS 2:10-2:30 pm 2:30-2:50 pm Is Low Tidal Volume Ventilation Low Enough? Ronald Pauldine, MD 2:50-3:10 pm Therapeutic Hypothermia in 2015 Avery Tung, MD FCCM 3:10-3:30 pm Discussion 1:30-3:30 pm Marquis 1-5 Enhancing Recovery (EACTA Session) (Audience Response Session) Moderator: Donna Greenhalgh, MBChB FRCA FFICM 1:30-1:50 pm Fast-Track Cardiac Surgery Joerg Ender, MD 1:50-2:10 pm Can Perioperative Fluid Balance Improve Outcome? Michael Sander, MD 2:10-2:30 pm Enhanced Recovery Decreases Surgical Morbidity Michael P. W. Grocott, MBBS MD BSc FRCA FRCP FFICM 2:30-2:50 pm Enhanced Recovery in Thoracic Surgery Donna Greenhalgh, MBChB FRCA FFICM 2:50-3:10 pm Improving and Predicting Outcomes After Cardiac Surgery Marco Ranucci, MD FESC 3:10-3:30 pm Discussion 1:30-3:30 pm **Liberty IJK International Quality Issues in Cardiac Surgery** Moderator: Saket Singh, MD 1:30-1:50 pm How to Meet Quality Mandates Sophia ANG Bee Leng, MD 1:50-2:10 pm What Is Quality? Yunseok Jeon, MD 2:10-2:30 pm How and What to Measure Marek Brzezinski, MD PhD 2:30-2:50 pm The Economics of Quality David A. Zvara, MD The Benefits of Taking Part in Database Projects James H. Abernathy, III, MD MPH FASE FAHA 2:50-3:10 pm 3:10-3:30 pm Discussion 3:30-4 pm Marquis Ballroom 6-10 **Afternoon Break and Refreshments with Exhibits Liberty IJK** 4-6 pm **Cardiopulmonary Bypass Disasters** Moderator: Wendy L. Pabich, MD 4-4:20 pm Massive Transfusion and ESRD Patients Fabio Guarracino, MD 4:20-4:40 pm Sudden Unexpected Aortic Dissection Yatin Mehta, MD MNAMS FRCA FAMS 4:40-5 pm Massive Air Embolism G. Burkhard Mackensen, MD PhD FASE 5-5:20 pm Severe Metabolic Acidosis Albert T. Cheung, MD

5:20–5:40 pm Vasoplegia and Its Management Mark Stafford-Smith, MD CM FRCPC FASE

5:40–6 pm Discussion

Monday, April 13 (continued)

4-6 pm Marquis 1-5

Super Echo

Moderators: Kathryn Glas, MD MBA FASE; Sasha K. Shillcutt, MD FASE

Panelists: Manfred D. Seeberger, MD; James A. DiNardo, MD; Stanton K. Shernan, MD FAHA FASE; Sasha K. Shillcutt, MD FASE;

Kathryn Glas, MD MBA FASE

4-4:15 pm Transesophageal Echocardiography Vector Flow Mapping Clarifies the Reasons of a Mismatch Between Preoperative Doppler Study Data and the Activities of Daily Living (ADL) of the Patient with RVOT Stenosis Combined with Patent Ductus Arteriosus and Severe Pulmonary Artery Hypertension Hirotaka Ito, MD
 4:15-4:30 pm The Value of Real-Time 3D Epicardial Echocardiography During the Ross Procedure: A Novel Approach Using a RT3D TEE Probe Marie-Eve Chamberland, MD
 4:30-4:45 pm Coronary Sinus Ostial Atresia with Unroofed Coronary Sinus Precluding Retrograde Cardioplegia Kimberly Kesner, MD
 4:45-5 pm Failed Transcatheter Sapien Tricuspid Valve-in-Valve Replacement Jeremy Bennett, MD
 5-5:15 pm Confirmation of Flow in the Left Circumflex Artery by Transesophageal Echocardiography to Avoid

Coronary Artery Surgical Revascularization Cory Maxwell
When Tubes Fly: Echo for Innovative Tricuspid Valve Reconstruction Natalie Silverton, MD

5:15–5:30 pm When Tubes Fly: Echo for Innovative Tricuspid Valve Reconstruction Natalie Silverton, MD
5:30–5:45 pm Removal of Intracardiac Thrombus in a Patient with Intracranial Hemorrhage Jennie Ngai, MD

5:45–6 pm Discussion

4-6 pm Liberty LM

Anemia and Solutions

Moderator: Donna Greenhalgh, MBChB FRCA FFICM

4–4:20 pm Jehovah's Witness Patients and Low Hb *Peter M. J. Rosseel, MD*

4:20–4:40 pm Anemia and Comorbidity: Does It Make a Difference? Colleen Koch, MD MS MBA FACC

4:40–5 pm Cell Salvage Is Beneficial in All Patients *Marco Ranucci, MD FESC*5–5:20 pm Cell Salvage Is Not Beneficial in All Patients *Jae-Hyon Bahk, MD PhD*

5:20–5:40 pm Is EPO the Answer? Joost van der Maaten, MD

5:40–6 pm Discussion

Tuesday, April 14

7-8 am Marquis Ballroom 6-10

Continental Breakfast with Exhibits

8-10 am Marquis 1-5

Earl Wynands Lecture

Moderators: Davy Cheng, MD MSc FRCPC FCAHS CCPE; Andrew D. Shaw, MB FRCA FCCM

8–8:45 am Which Is Worse for the Kidneys: Anemia or Blood Transfusion? *Keyvan Karkouti, MD* 8:45–9:30 am The Importance of the AKI to CKD Transition in Cardiac Surgery *Lakhmir Chawla, MD*

9:30–10 am Panel Discussion

10-10:30 am Marquis Ballroom 6-10

Morning Break and Coffee with Exhibits

10:30 am-12:30 pm Liberty NOP

Best Abstracts Session 2 *Moderator: Martin J. London, MD*

10:30 am-12:30 pm Liberty LM

Aortic Root to Aortic Arch Repair

Moderator: George Silvay, MD PhD

10:30–10:50 am Neuromonitoring in Aortic Arch Surgery Faculty Hilary P. Grocott, MD FRCPC FASE

10:50–11:10 am Anesthetic Considerations for Hybrid Approaches to the Aortic Arch Weipeng Wang, MD PhD 11:10–11:30 am Aortic Root Surgery: Reimplantation, Remodeling, or Replacement Brian J. Gelfand, MD FACS

11:30–11:50 am Evolving Approaches to Acute Type-A Dissections *Daryl Oakes, MD* 11:50 am–12:10 pm Perfusion Strategies for Aortic Arch Surgery *Miklos Kertai, MD PhD*

12:10–12:30 pm Discussion

10:30 am-12:30 pm Marquis 1-5 The Right Heart (Audience Response Session) Moderator: G. Burkhard Mackensen, MD PhD FASE 10:30-10:50 am The Right Heart Needs Help: What Do I Do? Y-F Chow, MD MBBS FANZCA FHKCA FHKAM PG Dip 10:50-11:10 am Echocardiographic Assessment of the RV Stephen A. Esper, MD MBA 11:10-11:30 am Tricuspid Valve Repair Versus Replacement Feroze Mahmood, MD 11:30-11:50 am How to Get the Pulmonary Pressure Right Eric Jacobsohn, MBChB MHPE FRCPC 11:50 am-12:10 pm When Right Goes Wrong: Right Ventricular Assist Device vs. ECMO Peter Von Homeyer, MD FASE 12:10-12:30 pm Discussion 10:30 am-12:30 pm **Liberty IJK** Global Approaches to Quality and Safety Moderator: Philip Jones, MD MSc(Clin Trials) FRCPC 10:30-10:50 am High-Reliability Organizations in Healthcare Florian Nuevo, MD 10:50-11:10 am Hospital Quality and Physician Performance Metrics for Cardiac Anesthesiologists Yunseok Jeon, MD 11:10-11:30 am Checklists and Cardiac Anesthesia Janet Martin, PharmD PhDeq 11:30-11:50 am How to Teach Quality Improvement to Our Trainees Mark Stafford-Smith, MD CM FRCPC FASE 11:50 am-12:10 pm Best (Safe) Practices in Cardiac Anesthesia Nancy A. Nussmeier, MD Discussion 12:10-12:30 pm 12:30-1:30 pm Marguis Ballroom 6-10, Foyer, Salons 12-14 **Dessert with Exhibits** Scientific Posters: Perioperative Medicine Abstracts and Interesting Case Reports 1:30-3:30 pm **Liberty LM Descending Thoracic Aortic Surgery** Moderator: Tara Brakke, MD FASE 1:30-1:50 pm Updates on Neuroprotection for Thoracic Aortic Procedures Jae-Hyon Bahk, MD PhD 1:50-2:10 pm Endovascular Repair: Anesthetic Management and Monitoring Recommendations Georghios (George) Nicolaou, MB BCh FRCPC Guideline Review: Indications for Surgery Nikolaos J. Skubas, MD FASE DSc 2:10-2:30 pm 2:30-2:50 pm Open Repair: Anesthetic Management and Monitoring Recommendations Albert T. Cheung, MD 2:50-3:10 pm Hemodynamic Management and End Organ Protection Josh Zimmerman, MD FASE 3:10-3:30 pm Discussion 1:30-3:30 pm **Liberty IJK** Research: How an SCA Research Award Contributed to My Career Moderator: Paul M. Heerdt, MD PhD FCCP 1:30-1:50 pm Overview of the SCA Grant Program Paul M. Heerdt, MD PhD FCCP How an SCA Grant Influenced My Career Path Matthias L. Riess, MD PhD 1:50-2:10 pm 2:10-2:30 pm My SCA Grant as a Component of a Multicenter Trial Diederik Van Dijk, MD 2:30-2:50 pm Where I Stand with My Current SCA Grant Nina C. Hauck-Weber, PhD 2:50-3:10 pm Panel: How to Get Published in the British Journal of Anesthesia Hugh Hemmings, MD PhD FRCA Panel: How to Get Published in Anesthesia and Analgesia Charles W. Hogue, MD 3:10-3:30 pm 1:30-3:30 pm Marquis 1-5 Problem Solving in Anticoagulation for CPB (Audience Response Session) Moderator: Linda Shore-Lesserson, MD FAHA FASE 1:30-1:50 pm Heparin Sensitivity and Resistance Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu 1:50-2:10 pm Heparin Dosing: Too Much, Too Little, or Just Right? David Daly, MBBA FANZCA MClinEpi 2:10-2:30 pm Alternatives to Heparin Stephen A. Esper, MD MBA

2:30–2:50 pm Heparin Induced Thrombocytopenia: Diagnosis and Management During CPB Andra E. Duncan, MD MS 2:50–3:10 pm Heparin Reversal and Protamine Reactions Yee Eot Chee, MBBS MHA MA FANZCA FHKAMPGDipECHO

PTEeXAM ASCeXAM

3:10–3:30 pm Discussion

3:30-4 pm

Marquis & Liberty Foyers

Tuesday, April 14 (continued)

4-6 pm Liberty LM

Percutaneous Valve Surgery

Moderator: Gautam Sreeram, MD

4–4:20 pm Who Needs Open-Valve Surgery Anymore? Patient Selection for Percutaneous vs. Open-Valve Procedures

Logan Kosarek, MD

4:20–4:40 pm Which and Why? Transfemoral, Transapical, and Transaortic Approaches *Ratna Vadlamudi, MD*4:40–5 pm Does My Patient Need a General Anesthetic? Options for Anesthesia in the Cath Lab and Hybrid Room

Fabio Guarracino, MD

5–5:20 pm Ensuring Successful Deployment: Echo for Percutaneous Valves Chirojit Mukherjee, MD

5:20–5:40 pm Will My Patient Wake Up and Live a Productive Life? Neurologic Outcomes and Future Areas of Investigation

Karsten Bartels, MD

5:40–6 pm Discussion

4-6 pm Liberty IJK SOCCA

Moderator: Laureen L. Hill, MD MBA

4–4:20 pm Optimizing Neuropsychological Function in the ICU Patient: OR to ICU Continuum David Grenda, MD PhD

4:20–4:40 pm Endocrine Predictors of Outcome in Critical Illness Peter Von Homeyer, MD FASE

4:40–5 pm To What End? Emerging Technologies for Organ Perfusion Assessment Gebhard Wagener, MD

5–5:20 pm Renal Replacement Therapy: Does Dose Matter? Abbas Al-Qamari, MD

5:20–5:40 pm Critical Care Articles of the Year Kevin W. Hatton, MD FCCM

5:40–6 pm Discussion

4-6 pm Marquis 1-5

Ventricular Assist Device (VAD) Update (Audience Response Session)

Moderator: J. Daniel Muehlschlegel, MD MMSc FAHA

4–4:20 pm What's New in Ventricular Support: Review of VAD Technologies Josh Zimmerman, MD FASE

4:20–4:40 pm RV Failure During LVAD Placement: Mechanisms and Management Annette Vegas, MDCM FRCPC FASE

4:40–5 pm Anesthesia for VAD Placement: Clinical Pearls Jason D. Kennedy, MD

5–5:20 pm Managing VAD Patients Undergoing Noncardiac Surgical Procedures Eugene A. Hessel, II, MD FACS

5:20–5:40 pm Total Artificial Heart K. Annette Mizuguchi, MD PhD MMSc

5:40–6 pm Discussion

Schedule: Workshops

Workshops Coordinator: Michael P. Eaton, MD

Saturday, April 11

10 am-1 pm Liberty NOP

Morning Workshop

Workshop 1: Percutaneous Valve

Moderators: Kathryn Glas, MD MBA FASE; Gautam Sreeram, MD

TAVR: Where We Are in 2015 Joerg Ender, MD

Mitral and Pulmonic Valves: State of the Art G. Burkhard Mackensen, MD PhD FASE

Optimal Imaging Modalities for Percutaneous Valves Candice R. Montzingo, MD

Controversial Topics in Anesthetic Management Brian J. Gelfand, MD FACS; Konstantine Tzimas, MD

Challenging Cases Joerg Ender, MD; Madhav Swaminathan, MD FASE

Hands-On Stations

Assessment of Percutaneous Aortic Valves Stanton K. Shernan, MD FAHA FASE; Annemarie Thompson, MD;

Fabio Guarracino, MD

Assessment of Percutaneous Mitral and Pulmonic Valve Repair Techniques Chirojit Mukherjee, MD; Candice R.

Montzingo, MD; G. Burkhard Mackensen, MD PhD FASE

2-5 pm Liberty NOP

Afternoon Workshop

Workshop 2: Transthoracic Echocardiography

Moderator: Tara Brakke, MD FASE

The Basic TTE Exam Josh Zimmerman, MD FASE

Basic TTE Views and the Comparison TEE Views Sasha K. Shillcutt, MD FASE

Expanding Your Practice: A Cardiac Anesthesiologist's Guide to TTE Julian Stephens Bick, MD

Hands-On Stations

Heartworks Simulator Josh Zimmerman, MD FASE; Julian Stephens Bick, MD

CAE Simulator Candice R. Montzingo, MD; Walker Thomas, BA RDCS FASE

GE Machine Live Models Nicholas W. Markin, MD; Jonathan Ho, MD

Philips Machine Live Models Sasha K. Shillcutt, MD FASE; Ravi Vivekanand Joshi, MD

Sunday, April 12

9:30 am-12:30 pm Liberty NOP

Morning Workshop

Workshop 3: Fundamentals of Aortic Reconstruction

Moderators: Bradley S. Taylor, MD MPH; Andrew Weisinger, MD FASE

Introduction Bradley S. Taylor, MD MPH; Andrew Weisinger, MD FASE

Hands-On Stations

CSF Drainage Jason D. Kennedy, MD; K. Annette Mizuguchi, MD PhD MMSc

Point-of-Care Coag Testing Gregory A. Nuttall; MD, Kenichi Tanaka, MD

Airway Management R. Lebron Cooper, MD; Yasdet Maldonado, MD

TEVAR Tools and Techniques Bradley S. Taylor, MD MPH; Jacob T. Gutsche, MD

Neurologic Monitoring Daryl Oakes, MD; Suhaini Kadiman, MD

Cannulation-Bypass Support C. David Collard, MD MS; Chad E. Wagner, MD

2–5 pm Liberty NOP

Afternoon Workshop

Workshop 4: Cardiopulmonary Bypass

Moderators: Eugene A. Hessel, II, MD FACS; Gregory M. Janelle, MD FASE

Introduction Gregory M. Janelle, MD FASE

Basics of Perfusion: Equipment/Monitoring Andrew Pitkin, MRCP FRCA

Evidence-Based Perfusion Goals Eugene A. Hessel, II, MD FACS

Complications Kenneth G. Shann, CCP

Hands-On Stations

Basic Circuit

Going On and Coming Off CPB

Complications Perfusionist David C. Fitzgerald, BS CCP; Robert C. Groom, MS CCP; Uriah Dudgeon, MHS CCP;

Ron Angona, MS CCP

Schedule: Workshops

Monday, April 13

2–5 pm Liberty NOP

Workshop 5: Advanced Transesophageal Echocardiography

Moderator: Feroze Mahmood, MD

How Does This Thing Work? Learning to Teach Echo with a Simulator Feroze Mahmood, MD

Beyond Good and Bad: Quantitative Analysis of Right Ventricular Alexander Mittnacht, MD FASE

Strain and Speckle Tracking for Ventricular Function Alina Nicoara, MD FASE

TEE Imaging in Infectious Conditions: Endocarditis and Aortic Root Abscess Ravi Vivekanand Joshi, MD

Hands-On Stations

Echo Simulation: Training the Trainer Feroze Mahmood, MD

Quantitative Right Ventricular Assessment Alexander Mittnacht, MD FASE; Kimberly Howard-Quijano, MD MS

Speckle and Strain Tracking Alina Nicoara, MD FASE; Madhav Swaminathan, MD FASE

What a Mess! TEE Imaging in Acute Endocarditis Ravi Vivekanand Joshi, MD

Tuesday, April 14

2-5 pm Liberty NOP

Workshop 6: Case-Based Echocardiography

Moderators: Alina Nicoara, MD FASE; Sasha K. Shillcutt, MD FASE

Case-Based, Small-Group Discussions

Tricuspid Regurgitation in MV Surgery: When to Intervene Nicholas W. Markin, MD

Unsuspected AS in a CABG Patient Candice R. Montzingo, MD

Challenges in Adult Congenital TEE Christopher A. Troianos, MD

Post Valve Repair Assessment: When to Return to Bypass Nikolaos J. Skubas, MD FASE DSc

Valvular Lesions in the VAD Patient: When to Fix Annemarie Thompson, MD

Disasters in the Cath Lab Wanda M. Popescu, MD

Wednesday, April 15

8-11 am Shaw/Ledroit

Workshop 7: Fellow Transesophageal Echocardiography Review Session

Moderators: William (Skip) C. Culp, Jr., MD FASE; Roman Sniecinski, MD FASE

Ultrasound Physics Madhav Swaminathan, MD FASE

Artifacts and Pitfalls Justiaan Swanevelder, MBChB MMed(Anes) FCA(SA) FRCA

Hemodynamic Calculations Mary Beth Brady, MD FASE

Congenital Heart Defects Kathryn Rouine-Rapp, MD

Diastology Wanda M. Popescu, MD

Closing Remarks and Panelist Q & A

8-11 am

University DC/Catholic University

Workshop 8: 3D TEE

Moderators: Sasha K. Shillcutt, MD FASE

Introduction to 3D Imaging Modalities and Live 3D Acquisition Nicholas W. Markin, MD

Gated 3D Imaging: 3D Full Volume and Color Flow Imaging Candice R. Montzingo, MD FASE

Common Applications and 3D Workflow in the OR Douglas C. Shook, MD FASE

Hands-On Stations

Station 1: (Basic) George Burke Whitener, MD

Station 2: (Intermediate) Alina Nicoara, MD FASE

Station 3: (Basic) Logan Kosarek, MD; Erik P. Anderson, MD

Station 4: (Basic) Candice R. Montzingo, MD FASE; Tara Brakke, MD FASE

Station 5: (Intermediate) Josh Zimmerman, MD FASE

Station 6: (Intermediate) Walker Thomas, BA RDCS FASE

Station 7: (Off-cart laptop, Advanced) Georges Desjardins, MD

Station 8: (Off-cart laptop, Advanced) Nicholas W. Markin, MD

Schedule: Workshops

8-11 am Capitol/Congress

Workshop 9: EP—Perioperative Management of Pacers and ICDs

Moderators: Jonathan Ho, MD; Saket Singh, MD

Guidelines for Perioperative Management of Patients with a Cardiac Implantable Electrical Device Annemarie Thompson, MD

Pacemaker Function and Programming Aman Mahajan, MD PhD

Pacemaker Failures: What's Real, What's Not! Peter Schulman, MD

Hands-On Stations

Station 1: Kimberly Howard-Quijano, MD MS

Station 2: Aman Mahajan, MD PhD

Station 3: Annemarie Thompson, MD

Station 4: Jonathan D. Leff, MD

Station 5: Peter Schulman, MD

Station 6: Temporary Pacing J. Prince Needlankavil, MD

Station 7: Chest X Ray J. Prince Neelankavil, MD

Schedule: Fellow/Junior Faculty Program

Saturday, April 11

10-11 am

Marquis Foyer & Salons 12-14

Monument

Complex Case Poster Presentations

Moderators: Makoto Ozaki, MD; Robert M. Savage, MD FACC; Daniel A. Tolpin, MD; John A. Fox, MD; Albert T. Cheung, MD; Sugantha Sundar, MD; Antonio Hernandez, MD; Mark T. Neslon, MD MEd

1–2 pm

Complex Case Discussion with Expert Panel

Panelists: James H. Abernathy, III, MD MPH FASE FAHA; Colin Royse, MD MBBS FANZCA; Annemarie Thompson, MD

2-3 pm Monument

A Career in CT Anesthesiology: Mission Possible

Panelists: Joerg Ender, MD; Colleen Koch, MD MS MBA FACC; William S. Whitley, MD

3:30-4:45 pm Monument

PBLD: Transcatheter Aortic Valve Replacement

James H. Abernathy, III, MD MPH FASE FAHA; Ioanna Apostolidou, MD; Dalia Banks, MD FASE; Wendy K. Bernstein, MD MBA; Mark A. Chaney, MD; Albert T. Cheung, MD; J. Mauricio Del Rio, MD; Joerg Ender, MD; John A. Fox, MD; Carlos Galhardo, Jr., MD; Brian J. Gelfand, MD FACS; Donna Greenhalgh, MBChB FRCA FFICM; Antonio Hernandez, MD; Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu; Colleen Koch, MD MS MBA FACC; Chirojit Mukherjee, MD; J. Prince Neelankavil, MD; Makoto Ozaki, MD; Colin Royse, MD MBBS FANZCA; Robert M. Savage, MD FACC; Jack Shanewise, MD FASE; Michele L. Sumler, MD; Sugantha Sundar, MD; Nelson L. Thaemert, MD; Annemarie Thompson, MD; Daniel A. Tolpin, MD; William S. Whitley, MD; Justin W. Wilson, MD

5-6 pm
Complex Case Poster Presentations

Marquis Foyer & Salons 12-14

Moderators: Makoto Ozaki, MD; Robert M. Savage, MD FACC; Daniel A. Tolpin, MD; Wendy K. Bernstein, MD MBA; Justin W. Wilson, MD; Nian Chih Hwang, MBBS FFARCSI FAMS GDAcu; Mark A. Chaney, MD; Jack Shanewise, MD FASE; J. Mauricio Del Rio, MD; J. Prince Neelankavil, MD

Sunday, April 12

10-11 am

Marquis Foyer & Salons 12-14

Complex Case Poster Presentations

Moderators: John A. Fox, MD; Albert T. Cheung, MD; Dalia Banks, MD FASE; Sugantha Sundar, MD; Wendy K. Bernstein, MD MBA; Michele L. Sumler, MD; Nelson L. Thaemert, MD; Brian J. Gelfand, MD FACS; Ioanna Apostolidou, MD; Chirojit Mukherjee, MD

5-6 pm

Marquis Foyer & Salons 12-14

Complex Case Poster Presentations

Moderators: Antonio Hernandez, MD; Mark T. Nelson, MD MEd; Justin W. Wilson, MD; Michele L. Sumler, MD; Nelson L. Thaemert, MD; Brian J. Gelfand, MD FACS; Ioanna Apostolidou, MD; Carlos Galhardo, Jr., MD; Douglas C. Shook, MD FASE; John A. Fox, MD

Wednesday, April 15

8 am-11 am Shaw/Ledriot

Workshop 7: Fellow Transesophageal Echocardiography Review Session

Moderators: William (Skip) C. Culp, Jr., MD FASE; Roman Sniecinski, MD FASE

Ultrasound Physics Madhav Swaminathan, MD FASE

Artifacts and Pitfalls Justiaan Swanevelder, MBChB MMed(Anes) FCA(SA) FRCA

Hemodynamic Calculations Mary Beth Brady, MD FASE

Congenital Heart Defects Kathryn Rouine-Rapp, MD

Diastology Wanda M. Popescu, MD

Closing Remarks and Panelist Q & A

Schedule: PBLDs

Problem-Based Learning Discussions

PBLD Coordinator: Michael P. Eaton, MD

Each table is limited to 15 participants and 2 faculty members to allow for small-group interaction, discussion, and exchange of ideas.

	r, April 12 (6:45–8 am)	Sunday
Magnolia	Modifying Renal Injury Risk in Cardiovascular Surgery Sophia Chew, MMED(Anes) MBBS FANZCA; Stephanie Fischer, MB BCh FCA(SA)	PBLD 1
Cherry Blossom	Lung Transplantation Arne Neyrinck, MD PhD; Kam Ghadimi, MD	PBLD 2
Dogwood	Navigating Off-Pump CABG Surgery George Djaiani, MD FRCA FRCPC; Yong G. Peng, MD PhD FASE	PBLD 3
Scarlet Oak	Rational Treatment of Post-CPB Bleeding Matthew A. Klopman, MD FASE; Kenichi Tanaka, MD	PBLD 4
Silver Linden	Negotiating Payments for Anesthesia Services with Bundling and Capitation Solomon Aronson, MD MBA FACC FACCP FAHA FASE; Nelson L. Thaemert, MD	PBLD 5
Tulip	Lung Protective Ventilation in the OR—It Does Matter! Mary Beth Brady, MD FASE; Adam S. Evans, MD MBA	PBLD 6
Senate	Avoiding Problems with Pacemakers and ICDs Jonathan Ho, MD; Annemarie Thompson, MD	PBLD 7
Mint	Preventing and Managing Neurological Dysfunction After Cardiac Surgery Srdjan Jelacic, MD; Hilary P. Grocott, MD FRCP FASE	PBLD 8
Treasury	STS/SCA: Functional MR Stanton K. Shernan, MD FAHA FASE; Bradley S. Taylor, MD MPH	PBLD 9
	y, April 13 (6:45–8 am)	Monday
Magnolia	Brain Protection During Deep Hypothermic Circulatory Arrest Yasdet Maldonado, MD; Andrew Klein, MD FRCA	PBLD 10
Cherry Blossom	ECMO in Practice Tony Gin, MD; James J. Lynch, MD	PBLD 11
Dogwood	Robotic Cardiac Surgery Daniel Bainbridge, MD FRCPC; J. Devin Roberts, MD	PBLD 12
Scarlet Oak	Noncardiac Surgery and the Adult Congenital Heart Patient James A. DiNardo, MD; Viviana G. Nasr, MD	PBLD 13
Silver Linden	Transcutaneous Aortic Valve Replacement (TAVR) Chirojit Mukherjee, MD; Konstantine Tzimas, MD	PBLD 14
Tulip	Prevention and Management of Atrial Fibrillation After CT Surgery Jacob T. Gutsche, MD; Peter Schulman, MD	PBLD 15
	y, April 14 (6:45–8 am)	Tuesday
Magnolia	Descending Thoracic Aortic Repair: Spinal Cord Protection Strategies Sophia ANG Bee Leng, MD; Georghios (George) Nicolaou; MBBCh FRCPC	PBLD 16
Cherry Blossom	Global Health: How Can I Do My Share as a Cardiac Anesthesiologist? Davy Cheng, MD MSc FRCPC FCAHS CCPE; Ellen M. Dailor, MD	PBLD 17
Dogwood	Conflict Resolution Manfred D. Seeberger, MD; David A. Zvara, MD	PBLD 18
Scarlet Oak	Ventricular Assist Devices: Troubleshooting After Implantation Robert J. Deegan, MB BCh PhD; Annette Vegas, MDCM FRCPC FASE	PBLD 19
Silver Linden	Blood Conservation and Management Keyvan Karkouti, MD; Jerrold H. Levy, MD FAHA FCCM	PBLD 20
Tulip	Teaching and Learning TTE in a Busy Practice Tara Brakke, MD FASE; Josh Zimmerman, MD FASE	PBLD 21
	sday, April 15 (6:45–8 am)	Wednes
Magnolia	Cardiac Surgery in the Parturient Gautam Sreeram, MD; Michele L. Sumler, MD	PBLD 22
Cherry Blossom	The Perioperative Surgical Home in Cardiac Surgery: Pre-Op Optimization to 30 Days Post-Op Logan Kosarek, MD; George Silvay, MD PhD	PBLD 23
Dogwood	Mitral Repairs: Acute Severe Mitral Regurgitation Nicholas W. Markin, MD; Minoru Nomura, MD PhD	PBLD 24
Scarlet Oak	Pregnancy and HOCM Mary Beth Brady, MD FASE; Nadia Hensley, MD	PBLD 25
Silver Linden	What to Do About Secondary Tricuspid Regurgitation Georges Desjardins, MD; Ratna Vadlamudi, MD	PBLD 26

Best of Meeting Abstract Oral Presentations: Session 1

Monday, April 13, 10:30 am-12:30 pm

Room: Liberty NOP

1: Severity of Tricuspid Regurgitation Associated With Long-Term Mortality in a 21,000-Patient Cohort of Cardiac Surgical Patients

Jamahal Luxford, MBBS; Carolyn Butler; Kerry Wilusz, BA: Douglas Shook, MD FASE; Danny Muehlschlegel, MD; John Fox, MD; Stanton Shernan, MD FASE; Brigham and Women's Hospital

- **2:** Increased Sirtuin 3 Expression and Signaling Confers Natural Cardioprotection in Hibernating Mammals Mihai Podgoreanu, MD; Qing Ma, MD; Zhiquan Zhang, PhD; Quintin Quinones; Brian Barnes, PhD; Duke University; University of Alaska
- **3:** Aortic Atheroma Increase the Risk of Long-Term Mortality Carolyn Butler; Kerry Wilusz, BA; Chuan-Chin Huang, ScD; Stanton Shernan, MD FASE; Danny Muehlschlegel, MD; Brigham and Women's Hospital
- **4:** A Multistate Analysis of Post-Operative Morbidity and Mortality Rates for Carotid Artery Stenting (CAS) al-ra Robert White, MD; Bess Storch, MD; Wu Wu, MPH; Licia Gaber-Baylis, BA; Gregory Giambrone, MS; Akshay Bhat Meng; Ramin Zabih, PhD; Peter Fleischut, MD; Kane Pryor, MD; NewYork-Presbyterian Hospital/Weill Cornell Medical College; New York University; Cornell University
- **5:** Myocardial Longitudinal Strain Predicts the Need for Inotropic Support After Cardiopulmonary Bypass Richard Sheu, MD; Xiaohong Li; Andra Duncan, MD; Cleveland Clinic
- **6:** Improved Ability to Predict Postoperative Atrial Fibrillation With the McSPI AFRisk Index Versus the CHA2DS2Vasc or POAF Scores

Nathan Waldron; Mary Cooter, MSc; Rebecca Klinger, MD MS; Miklos Kertai, MD PhD; Mihai Podgoreanu, MD; Mark Stafford-Smith, MD; Mark Newman, MD; Joseph Mathew, MD; Duke University

7: Molecular Mechanism of Anesthetic-Induced Depression of Myocardial Contraction

Tao Meng, PhD Student; Wei Dong Gao, PhD MD; Johns Hopkins University School of Medicine

8: Acute Right Ventricular Failure After Heart Transplantation: Trends and Patient Characteristics

David Ruffin, MD; Mary Cooter, MSc; Mark Stafford-Smith,

David Ruffin, MD; Mary Cooter, MSc; Mark Stafford-Smith, MD; Raquel Bartz, MD MMCI; Madhav Swaminathan, MD FASE; Carmelo Milano, MD; Chetan Patel, MD; Alina Nicoara, MD

Best of Meeting Abstract Oral Presentations: Session 2

Tuesday, April 14, 10:30 am-12:30 pm

Room: Liberty NOP

- **9:** PPARγ Agonist Rosiglitazone Provides Neuroprotection in Atherosclerosis-Prone JCR Rats Following Deep Hypothermic Circulatory Arrest: A Pivotal Role of Sirtuin 6 Qing Ma, MD; Zhiquan Zhang, PhD; Mihai Podgoreanu, MD; Duke University Medical Center
- **10:** Effects of Metabolic Syndrome With or Without Obesity on Outcomes After Coronary Artery Bypass Graft: A Cohort and 5-Year Study

Fei Xu, MD; Hushan Ao; Fuwai Hospital

11: Effects of Race and Common Genetic Variation on Therapeutic Response Disparities in Postoperative Atrial Fibrillation

Nazish Hashmi, MB BS; Mary Cooter, MSc; Yi-Ju Li, PhD; Miklos Kertai, MD PhD; Joseph Mathew, MD; Mark Stafford-Smith, MD; Mark Newman, MD; Madhav Swaminathan, MD FASE; John Alexander, MD MHS; Mihai Podgoreanu, MD; Duke University Medical Center

- **12:** Impact of Acute Kidney Injury on Long-Term Kidney Function in Patients Undergoing LVAD Placement Mias Pretorius, MBCHB MSCI; Frederic Billings, MD; Vanderbilt University Medical Center; Vanderbilt University School of Medicine
- 13: Intravenous Lidocaine Reduces Transcerebral
 Inflammatory Response During Cardiac Surgery
 Rebecca Klinger, MD MS; Igor Akushevich; Miles Berger, MD
 PhD; Mihai Podgoreanu, MD; Mark Stafford-Smith, MD; Mark
 Newman, MD; Thomas Ortel, MD PhD; Ian Welsby, MBBS
 FRCA; Jerrold Levy; Joseph Mathew, MD; Duke University
 Medical Center
- **14:** Flow Cytometry Reveals Species-Specific, Tissue-Specific, and Hibernation-State-Specific Differences in Innate Immunity and Response to Surgical Ischemia-Reperfusion Quintin Quinones; Qing Ma, MD; Michael Smith, MS; Janet Staats, BS; Cliburn Chan, MBBS PhD; Kent Weinhold, PhD; Brian Barnes, PhD; Mihai Podgoreanu, MD; Duke University; University of Alaska Fairbanks
- **15:** Gene Expression in Human Left Atria of Patients With and Without Atrial Fibrillation After Cardiac Surgery Martin Sigurdsson, MD PhD; Mahyar Heydarpour, PhD; Louis Saddic, MD PhD; Tzuu-Wang Chang, PhD; Stanton Shernan, MD FASE; Danny Muehlschlegel, MD; Simon Body, MD; Brigham and Women's Hospital
- **16:** Validation of the FORE-SIGHT Elite Pediatric Tissue Oximeter in Children

Viviane Nasr, MD; Lisa Bergersen, MD MPH; Paul Benni, PhD; Rachel Bernier, MPH; Michelle Anderson, RN BSN; Barry Kussman, MBBCH

Poster Session 1: Perioperative Medicine Abstracts

Saturday, April 11, 12:30-1:30 pm

Room: Marquis Foyer & Salons 12-14

17: Poor Post-Operative Blood Pressure Control in Cardiac Surgery Patients Is Associated With Acute Kidney Injury and Death

Felix Balzer, MD MSC; Solomon Aronson, MD MBA; Sascha Treskatsch, MD; Claudia Spies, MD; Professor Li Ding, MS MA; Jason Campagna, MD PHD; Michael Sander, MD; Charite Duke University School of Medicine; The Medicines Company, Inc.

18: The Effects of Dexmedetomidine on Postoperative Renal Function in Valvular Heart Surgery: A Randomized, Placebo-Controlled Study

Lee Woo Kyung; Jae-Kwang Shim, MD; Yon Hee Shim, MD PhD; Young-Lan Kwak, MD; Yonsei University College of Medicine

19: Intraoperative Awareness in Cardiac Surgery: A Large Retrospective Observational Study

Qingshui Zheng Bachelor; Qian Wang, MD; Hushan Ao

20: Dexmedetomidine Reduces Delirium After Cardiac Surgery: A Randomized, Controlled Trial George Djaiani, MD; Natalie Silverton, MD; Rita Katznelson, MD; Rima Styra, MD MEd; Jo Carroll, RN BHA; Vivek Rao MD PhD; Ludwik Fedorko, MD PhD FRCPS; Toronto General Hospital; UHN

21: Serum Glial Fibrillary Acid Protein Levels Are Associated With Postoperative Neurocognitive Dysfunction After Non-Cardiac But Not Cardiac Surgery

Charles Hogue, MD; Tommy Rappold, BS; Daijiro Hori, MD; Allen Everett, MD; Gayane Yenokyan, PhD; Charles Brown, MD; Andrew Laflam, BS; The Johns Hopkins University School of Medicine;

The Johns Hopkins University; The Johns Hopkins University

22: Cortical Amyloid Burden Is Not Significantly Associated With Early Cognitive Dysfunction After Cardiac Surgery Rebecca Klinger, MD MS; Olga James, MD; Salvador Borges-Neto, MD; Tiffany Bisanar, RN BSN CCRP; Yi-Ju Li, PhD; William White, MPH; Mark Newman, MD; Pudu Doraiswamy, MBBS; Joseph Mathew, MD; Duke University Medical Center

23: Clinical Prediction Model for Post-Cardiac Surgery Atrial Fibrillation in an Asian Population

Lian Ti, MBBS; Wei Zhang Nil; Sophia Chew; Weiling Liu, BSc; National University Health System Singapore; Yong Loo Lin School of Medicine; Singapore General Hospital; National University Health System

24: Risk Stratification in Cardiac Surgery by the Combined Use of Cerebral Oxygen Saturation and Growth-Differentiation Factor 15

Matthias Heringlake, MD; Hauke Paarmann, MD; Anna Beilharz; Astrid Berggreen, MD; Efstratios Charitos, MD PhD; University of Luebeck **25:** The Association of Baseline Frailty and Postoperative Delirium After Cardiac Surgery

F. Louis Kirk, MD; Andrew LaFlam, BS; Laura Max; Karin Neufeld, MD MPH; Charles Hogue, MD; Aliaksei Pustavoitau, MD; Charles Brown, MD; Johns Hopkins

26: The Effects of Atrial Pacing for Hemodynamic Recovery Immediately After Rapid Ventricular Pacing in Transcatheter Aortic Valve Replacement

Prakash Patel, MD; William Vernick, MD; Wilson Szeto, MD; Robert Li, MD; Jeremy Kukafka, MD; Michael Fabbro; John Augoustides, MD; Jacob Gutsche, MD; University of Pennsylvania; Penn Presbyterian Medical Center

27: 6-Minute Walk Test as a Predictor of Perioperative Ischemic Events

Andrew Disque; Christine Nguyen-Buckley, MD; Anahat Kaur Dhillon, MD; Jacques Neelankavil, MD

28: Serum Nitric Oxide Is an Early Marker of Inflammation Following Cardiac Surgery

Tsz Chuen Chan; Kimberly Howard-Quijano, MD MS; Ji Youn Youn, PhD; Jennifer Scovotti, MA; Aman Mahajan, MD PhD; Hua Linda Cai, MD PhD; UCLA

29: Respiratory Failure After Open Repair of Thoracic and Thoracoabdominal Aortic Aneurysms

Dan Farber; Charles Acher, MD; Erich Marks, MD; Charles Acher, MD; Martha Wynn, MD; UW-Madison Hospital and Clinics

30: Albumin Administration Within One Day of On-Pump Cardiac Surgery Is Associated With Improved Survival When Compared With Crystalloid Fluid Therapy Adam Kingeter, MD; Sibyl Munson; David Hayashida, BA; Martin Bunke, MD; Andrew Shaw, FCCM FRCA MB

31: Comparison of Postoperative Cognitive Dysfunction in Patients Undergoing Conventional vs. Miniaturized Cardiopulmonary Bypass: A Randomized, Controlled Trial Lian Ti, MBBS; An Shing Ang, Student; Sophia Chew; Weiling Liu, Bsc; National University Health System Singapore; Yong Loo Lin School of Medicine; Singapore General Hospital; National University Health System

32: The Reno-Protective Effect of Intraoperative Dexmedetomidine Infusion in Elective Coronary Bypass Graft Surgery

Anantachote Vimuktanandana, MD; Faculty of Medicine, Chulalongkorn University, Bangkok, NA

33: Transthoracic Echocardiography to Assess Intravascular Volume Status and Predict Hypotension After Induction of General Anesthesia in Non-Cardiac Surgery Patients Christopher Tanaka, MD; Ofer Burshtain, MD; Shenche Hshieh, PharmD MS; Singh Nair, MD; Jonathan Leff, MD; Montefiore Medical Center

34: The Incidence of Major Adverse Kidney Events (MAKE) Following Cardiac Surgery

Frederic Billings, MD; Mias Pretorius, MBCHB MSCI; Andrew Shaw, FCCM FRCA MB; Vanderbilt University

Poster Session 1: Perioperative Medicine Abstracts

Saturday, April 11, 12:30-1:30 pm (continued)

- **35:** Intraoperative Left Ventricular Longitudinal Strain and Strain Rate Do Not Predict Postoperative N-Terminal Pro B-Type Natriuretic Peptide Concentrations Geoffrey Lively, MD; Xiaohong Li; Andra Duncan, MD; Cleveland Clinic
- **36:** Management of Post-Operative Pain in Transcatheter Aortic Valve Replacements: How Can We Do Better? Lingesh Sivanesan, MD; Nikolaos Skubas, MD DSC FASE; Andrew Sosa, MD; Rajiv Shah, MD; Shreyajit Kumar, MD; Weill Cornell Medical Center
- **37:** Does Impaired Right Ventricular Function Impact Postoperative Outcomes After Cardiac Surgery? Sanyo Tsai; Andra Duncan, MD; Cleveland Clinic Foundation
- **38:** Intrabdominal Hypertension and Acute Kidney Injury After Cardiac Surgery (IAH-KICS): Interim Analysis and Early Study Trends

Michael Mazzeffi; Karin Wallace, RN BSN CCRN; Philip Roman, MD MPH; Patrick Odonkor, MD; Seema Deshpande, MD; Ashanpreet Grewal, MD; Erik Strauss, MD; Wendy Bernstein, MD MBA; Daniel Herr, MD; James Gammie, MD; Patrick Stafford, BS; La Toya Stubbs, BS; Peter Rock, MD MBA; Faisal Cheema, MD; University of Maryland School of Medicine; University of Maryland School of Medicine; University of Maryland

39: The Association of Post-Cardiac Surgery Delirium and Increased Length of Stay, Length of Stay in the ICU, and Hospital Charges

Daria Lymar, MD; Andrew LaFlam, BS; Laura Max; Karin Neufeld, MD MPH; Ashish Shah, MD; Glenn Whitman, MD; Charles Hogue, MD; Charles Brown, MD; Johns Hopkins

40: Paravertebral Analgesia in Transapical Transcatheter Aortic Valve Replacement

Justin Poltak, MD; Frederick Cobey, MD MPH FASE; John Augoustides, MD; Christopher Connors, MD; Maine Medical Center; Tufts Medical Center; University of Pennsylvania

- 41: Withdrawn
- **42:** Paravertebral Nerve Block Does Not Improve Arterial Oxygen Tension After Mini-Thoracotomy for Minimally Invasive CABG: A Retrospective Review Brady Warnick, MD FRCPC; Marc Ruel, MD MPH FRCSC; Benjamin Sohmer, MD; University of Ottawa Heart Institute
- **43:** Effect of Sodium Bicarbonate on Prevention of Acute Kidney Injury in High-Risk Patients Undergoing Off-Pump Coronary Artery Bypass

Sowoon Ahn, MD; Sung Yong Park, MD; JongChan Kim, MD; YoungLan Kwak, MD PhD; CHA Bundang Medical Center; Ajou University College of Medicine; Yonsei University College of Medicine

205: Postoperative Nausea or Vomiting Apfel Score Validity Among Cardiac Surgery Patients

Vincent J. Umbrain, MD PhD; Christian Verborgh, PhD; Jan I. Poelaert; Jan Nijs

- **44:** Anesthetic Management of Patients With Left Ventricular Assist Devices Presenting for Endoscopy William Mauermann, MD; David Barbara, MD; Juan Pulido, MD; David Olsen, MD; Mayo Clinic Rochester
- **45:** The Effect of High Spinal Anesthesia on the Incidence of Delirium Following Cardiac Surgery: A Historical Case-Control Study

Andrea Petropolis, MD; Doug Maguire, MD; Stephen Kowalski, MD; Hilary Grocott, MD; Trevor Lee, MD; Rakesh Arora, MD PhD FRCSC

46: Variation in Acute Kidney Injury Rates Following Firstand Second-Staged Sequential Single-Lung Transplants in a Patient Cohort

Adam Varady, MD; Mark Stafford-Smith, MD; Jennifer Hauck, MD; Matthew Hartwig, MD; Madhav Swaminathan, MD FASE; Mihai Podgoreanu, MD; Joseph Mathew, MD; Duke University Medical Center

- **47:** Serum Fluoride Levels During Long-Term Volatile Sedation Within the Intensive Care Unit Angela Jerath, MBBS FANZCA; Kelvin Wong, BSc; Deep Grewal, MD; Niall Ferguson, MD FRCPC; Andrew Steel, MB BS MRCP FRCA FFICM FRCPC EDIC; George Djaiani, MD; Marcin Wasowicz, MD PhD; Toronto General Hospital; University of Toronto
- **48:** Cardiopulmonary Bypass and Acute Pulmonary Dysfunction Following Cardiac Surgery Ryan Butterworth, MD; Jonathan Wanderer, MD MPhil; Andrew Shaw, FCCM FRCA MB; Frederic Billings, MD; Vanderbilt University
- **49:** Non-Cardiac Anesthesiologists Can Safely Provide Care for Patients Supported by Ventricular Assist Devices Presenting for Non-Cardiac Surgery: A 10-Year Retrospective Review From a High-Volume Tertiary Care Center Joseph Hinchey, MD PhD; Marc Stone, MD; Adam Evans, MD; Christopher Sattler; Mount Sinai
- **50:** Progression of Mitral Regurgitation After Lung Transplantation

Sharon McCartney, MD; Mary Cooter, MSc; Zainab Samad, MBBS MHS FAC; Joseph Sivak, MD; Anthony Castleberry, MD MMCi; Stephen Gregory, MD; John Haney, MD; Matthew Hartwig, MD; Madhav Swaminathan, MD FASE; Duke University Medical Center

51: The Inflammatory Response Between Miniaturized and Conventional Cardiopulmonary Bypass After Cardiac Surgery in an Asian Population

Lian Ti, MBBS; Roderica Ng; Sophia Chew; Weiling Liu, BSc; National University Health System; Yong Loo Lin School of Medicine; Singapore General Hospital

52: Apicoaortic Conduit: The Rise and Fall of a Procedure for High-Risk Patients in the TAVR Era

John McNeil, MD; David Lehenbauer, MD; John Conte, MD; Bryan Maxwell, MD; Johns Hopkins Hospital

53: Patient Characteristics and Surgical Factors Associated With Intraoperative Inhaled Nitric Oxide in Adult Cardiac Surgery

Megan Krajewski, MD; Mary Cooter, MSc; Betsy Hale, BS; Anne Cherry, MD; Duke University

54: Perioperative Dexmedetomidine Improves Outcome of Pediatric Cardiac Surgery Patients Lei Li, MD; Hushan Ao; Fuwai Hospital

55: Intraoperative Beat-by-Beat Blood Pressure Variability (Area Under the Curve) and Postoperative Outcome in Cardiac Surgery: A Pilot Study

Fernando Mujica, MD; Balachundhar Subramaniam, MD MPH; Thomas Heldt, PhD; Priyam Mathur, MS; Kamal Khabbaz, MD; Adam Lerner, MD; Varesh Prasad; Beth Israel Deaconess Medical Center; Massachusetts Institute of Technology

56: Perioperative Takotsubo Cardiomyopathy: A Systematic Review of Published Cases

Matthew Bean; Manuel Castresana, MD; Shvetank Agarwal, MD; Resident; Professor; Assistant Professor

57: Influence of Left Ventricular Distension Associated With Ventricular Fibrillation During Pulmonary Valve Replacement on Postoperative Outcomes

Ji-Hyun Lee, MD; Eun-Jin Chung; In-kyung Song, MD; Jae-Hyon Bahk, MD; Jin-Tae Kim, MD; Eun-Hee Kim, MD; Seoul National University Hospital

58: Impact of Dexmedetomidine for Sedation in Cardiac Surgery on Post-Operative Atrial Fibrillation Incidence and ICU Length of Stay

Anupama Gopinath; Brian Kelly; Janis Breeze, MPH; Barbara Oxley, MS RN; John Devlin, PharmD FCCM; Russel Roberts, PharmD; Michael England, MD; Kenneth Warner, MD; Frederick Cobey, MD MPH FASE; Tufts Medical Center

59: Microvascular Reactivity and Clinical Outcomes in Cardiac Surgery

Susie Yoon, MD; Chang-Hoon Koo, MD; Jae-Hyon Bahk, MD; Deok-Man Hong, MD; Yunseok Jeon, MD; Seoul National University Hospital

60: Cardioprotection With Volatile Anesthesia During Coronary Artery Bypass Grafting

Nikola Bradic, MD; Ino Husedzinovic, MD PhD Professor; Andrej Sribar, MD; Cardiac Anesthesiology and Critical Care Medicine; Cardiac Anesthesiology and Critical Care

61: The Impact of Perioperative β-Blockers on Outcomes in Patients Undergoing Cardiac Surgery Bo Dou, master's degree; Fei Xu, MD; Shan Ao

62: A Retrospective Chart Analysis of Patients Undergoing Transmyocardial Laser Revascularization Shvetank Agarwal, MD; Sachin Bahadur, MBBS; Manuel Castresana, MD; Georgia Regents University

63: Postoperative Pain Management by Morphine After the Cardiovascular Surgery

Koichiro Seki, MD; Hiroko Fukushima; Yuki Higa, MD; Atsuko Takata; Toshihiro Nohmi, MD; IMS Katsushika Heart Center

64: Impact of Dedicated Liver Transplant Anesthesia Team on Patient Safety and Clinical Outcomes in a Tertiary Care Medical Center

Anoop Chhina, MD; Dragos Galusca, MD; R. Lebron Cooper, MD; William Alarcon, MD; Naveen Gandreti, MDFASE

Poster Session 2: Basic Science, CV Anesthesia, Coagulation, Structural Heart Disease, and Thoracic Anesthesia Abstracts

Sunday, April 12, 12:30-1:30 pm

Room: Marquis Foyer & Salons 12-14

65: Thoracic Epidural Anesthesia Suppresses Cardiac Excitability Induced by Stellate Ganglion Stimulation in a Porcine Model

Kimberly Howard-Quijano, MD MS; Kentaro Yamakawa, MD; Tatsuo Takamiya, MD; Wei Zhou, PhD FAHA; Jeffrey Ardell, PhD; Kalyanam Shivkumar, MD PhD; Aman Mahajan, MD PhD; University of California–Los Angeles; UCLA

66: Platelet Activation as a Determinant of Inflammation and Tissue Injury in a Rat Model of Deep Hypothermic Circulatory Arrest

Jorn Karhausen, MD PhD; Hae Woong Choi, PhD; Laura Mitrescu, BS; Qing Ma, MD; Soman Abraham, PhD; Duke University; Duke University Medical Center

67: MiR-155 Ablation Reduces the Rate of Paralysis in a Mouse Model of TAAA Patients

Hamdy ElSayed Awad, MD; Sujatha Bhandary, MD; Anna Bratasz, PhD; Soumya Bouchachi; Motaz Abas, BS; Esmerina Tili, PhD; Ohio State University

68: Effects of Digoxin 24-Hour Exposure on Gene Expressions Related to Ventricular Remodeling in Cultured Cardiomyocytes

Henry Liu, MD; Marcia Henry, PhD; Geoffrey Liu, BA; Lisa Sangkum, MD; Nakeisha Landry-Pierre, MD; Sabrina Bent, MD; Alan Kaye, MD PhD; Frank Rosinia, MD; Tulane University Medical Center; LSUHSC-New Orleans

69: Changes in Myocardial Angiotensin II Levels During Cardiopulmonary Bypass in Cardiac Surgery Michael Manning, MD PhD; Dawn Bowles, PhD; Michael Watson, BS; Mihai Podgoreanu, MD; Duke University; Duke

70: Administration of Protamine Via Ascending Aorta May Improve Hemodynamic Stability and Postoperative Oxygenation

Joseph Roberts, MD; Edris Negron, MD; Kristen Wroblewski, MS; Ross Gaudet, MD; Mark Chaney, MD; University of Chicago

71: LOXL2: A Novel Target in Vascular Stiffness Jochen Steppan, MD; Daijiro Hori; Steven An, PhD; Dan Berkowitz, MD; Lakshmi Santhanam, PhD; Johns Hopkins University

72: Aging and Autonomic Regulation of Right Ventricular Contraction Pattern

Paul Heerdt, MD PhD; Emma Heerdt; Cornell University; Greenwich High School

73: Epigallocatechin-3-Gallate, a Green Tea Catechin, Protects the Heart Against Regional Ischemia-Reperfusion Injuries Through Activation of RISK Survival Pathways in Rats Kyung Yoo, MD PhD; Chonnam National University Hospital, Gwangju, Gwangju

74: Intraoperative Autologous Blood Donation in Cardiac Surgery: Physiological Changes in Oxygen Transport and Utilization Matthew Bean; Julian Bass, CCP RRT; Mary Arthur, MD; Sanjay Dwarakanath, MD; Georgia Regents University

75: Macrophage Characteristics Persists Long After CPB Even After Uncomplicated Heart Surgery in Certain Individuals Krzysztof Laudanski, MD PhD; George Worthen, MD; Jacob Gutsche, MD; Pawan Alturi; Wilson Szeto, MD; University of Pennsylvania; Children's Hospital of Philadelphia

76: Transcaval Delivery of Transcatheter Aortic Valve Replacement in a Patient Unsuitable for Femoral, Apical, or Transaortic Approaches

William Nelson, MD; Rosemary Uzomba, MD; Brigham and Women's Hospital

77: The Use of Dexmedetomidine and Intravenous Acetaminophen for the Prevention of Postoperative Delirium in Cardiac Surgery Patients Over 60 Years of Age: A Pilot Study Jason O'Neal, MD; Shruthi Dighe, MBBS MPH; Kashaine Gray, BS; Adam Lerner, MD; Daniel Talmor, MD; Edward Marcantonio, MD; Balachundhar Subramaniam, MD MPH; Beth Israel Deaconess Medical Center

206: Mast Cell Specific Chymase as an Early Marker of Inflammatory Activation Following Aortic Circulatory Arrest Procedures

Sreekanth R. Cheruku, MD; Yi-Ju Li, PhD; Wenjing Qi, PhD; Laura Mitrescu, BS; Miklos D. Kertai, MD PhD; G. Chad Hughes, MD; Joseph P. Mathew, MD; Jorn Karhausen, MD PhD

78: Impact of Opening Hours of the Post-Anesthetic Care Unit on Performance of a Fast Track Protocol Chris Grass; Sarah Eibel, MD; Waseem Zakhary; Stefan Probst; Joerg Ender, MD; Heartcenter University Leipzig

79: Sedation Strategies for Procedures in the Cardiac Electrophysiology Laboratory

Julie DeVore, DO MPH; Anne Kamarchik, MD; Samir Saba, MD; Raveen Bazaz, MD; Kathirvel Subramaniam, MD MPH; University of Pittsburgh Medical Center

80: Sedation for Transfemoral TAVI: No General Anesthesia, No Problems?

Patrick Mayr, MD; Gunther Wiesner, MD PhD; Thomas Ried, MD; Juergen Knorr, MD; Peter Tassani, MD PhD; Deutsches Herzzentrum Muenchen, TUM

81: Anesthesia Management for the Transcatheter Aortic Valve Replacement

Nikola Bradic, MD; Ino Husedzinovic, MD PhD Professor; Andrej Sribar, MD; Daniel Unic, MD; Cardiac Anesthesiology and Critical Care Medicine; Cardiac Anesthesiology and Critical Care; Cardiac Surgery

82: Heparin Concentration (Hepcon HMS) vs. ACT-Guided Anticoagulation During Cardiac Surgery: A Meta-Analysis Thomas Varughese, MBBS FRCA; Ravi Taneja, MBBS; Janet Martin, PhD; Blackpool Teaching Hospitals NHS Foundation Trust; University of Western Ontario

- **83:** Risk Factors for Excessive Perioperative Blood Loss in Infants and Children Undergoing Surgery for Congenital Heart Disease
- Kim Won Ho, MD; Hyo Jin Kim; Eunhee Kim, MD; Chung Su Kim; Samsung Changwon Hospital; Samsung Medical Center
- **207:** Cardiopulmonary Bypass and Lung Ultrasound Clayne Benson, MD; Justin Tawii, MD; Andrew Xavier, MD; Dennis P. Phillips, DO; Kathivvel Subramiam
- **84:** A Randomized, Double-Blinded Trial Comparing the Efficacy of Tranexamic Acid and Epsilon-Aminocaproic Acid in Reducing Bleeding and Transfusion in Cardiac Surgery Fiore Toscano, MD; Linda Shore-Lesserson, MD; Jonathan Leff, MD; Montefiore Medical Center; NSHS/Hofstra University
- **85:** Lean Team Approach to Patient Blood Management Eduardo Rodrigues, MD; Stephanie Helmer, MD; Ashley Crofton, Bachelors in Health Administration; Nilda Figueroa, RN; Frank Ray, MBA; Megan Gaul, Finances; Matthew Lundy; LINDSAY ABBEY, MHA; Nydia Matteu, MHA MT MLT(ASCP) SBB; Nancy Dawson, MD; Lia Toader; Mayo Clinic Florida; Mayo Clinic; CERNER
- **86:** Incidence of Bleeding Complications and Symptomatic Thrombosis During Extracorporeal Membrane Oxygenation: A Retrospective Cohort Study
- Michael Mazzeffi; Keshava Rajagopal, MD PhD; Si Pham MD; Joy Lee, BS; Raymond Rector, CCP LP; Daniel Herr, MD; Kenichi Tanaka, MD
- **87:** Morbidity Associated With the Use of Recombinant Factor VIIa in Pediatric Patients
- Laura Downey, MD; Morgan Brown, MD; James DiNardo, MD; Lucille Packard Children's Hospital at Stanford University; Boston Childrens Hospital; Boston Children's Hospital
- **88:** The Utility of Routine Preoperative Coagulation Testing in Cardiac Surgery Patients
- Tammy Mai, DO; Michael Eaton, MD; Peter Knight, MD
- **89:** The Ability of the Transfusion Risk Understanding Scoring Tool (TRUST) and Thromboelastometry FIBTEM A10 to Predict Bleeding and Transfusion in Cardiac Surgical Patients Michelle Shirak, MD; Melissa Cushing, MD; Michele Steinkamp, RN; Elizabeth Lemoine, BA; Thorsten Haas, MD; Natalia Ivascu, MD; Weill Cornell Medical College; University of Zurich
- **90:** Is Point-of-Care Testing Cost Effective in a Mid-Size Community Hospital? A Retrospective Chart Review Patrick Ziemann-Gimmel, MD; Bart Warne, CCP; Derek Muehrcke, MD FACS; Allison Goldfarb, CRNA DNP; Coastal Anesthesiology Consultants; Flagler Hospital
- **91:** Retrospective Matching Study: The Prophylactic Use of Recombinant Activated Factor VII In Aortic Surgery Jingya Li, Master of Medicine; Hongwen Ji; State Key Laboratory of Cardiovascular Disease, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

- **92:** Using Platelet Aggregometry to Detect Coagulopathy in Aortic Replacement Surgery: A Pilot Study *Jia-Lin Chen, MD; Nathan Waldron; Ian Welsby, MBBS FRCA; Duke University*
- **93:** Quality Control of PCC Usage in Cardiac Surgery Daniel Betterly, MD; Kamrouz Ghadimi, MD; Ian Welsby, MBBS FRCA; Duke
- **94:** Risk Factors for Predicting Early Postoperative Bleeding After the Intermediate Bleeding Risk Cardiac Procedures Eunhee Kim, MD; Eunjung Oh, MD; Seunghyeon Lee, MD; Jong Hwan Lee, MD PHD; Sangmin Lee, MD PhD; Samsung Medical Center
- **95:** Obesity-Reduced Blood Loss and Transfusions in Patients Undergoing Coronary Artery Bypass Mingya Wang, Bachelor; Hushan Ao; Fuwai Hospital, Chinese Academy of Medical Sciences
- **96:** Change of the PA Flow Profile Immediately After the TCPC Conversion From APC-Fontan Satoshi Kurokawa, MD; Shiori Sakuma, MD; Keita Sato, MD; Shihoko Iwata, MD; Yusuke Seino, MD; Minoru Nomura, MD; Tokyo Women's Medical University
- **97:** Validation of the FORE-SIGHT Elite Tissue Oximeter for Measurement of Somatic Oxygenation in Children Barry Kussman, MBBCH; Paul Benni, PhD; Lisa Bergersen, MD MPH; Rachel Bernier, MPH; Michelle Anderson, RN BSN; Viviane Nasr, MD; Boston Children's Hospital; CASMED, Branford, CT
- **98:** Infants With Large, Single, or Multiple Ventricular Septal Defects and Preoperative Clinically Proven/Culture Positive Sepsis: Is Deferring Surgery the Solution? Pravin Saxena, MD; Rajesh Sharma, MD; Anil Bhan, MD; Yatin Mehta, MD MNAMS FRCA; Medanta Medicity, Gurgaon, India; Medanta Medicity, Gurgaon, India
- **99:** Anesthesia Management of a 43-Year-Old Male With Congenitally Corrected Transposition of Great Arteries and Review of Literature
- Gustavo Munoz, MD; Roberto Diaz, MD; Sanjay Dwarakanathm, MD; Georgia Regents University
- **100:** Outcome of Neonates and Small Infants Undergoing Arterial Switch Operation With Preexisting Positive Markers of Sepsis: A Single-Center Experience Pravin Saxena, MD; Rajesh Sharma, MD; Anil Bhan, MD; Yatin
- Pravin Saxena, MD; Rajesh Sharma, MD; Anil Bhan, MD; Yatir Mehta, MD MNAMS FRCA; Medanta Medicity; Medanta Medicity
- **101:** Retrospective Study of Complete Atrioventricular Canal Defects: Anesthetic and Perioperative Challenges Aniruddha Janai; Wilfried Bellinghausen; Martin Kostelka; Farhad Bakhtiary; Joerg Hambsch, MD; Ingo Dähnert, MD; Jörg Ender; Heartcenter University Leipzig, Germany
- **102:** The Effects of Lateral Positioning and One-Lung Ventilation on Stroke Volume Variation Using Pulse Contour Measurements: A Prospective Study Teresa Moon, MD; Shital Vachhani, MD; Piotr Kwater, MD; Ensor Joe, PhD; January Tsai, MD; Gabriel Mena, MD; UT MD Anderson Cancer Center

Poster Session 2: Basic Science, CV Anesthesia, Coagulation, Structural Heart Disease, and Thoracic Anesthesia Abstracts

Sunday, April 12, 12:30-1:30 pm

Room: Marquis Foyer & Salons 12-14

103: Management of Massive Hemoptysis Luiz Maracaja, MD, University of Texas Health Science Center at San Antonio - Assistant Professor; Alejandro Hernandez, MD, Yale School of Medicine - Cardiothoracic Anesthesia Fellow; Yale School of Medicine

104: Comparison of Individually Modified Angled Tube and Conventional Angled Tube in Double-Lumen Tube Insertion: A Randomized, Controlled Clinical Trial Jeong Jin Min, MD; Jong Hwan Lee, MD PhD; Sangmin Lee, MD PhD; Eunjung Oh, MD; Seunghyeon Lee, MD; Samsung Medical Center

105: Knowing the Angle of Right Upper Lobe Bronchus Brings the Resurgence of the R-DLT Jean Bussières, MD; Michel Gingras; Lindsay Perron, MD; Jacques Somma; IUCPQ; Laval University

106: Knowing the Length of the Right Main Stem Bronchus Allows the Safe Use of the R-DLT Jean Bussières, MD; Michel Gingras; Lindsay Perron, MD; Jacques Somma; IUCPQ; Laval University

107: The Clinical Effectiveness of Pulmonary Artery Catheters Use on Costs and Long-Term Outcomes in Coronary Artery Bypass Grafting Surgery

Fei Xu, MD; Hushan Ao; Fuwai Hospital

108: Risk of Acute Kidney Injury in Thoracic Surgery by Fluid Restriction and Use of Hydroxyethyl Starch Yeon-Kyeong Yoo, MD; Hyun Joo Ahn; Jie Ae Kim; Mikyung Yang; Samsung Medical Center

109: Perioperative Management of Large Anterior Mediastinal Mass in 13-Year-Old Patient Emil Malamud, MD; Abisola Ayodeji; Maimonides Medical Center

110: Algorithm for Performing One-Lung Isolation in Patients With Aberrant Tracheal Bronchi *Michael Adeleye, MD; Tao Hong, MD; Georgia Regents University*

Poster Session 3: Echocardiography Abstracts and Quality Improvement Abstracts

Monday, April 13, 12:30-1:30 pm

Room: Marquis Foyer & Salons 12-14

111: Aortic Valve Coaptation Surface Area in the Setting of Aortic Insufficiency: 3D TEE Analysis of an Ex-Vivo Porcine and Finite Element Models

Marie-Eve Chamberland, MD; Talal Al-Atassi, MD MPH; Munir Boodhwani, MD MMSc; Michel Labrosse, PhD; Hadi Toeg, MD MSc; Benjamin Sohmer, MD

112: Evaluation of Left Ventricular Strain Using Speckle Tracking Echocardiography: A Comparison Between Two-Dimensional and Three-Dimensional Approaches Junaid Nizamuddin, MD; Tiffany Lee, MD; Sajid Shahul; Beth Israel Deaconess Medical Center; University of Chicago

113: How Well Do Three-Dimensional Echocardiographic Measurements of Mitral Valve Prostheses Correlate With the Manufacturer's Standard Measurements? Pingping Song, MD; Charles Nyman, MB BCh; Danny Muehlschlegel, MD; Stanton Shernan, MD FASE; John Fox, MD; Chuan-Chin Huang, ScD; Anne Purcell, BS; Douglas Shook, MD FASE; Brigham and Women's Hospital

114: Four-Dimensional Transesophageal Echocardiographic Evaluation of Mitral Valve Function After MitraClip Procedure Tatyana Shkolnikova, MD; Kei Togashi, MD MPH; Donald Oxorn, MD; Thomas Jones, MD; Mark Reisman, MD; G. Burkhard Mackensen, MD PhD FASE; University of Washington; University of Washington; Seattle Children's

115: A Comparison of 2D and 3D Transesophageal Echocardiography in the Assessment of Mitral Valve Paravalvular Leaks William Nelson, MD; Kerry Wilusz, BA; Chuan-Chin Huang, ScD; Stanton Shernan, MD FASE; Charles Nyman, MB BCh; Brigham and Women's Hospital

116: Left Ventricular Epicardial and Endocardial Strain Response to Acute Alterations in Preload Reed Harvey, MD; Kimberly Howard-Quijano, MD MS; Kentaro Yamakawa, MD; Tatsuo Takamiya, MD; Wei Zhou, PhD FAHA; Einat Mazor, BA RDCS; Aman Mahajan, MD PhD; UCLA; University of California–Los Angeles

117: Withdrawn

118: Method for Imaging the Delivery of Blood Cardioplegia Using Transesophageal Echocardiography Luiz Maracaja, MD, University of Texas Health Science Center at San Antonio - Assistant Professor; Raj Modak, MD, Yale School of Medicine - Cardiothoracic Anesthesia Fellow; Olabode Ogunwole, MD, Yale School of Medicine - Assistant Professor; Robert Schonberger, MD; University of Texas Health Science Center at San Anotnio; Yale School of Medicine

119: Comparison of Aortic Stenosis Grading Parameters Between Preoperative Transthoracic and Pre-Bypass Transesophageal Echocardiography George Whitener, MD; Joseph Sivak, MD; Igor Akushevich; Zainab Samad, MBBS MHS FACC; Madhav Swaminathan, MD FASE; Medical University of South Carolina; Duke University

120: Speckle-Tracking Analysis in Intraoperative Transesophageal Echocardiography: A Comparison to Simpson's and 3D Full-Volume Methods in Assessment of Left Ventricular Volumes and Ejection Fraction Natalie Hamilton, MD; Kari Obma, MD; Tamas Seres, MD; University of Colorado

121: Does Left Ventricular Strain Predict Postoperative Morbidity After Aortic Valve Replacement in Patients With Preserved Ejection Fraction?

Abraham Sonny, MD; Andra Duncan, MD; Cleveland Clinic, Cleveland, OH

122: Association of Paravalvular Leak on Echocardiography After Transcatheter Aortic Valve Replacement With Mortality: The Agreement of Transesophageal and Transthoracic Echocardiography.

Claire Dakik, MD; Emily Teeter, MD; Mary Cooter, MSc; Jeffrey Gaca, MD; Mark Stafford-Smith, MD; Brandi Bottiger, MD

123: Calculating Effective Regurgitant Orifice Area by the Standard PISA Method Underestimates Functional Mitral Regurgitation Severity

Phebe Ko, MD; James Hardy, MD; John Fox, MD; Douglas Shook, MD FASE; Frederick Cobey, MD MPH FASE; Chuan-Chin Huang, ScD; Stanton Shernan, MD FASE; Brigham and Women's Hospital; Tufts Medical Center

124: Pulmonary Artery Acceleration Time Does Not Accurately Estimate Pulmonary Artery Pressures in Patients Under General Anesthesia

Walter Quiroga Robles, MD; Christopher Tanaka, MD; Chaim Feigen; Michael Kho; Singh Nair, MD; Jonathan Leff, MD; Cynthia Taub, MD; Montefiore Medical Center/AECOM

125: Patterns of Rheumatic Heart Disease in a Large Cohort of Rwandan Surgical Patients

Carly Guthrie, MD; JaBaris Swain, MD; Claudia Sotillo, MSIV; Chuan-Chin Huang, ScD; Kerry Wilusz, BA; Joseph Mucumbitsi, MD MMed; Leon Mutesa, MD PhD; Ralph Bolman, MD; Luigino Nascimben, MD PhD; Danny Muehlschlegel, MD; Martin Zammert, MD; Brigham and Women's Hospital; King Faisal Hospital

126: Two-Dimensional Transesophageal Echocardiography for Regional Evaluation of Intraoperative Right Ventricular Function: Is There a Role for Something Different Than Tricuspid Annular Plane Systolic Excursion?

Alejandro Hernandez, MD; Farzad Ebrahimi, MD; Feng Dai, PhD; Raj Modak, MD; Department of Anesthesia

Poster Session 3: Echocardiography Abstracts and Quality Improvement Abstracts

Monday, April 13, 12:30-1:30 pm (continued)

127: Intraoperative Right Ventricular Longitudinal Strain Is Not Associated With Adverse Outcomes After Left Ventricular Assist Device Implantation

Jackson Rowe, BS; Daniel Beck, MD; Angela Moss, MS Biostatistics; Tamas Seres, MD; Jennifer Dorosz, MD; Ashok Babu; T. Brett Reece, MD FACS FAHA; David Fullerton, MD; Joseph Cleveland, MD; Karsten Bartels, MD; University of Colorado Denver; Anesthesiology; Kaiser Permanente Denver

128: Low Agreement Between TTE and TEE on Evaluation of Less-Than-Severe Mitral Valve Regurgitation Jonathan Hadaway, MD; Yong Peng, MD PhD; Terrie Vasilopoulos, PhD; University of Florida

129: Worsening Myocardial Performance Index Correlates With Increased Mortality in Sepsis Junaid Nizamuddin, MD; Shahzad Shaefi, MD; Sajid Shahul; Beth Israel Deaconess Medical Center, Harvard Medical School; Beth Israel Deaconess Medical Center, Ha; University

of Chicago

130: Diastolic Dysfunction as a Prognostic Factor for Patients Undergoing Transcatheter Aortic Valve Replacement Jeffrey Lyvers, MD; Philip Krapchev, MD; Andrew Weintraub, MD; Bonnie Corrigan, RN BSN; Frederick Cobey, MD MPH FASE; Tufts Medical Center

131: The Relationship Between Pulmonary Vein Flow Propagation Velocity and Pulmonary Artery Occlusion Pressure Using M-Mode Color Flow Doppler Echocardiography

Farzad Ebrahimi, MD; Alejandro Hernandez, MD; Feng Dai, PhD; Raj Modak, MD; Yale University

132: Bedside Focused Transthoracic Echocardiography in the Assessment of Acute Cardiopulmonary Abnormalities in the Post-Anesthesia Care Unit

Megan Lanigan, MD; Colin Boettcher, BA; Mojca Remskar Konia, MD PhD; Rehan Siddiqui, MD; Ying Lu, None; Michael Wall, MD; Ioanna Apostolidou, MD; University of Minnesota

133: Focused Cardiac Ultrasound (FoCUS): A Survey of Training Practices

Frederick Conlin, MD; Neil Connelly, MD; Adam Schwabauer, DO; Karthik Raghunathan, MD MPH; Jennifer Friderici; Research Assistant Professor

134: Transesophageal Echocardiography and Transthoracic Echocardiography Have a Low Agreement When Assessing Moderate RV and LV Systolic Dysfunction Jason Drennan, DO; Yong Peng, MD PhD; Terrie Vasilopoulos, PhD; Robert Covington; University of Florida

135: Evaluating Right Ventricular Function With Transesophageal Echocardiography Before and After Pulmonary Artery Thromboendarterectomy Performed Under Deep Hypothermic Circulatory Arrest Adrian Ionescu, MD; Vipin Mehta, MD FFARCSI; Massachusetts General Hospital - Harvard Medical School

136: Correlation Between Trans-Hepatic and Subcostal IVC Views to Assess IVC Variation: A Pilot Study Jacobo Moreno Garijo, MD; Massimiliano Meineri, MD; Duminda Wijeysundera, MD PhD; Toronto General Hospital; University Health Network.

137: Moderate Correlation and Fair Agreement Comparing Transthoracic Echocardiography (TTE) vs. Transesophageal Echocardiography (TEE) Modalities in Left Atrial (LA) and Left Ventricular End Diastolic Diameter (LVED) Measurements Robert Covington; Terrie Vasilopoulos, PhD; Yong Peng, MD PhD; University of Florida

138: The Current State of Transesophageal Echocardiography at U.S. Academic Medical Centers

Aris Sophocles, MD; Prakash Patel, MD; Jacob Gutsche, MD; John Augoustides, MD; Ronak Shah, MD; Lance Atchley, MD; Univ of Pennsylvania; University of Pennsylvania

139: Intraoperative Pulmonary Artery Acceleration Time as a Predictor of Systolic Pulmonary Artery Pressure Joshua Quick, MD; Frederick Cobey, MD MPH FASE; Philip Krapchev, MD; Tufts Medical Center

140: Evaluation of Alfieri Repair With Doppler Technique vs. Planimetry Shows Different Results When Comparing Intraoperative and Pre-Discharge Measurements Auhood Bukhary; Jaqueline Grace Da Rocha e Silva, MD; Joerg Ender, MD; Heart Center, University Leipzig

141: Intraoperative Pressure Half-Time Measurements by Transesophageal Echocardiography as an Endpoint for Goal-Directed Percutaneous Mitral Balloon Valvuloplasty William Grubb, MD; Sagar Mungekar, MD; Lilianna Cohen, MD FACC; Mohammad Chaudhry; Rutgers Robert Wood Johnson Medical School; Rutgers Robert Wood Johnson Medical School

142: Intraoperative Right and Left Ventricular Strain and Strain Rate Do Not Predict Postoperative Atrial Fibrillation After Cardiac Surgery

Jody Chou, MD; Andra Duncan, MD; Xiaohong Li

143: The Role of Transesophageal Echocardiography in Endocardial Lead Extraction for Cardiac Implantable Electronic Device Related Infection: A Single-Center Experience Luyang JIANG; Yi Feng, MD; Hui Ju, MD; Yan Jiang, MD; Peking University People's Hospital

144: Acute Risk Change in Cardiothoracic Admissions to Intensive Care (ARCTIC): A New Metric for Identifying Quality of Care in Cardiac Surgery

Tim Coulson; Michael Bailey, PhD MSc BSc(hons); Chris Reid, PhD; Dan Mullany; Lavinia Tran, PhD; David Pilcher

145: Effects of Modified Ultrafiltration on Vancomycin Levels During Cardiopulmonary Bypass

Daniel Hernandez Barajas, MD; Aaron Seller, DO; Nikolaus Gravenstein, MD; Kent Berg, MD MBA; Jennifer Ashton, PharmD; Ettore Crimi, MD; Univeristy of Florida; University of Florida; UF Health

146: Intraoperative Midazolam Does Not Delay Extubation After Coronary Artery Bypass Grafting Philip Roman, MD MPH; Sarah Cardillo, MD; Megan Anders, MD; Michael Mazzeffi; University of Maryland

147: Influence of Perioperative Factors on Early Extubation Brian Kelly; Frederick Cobey, MD MPH FASE; Anupama Gopinath; Stefan Ianchulev, MD; Kenneth Warner, MD

148: Increased Tracheal Cuff Pressure During Insertion of a Transoesophageal Echocardiography Probe: A Prospective Observational Study

Chang-Hoon Koo, MD; Yunseok Jeon, MD; Deok-Man Hong, MD; Jae-Hyon Bahk, MD; Susie Yoon, MD; Seoul National University Hospital

149: Organ Donation Referral and Practice Audit on a Cardiac Intensive Care Unit

Norfaizan Ahmad, MB ChB; Sheffield UK; FRCA UK; Jonathan Rosser; Helen Brown, Registered general nurse; Sean Clinton, Consultant Cardiac Anaesthesia; Northern General Hospital NHS Trust; NHSBT UK

150: Effect of Anesthesia Practice Models on Measurable Outcomes in a Community Cardiac Surgery Program Narisa Apichatibutra, MD; Wilfred Lewis, MD; Nathan Marengi, MD; Johanna O'Connor, MD; Ann Toran, MD FACS; North Shore Medical Center

151: Use of Bairhugger® and AllonThermoWrap® in Transcatheter Aortic Valve Replacement Surgery for Maintenance of Normothermia Brian Kelly; Maurice Joyce, MD MED; Frederick Cobey, MD

MPH FASE; Andrew Weintraub, MD; Stefan lanchulev, MD; Jiten Patel **152:** The Association of Intraoperative Midazolam Dose in Older Adults and Time to Extubation After Cardiac Surgery Sunberri Murphy, DO; Ami Naik, MD; Laeben Lester, MD; Ashish Shah, MD; Charles Hogue, MD; Glenn Whitman, MD; Viachaslau Barodka, MD; Charles Brown, MD; Johns Hopkins

153: Analgesia Post-Cardiac Surgery Survey Norfaizan Ahmad, MB ChB; Sheffield UK; FRCA UK; Alison Parnell, Consultant Cardiothoracic Anaesthesia; Tom Bendinger; Patrick Knowles, Consultant Cardiothoracic Anaesthesia; Northern General Hospital NHS Trust

154: Enhanced Recovery Is Safe and Facilitates Early Discharge in Cardiac Surgery

Thomas Varughese, MBBS FRCA; William Simpson, BSc MB ChB FRCA; Gillian Hardman, MBBS; Helen Saunders, MB ChB; Antony Walker, MB ChB FRCS(CTh) MD; Amal Bose, MD; Blackpool Teaching Hospitals NHS Foundation Trust; Blackpool Teaching Hospitals NHS Foundation; Blackpool Teaching Hospitals NHS Trust

155: Implementation of a Dedicated Stroke Team for Diagnosis and Treatment of Postoperative Strokes Following Cardiac Surgery

Gregory Kim; Germaine Cuff, PhD; Andre Bryan, MD; Peter Neuburger, MD; Marc Kanchuger, MD

156: Trend of Change in the Intraoperative Blood Glucose and Serum Potassium Level of Adult Patients Undergoing Off-Pump Coronary Artery Bypass (OPCAB) Surgery Kapil Gupta, MD; Delhi, Delhi, India

157: Costs of Hospitalization and Anesthesia of Coronary Artery Bypass Graft Surgery in Beijing From 2010 to 2011 Sipong Chen, MD; Hushan Ao; Xin Zhang, BD; Capital Medical University; Fuwai Hospital

Poster Session 4: Perioperative Medicine Abstracts and Interesting Case Reports

Tuesday, April 14, 12:30-1:30 pm

Room: Marquis Foyer & Salons 12-14

158: Cardiorespiratory Dynamics of Using Volatile Agents for Long-Term Intensive Care Unit Sedation
Angela Jerath, MBBS FANZCA; Deep Grewal, MD; Andrew Steel, MB BS MRCP FRCA FFICM FRCPC EDIC; Niall Ferguson, MD FRCPC; George Djaiani, MD; Marcin Wasowicz, MD PhD; Toronto General Hospital

159: Echocardiography Did Not Provide a Predictive Value for Postoperative Atrial Fibrillation in Lung And Esophageal Cancer Surgery

Javier Lasala, MD; Juan Cata, MD; Jose Banchs, MD FACC FASE; Reza Mehran, MD; Di Ai, MD PhD; MD Anderson Cancer Center

160: Recent Pattern of Statin Use in Cardiac Surgery on Stroke and Mortality Outcomes

Vanetta Levesque, MD; Manuel Fontes, MD; Mihai Podgoreanu, MD; Mark Newman, MD; Joseph Mathew, MD; Mark Stafford-Smith, MD; Miklos Kertai, MD PhD; Duke University Medical Center

161: Elevated Preoperative Hemoglobin A1c Level Is Not Associated With Major Adverse Events in Patients Undergoing Isolated Valvular Cardiac Surgery Amit Bardia, MMBS; Priyam Mathur, MS; Adam Lerner, MD; Kamal Khabbaz, MD; Daniel Talmor, MD; Balachundhar Subramaniam, MD MPH; Beth Israel Deaconess Medical Center

162: Withdrawn

163: Patterns of Early Distant Organ Injury Following Adult Cardiac Surgery

Antonio Hernandez, MD; Andrea Westman, MD; Andrew Shaw, FCCM FRCA MB; Frederic Billings, MD; Vanderbilt University

164: Greater Intraoperative Fluid Administration Increases the Risk for Primary Graft Dysfunction After Lung Transplantation Mariya Geube, MD; Silvia Perez-Protto, MD; Tory McGrath, MD; Andra Duncan, MD; Dongsheng Yang, MS; Daniel Sessler, MD

165: Prediction of Fluid Responsiveness in Patients With Atrial Fibrillation: Peep-Induced Increase in Central Venous Pressure vs. Passive Leg Raising

Young Song, MD; Jae-Kwang Shim, MD; Yon Hee Shim, MD PhD; Lee Woo Kyung; Young-Lan Kwak, MD; Yonsei University College of Medicine

166: Impact of Aorta Cross-Clamp and Cardioplegia on Myocardial Injury

Jeremy Bennett, MD; Susan Eagle, MD; Frederic Billings, MD; Vanderbilt University

167: Platelet Counts and Postoperative Stroke in Coronary Artery Bypass Surgery

Aimen El Manafi, MD MB ChB; Mary Cooter, MSc; Manuel Fontes, MD; Jorn Karhausen, MD PhD; Mark Stafford-Smith, MD; Mihai Podgoreanu, MD; Mark Newman, MD; Joseph Mathew, MD; Miklos Kertai, MD PhD; Duke University Medical Center

168: Impact of Increments of Propofol-Dosage on Left Ventricular Systolic Function During Propofol-Remifentanil Anesthesia for Cardiac Surgery

Tae-Yop Kim, MD PhD; Cheol-Hwan Park; Won-Kyoung Kwon; Nazri Mohamed, MD (UKM); Woon-Seok Kang; Joon Hum Yon, MD; Tae-Yoon Seong; Konkuk University Medical Center; Konkuk University School of Medicine; Sanggye Paik Hospital, Inje University; Konyang University Medical Center

169: Is Antibiotic Prophylaxis Warranted for the Prevention of Infective Endocarditis of the Native Bicuspid Aortic Valve? Yuka Kiyota, MD MPH; Karam Habchi, BS BA; Vanessa Monteiro Vieira, Bachelor of Science in Biochemistry; Marzia Leacche, MD; Simon Body, MBChB MPH FAHA; Brigham and Women's Hospital

170: Pituitary Apoplexy After On-Pump Coronary Artery Bypass Grafting in a Patient With Known Pituitary Macroadenoma

Blas Catalani, MD MPH; Sudipta Sen, MD; LSUHSC - Shreveport

171: Postoperative Nausea and Vomiting in Cardiac Surgery Patients and Caloric Intake: Is There a Link? Elisabeth De Waele, MD; Karlien De Bondt; Vincent Umbrain,

MD PhD; Duncam Nguyen: Herbert Spapen, MD PhD SCCM FCCM; University Hospitals Brussels

172: Immunosuppressive, Antiretroviral, and Perioperative Management of Two Human Immunodeficiency Virus-Positive Patients Undergoing Orthotopic Heart Transplantation Antonio Hernandez Conte, MD; Jon Kobashigawa, MD; Deanna Dilibero, PharmD; Michelle Kittleson, MD PhD; Lorraine Lubin, MD; Manxu Zhao, MD; W. David Hardy, MD; Fardad Esmailian, MD; General Anesthesia Specialists Partners; Cedars-Sinai Medical Center

173: Suboptimal Transseptal Puncture Leading to Device Capture in Anterolateral Chords During MitraClip Procedure, A Case Report

Amish Jasapara, MD; Chirojit Mukherjee, MD; Joerg Ender, MD; Heartcenter, University Leipzig, Germany; Heartcenter, University Leipzig, Gemany

174: Extra Cardiac Tumor Misdiagnosed as a Left Atrial Myxoma

Si-Oh Kim, MD; Kwangook Choi; Seong Wook Hong; Dongho Jung; Younghoon Jeon; Kyungpook National University Hospital

175: Stroke Following Lariat Closure of Left Atrial Appendage Kelly Kohorst, MD; Christopher Ellis, MD FACC FHRS; Michael Baker, MD; Robert Deegan, MD PhD; Vanderbilt Univ Med Ctr

176: Case of Penetrating Cardiac Trauma Utilizing Adenosine to Facilitate Surgical Management

Charles Minh; Maninder Singh, MD; MetroHealth Medical Center

177: Pregnancy in Women With Fontan Physiology: The Role of Fontan Type in Maternal Cardiovascular and Obstetric Complications

Melissa McCabe, MD; Richard Hong, MD; Jamil Aboulhosn, MD FACC FSCAI; Mary Canobbio, MN FAAN FAHA; University of California Los Angeles

178: The Perioperative Management of an Adult Patient With Univentricular Heart, Who Underwent Fenestrated Fontan Procedure With Use of Extracardiac Conduit

Shihoko Iwata, MD; Yoko Hramura, MD; Ai Ogiwara; Kou Ishikawa; Fumiko Ono; Yuji Hirasaki, MD; Minoru Nomura, MD; Tokyo Women's Medical Univ; Tokyo Women's Medical University Hospital

179: Percutaneous Coronary Sinus Catheter Placement by Anesthesiologists in Minimally Invasive Cardiac Surgery in Our Academic Center

Satoshi Hanada, MD; Michael Swerczek, MD; Kenichi Ueda, MD; University of Iowa

180: General Anesthesia vs. Sedation for Transcatheter Aortic Valve Replacement

Michelle Scanlon, DO; Gregory Kim; Glen Quigley, MD MBA; Brent Luria, MD; Peter Neuburger, MD; Robert Nampiaparampil, MD; Marc Kanchuger, MD; Jennie Ngai, MD

- **181:** Intraoperative Management of Patients With Left Ventricular Assist Devices Undergoing Endoscopic Procedures Dennis Thiel, MD; Julia Sobol, MD MPH; Columbia University Medical Center
- **182:** Transcatheter Medtronic Melody® Valve-in-Valve Implantation for Bioprosthetic Mitral Valve Dysfunction Winston Choi, MD; Thomas Jones, MD; Srdjan Jelacic, MD; Donald Oxorn, MD; Mark Reisman, MD; G. Burkhard Mackensen, FASE MD PhD; University of Washington SOM
- **183:** Use of Veno-Arterial ECMO to Manage Hypoxemia and Acute Cardiogenic Shock Induced by Catecholamines From Pheochromocytoma

Rehan Ali, MD; Suryanarayan Pothula, MD

- **184:** Postoperative Outcomes After Percutaneous Left Atrial Appendage Ligation With the LARIAT Device: A Case Series Marc Gutierrez, MD; Mias Pretorius, MBCHB MSCI; Christopher Ellis, MD FACC FHRS; Vanderbilt University Medical Center
- **185:** Transesophageal Echocardiographic Identification of Left Ventricular Assist Device Inflow and Outflow Cannulas: A Case Series

Andrea Westman, MD; Mias Pretorius, MBCHB MSCI; Vanderbilt University Medical Center **186:** Percutaneous Closure of Aortic Pseudoaneurysm Using a Type II Amplatzer Vascular Plug With Transesophageal Echocardiography Guidance

Hyo Jin Kim; Eunjung Oh, MD; Seunghyeon Lee, MD; Eunhee Kim, MD; Jeong Jin Min, MD; Jong Hwan Lee, MD PhD; Sangmin Lee, MD PhD; Samsung Medical Center

187: Alfieri Stitch to Manage Mitral Regurgitation After Surgical Excision of a Mitral Valve Myxoma Charles Minh; Maninder Singh, MD; MetroHealth Medical Center

188: Embolization of a Percutaneous Atrial Septal Closure Device

Rhett Hadley, MD; Anand Mehta, MD; Cleveland Clinic

189: Changing Mechanisms of Mitral Regurgitation During Repair and Role of Transesophageal Echocardiography in Outcome

Sohail Mahboobi, MD; Chhavi Manchanda; Ghaith Abdulkarim, MBBS; Lahey Clinic Medical Center; Lahey Hospital & Medical Center

190: Aortic Root Rupture During Transcatheter Aortic Valve Replacement

Nikola Bradic, MD; Ino Husedzinovic, MD PhD, Professor; Andrej Sribar, MD; Daniel Unic, MD; Cardiac Anesthesiology and Critical Care Medicine; Cardiac Surgery

191: Acute Limb Ischemia Caused by a Primary Cardiac Tumor in an 18-Year-Old

Hamdy ElSayed Awad, MD; Lisa Weaver, MD; Motaz Abas, BS; Mashhood Salahuddin, BS; Michael Essandoh, MD; Sujatha Bhandary, MD; Ohio State University

192: The Perioperative Management of a Patient With Transposition of Great Arteries Who Received Redo Aortic Valve Replacement Due to Implantated Freestyle Valve Insufficiency

Shihoko Iwata, MD; Ai Ogiwara; Yoko Haramura; Fumiko Ono; Kou Ishikawa; Minoru Nomura, MD; Tokyo Women's Medical Univ; Tokyo Women's Medical University Hospital

193: Acute Respiratory Compromise During Left Ventricular Assist Device Implantation

Michael Demos, MD; Oscar Aljure, MD; Univ of Miami Miller School of Medicine; University of Miami Miller School of Med

194: Continuous Paravertebral Blockade for Post-Thoracotomy Pain Following Transapical Transcatheter Aortic Valve Replacement: A Case Series

Timothy Heinke, MD; Brystol Henderson, MD; George Guldan, MD; Daniel Steinberg, MD; James Abernathy, MD MPH; Medical University of South Carolina

195: The Elephant in the Room: Anesthetic Considerations for a Patient With Carney Complex

Darian Rice, MD PhD; Robert O'Donnell, MD; Naval Medical Center Portsmouth

196: A Case of "Takotsubo" Cardiomyopathy Uncovered During General Anesthesia With Eventual Cardiovascular Collapse Requiring Epinephrine Rescue Robert Trainer, MD; Jian Zhang, MD; Jimmie Watkins, MD PhD DDS

Poster Session 4: Perioperative Medicine Abstracts and Interesting Case Reports

Tuesday, April 14, 12:30-1:30 pm (continued)

197: Posterior Mitral Chordae Rupture During Balloon Mitral Valvuloplasty Requiring Surgical Intervention Mohammad Chaudhry; Alann Solina, MD; Rutgers-Robert Wood Johnson Medical School

198: Intraoperative Use of Echo Contrast to Facilitate Diagnosis of Apparent Left Atrial Appendage Mass Kelly Kohorst, MD; Jason Kennedy, MD; Robert Deegan, MD PhD; Vanderbilt University Medical Center

199: Aversion for Avulsion: A Case of Traumatic Tricuspid Rupture

Nicholas Goehner, MD; Wendy Bernstein, MD MBA; University of Maryland Medical Center

200: Atrial Myxoma Involving Right Upper Pulmonary Vein in an Elderly Patient: An Unusual Presentation Joshua Newby, DO; Sudhakar Subramani, MD DNB PDCC MMed

201: Anomalous Coronary Artery: An Unusual Case Christopher Ahrens, DO; Rajeswari Chintapalli, MD; Saint Louis University

202: Anaesthesia Management for "Anomalous Origin of Left Coronary Artery from Pulmonary Artery" Repair Kapil Gupta, MD; Delhi, Delhi, India

203: Anesthetic Considerations and Management of a Patient With Stanford Type A Aortic Dissection Extending From the Aortic Root to the Right Common Iliac: A Story of Survival *Visal Patel, MD; Union City, NJ*

204: Broad Beta Disease Majid Ghodsi, MD; Tehran, Iran, Iran, Islamic Republic

Complex Case Poster Presentations I

Saturday, April 11, 10-11 am

Room: Marquis Foyer & Salons 12-14

B1: Infective Endocarditis of Primary Pacemaker Lead Device Resulting in Severe Tricuspid Regurgitation Not Amenable to Percutaneous Intervention

Brittney Williams, MD BA; Wendy Bernstein, MD MBA

B10: Acute Heart Failure for Urgent Surgery: Takotsubo Cardiomyopathy Identified Prior to Anesthetic Induction Lauren Steffel, MD; Jessica Brodt, MD, Stanford, CA; Stanford University School of Medicine

B11: Temperature Probe Position Confounding Double Lumen Endotracheal Tube Placement for Ventriculopleural Shunt Jacob Schaff, MD; Michael Hershey, MD; Minjae Kim, MD MS; Sumeet Goswami, MD MPH; Columbia University Medical Center

B12: Cardiopulmonary Resuscitation and Cardiac Arrest in the Acute Postoperative Cardiac Surgery Patient: A Case of Coronary Graft Dehiscence Following Cardiac Massage Brandon Lebow, MD; Owings Mills, MD; Wendy Bernstein, MD MBA, Baltimore, MD; Michael Mazzeffi, Fellow; Fellowship Director; Faculty Advisor

B13: Perioperative Considerations of Post-Myocardial Infarction Ventricular Septal Defect: Case Series Nidhi Sheokand, MBBS, Iowa City, IA; Sudhakar Subramani, MD DNB PDCC MMed, Iowa City, IA; United States University of Iowa Hospital; University of Iowa

B14: Anesthetic Management of Patient With Large Anterior Mediastinal Mass With SVC Syndrome for SVC Stenting *Bradley Graustein, MD, Portland, ME*

B15: Early Left Main Coronary Artery Occlusion After Surgical Aortic Valve Replacement

Jacqueline Lagoy, MD, New York, NY; Muoi Trinh, MD, New York, NY; Mount Sinai School of Medicine, New York, NY; Mount Sinai School of Medicine, New York

B16: Prophylactic Right-Sided Tandem Heart for Management of Potential Right Heart Failure Before Placement of a LVAD: A Novel Single-Vessel Percutaneous Approach Ankit Jain, MBBS, North Arlington, NJ; Albert Ju, MD, Glen Ridge, NJ; Resident; Attending Anesthesiologist

B17: Transesophageal Echocardiogram Guided Right Ventricular Assist Device Cannulation During Minimally Invasive Left Ventricular Assist Device Implantation Nicholas Anast, MD, Mountain View, CA; Ryan Mahaffey, MD, Palo Alto, CA; Lindsay Raleigh, MD, San Francisco, CA; Jessica Brodt, MD, Stanford, CA; Albert Cheung, MD, Stanford, CA; Stanford School of Medicine

B19: 3D Transesophageal Echocardiography Facilitates Transcatheter Closure and Management of Left Ventricular Outflow Tract to Left Atrial Fistula Julio Benitez-Lopez, MD, Miami, FL; Jadelis Giquel, MD, Miami, FL; Christina Matadial, MD, Miami, FL; Oscar Aljure, MD, Miami, FL; Ricardo Martinez-Ruiz, MD, Miami, FL; Jackson Memorial Hospital; University of Miami

B2: Primary Pulmonary Artery Sarcoma: An Elusive and Rare Entity

Heather Hayanga, MD MPH, Baltimore, MD; Farrah Sajan, MD, Baltimore, MD; Ana Parsee, MD, Baltimore, MD; Stephen Yang, MD; Kenton Zehr, MD, Baltimore, MD; Laeben Lester, MD, Baltimore, MD; The Johns Hopkins Hospital

B20: Go With the Flow: Ruptured Sinus of Valsalva Into the Right Atrium

Wendy Nguyen, MD, Baltimore, MD; Seema Deshpande, MBBS, Baltimore, MD; University of Maryland

B21: Hemodynamic Monitoring During a Total Aortic Arch Replacement in a Patient With a Bovine-Configuration Aortic Arch Aneurysm

Adrian Ionescu, MD, Boston, MA; Jason Qu, MD, Charlestown, MA; Massachusetts General Hospital - Harvard Medical School

B22: Torsades de Pointes Secondary to Amiodarone Infusion in HIV Patient Taking Antiretroviral Therapy Brian Fischer, MD PhD, Milwaukee, WI; William O'Byrne, MD, Milwaukee, WI; Medical College of Wisconsin

B23: Cardiopumonary Bypass and Deep Hypothermic Circulatory Arrest in a Patient With Inherited Antithrombin Deficiency

Abraham Sonny, MD, Cleveland, OH; Shiva Sale, MD, Beachwood, OH; Cleveland Clinic, Cleveland, OH

B24: Emergent Removal of Embolized Atrial Septal Occluder Device and Defect Repair

Parker Gaddy, MD; Eric Nelson, DO

B25: Successful ECMO Support Withdrawal via Bilateral Single Lumen Bronchial Intubation on a Patient With a Tracheo Esophageal Fistula Repair Oscar Aljure, MD, Miami, FL; Yiliam Rodriguez, MD, Miami,

Oscar Aljure, MD, Miami, FL; Yillam Rodriguez, MD, Miami, FL; Mona Ehasz, DO, Hollywood, FL; Jadelis Giquel, MD, Miami, FL; Nestor Villamizar, MD, Miami, FL; Anthony Panos, Miami Beach, FL; John Sciarra, MD, Miami, FL; University of Miami/Jackson Memorial Hospital

B26: Cardiac Sarcoidosis: Challenging Anesthetic Management Alexandra Baracan; Daniela Orza, MD; Cornel Mihalache, MD

B27: Oxygenator Thrombosis Upon Initiation of Cardiopulmonary Bypass Leading to Cerebral Infarction Aaron Mittel, MD, Boston, MA; Balachundhar Subramaniam, MD MPH, Lexington, MA; Adam Lerner, MD, Georgetown, MA; Beth Israel Deaconess Medical Center; Harvard Medical School; Beth Israel Deaconess Medical Center

B29: Anomalous Hepatic Vein to Left Atrium Connection With Severe Mitral Regurgitation Resulting in Massive Left Atrium Michael Dutt, MD; Muoi Trinh, MD, New York, NY; Mount Sinai Hospital

Complex Case Poster Presentations I

Saturday, April 11, 10-11 am (continued)

B3: Anesthetic Management of a Young Adult Patient With Congenital Heart Disease Presenting for EGD Abisola Ayodeji, Brooklyn, NY; Jason Fu, MD, Bayside, NY; Kalpana Tyagaraj, MD, Staten Island, New York; Maimonides Medical Center

B30: Transaortic Valve Gradients After Aortic Valve Replacement and Mitral Valve Replacement Leonid Gorelik, MD, Columbus, OH; Michael Essandoh, MD, Columbus, OH; Sujatha Bhandary, MD, Columbus, OH; The Ohio State University/Ross Heart Hospital

B31: New Severe Mitral Regurgitation After Ventricular Aneurysm Repair

Leonid Gorelik, MD; Michael Essandoh, MD, Columbus, OH; Galina Dimitrova, MD, Columbus, OH; The Ohio State University/Ross Heart Hospital

B32: Percutaneous Valve-in-Valve Deployment for Severe Symptomatic Bioprosthetic Tricuspid Valve Stenosis as an Alternative to Redo Sternotomy or Thoracotomy Bruce Kaufman, MD; Neal Duggal, MD, Ypsilanti, MI; University of Michigan

B33: Transesophageal Echocardiographic Evaluation of a Double Chambered Right Ventricle Diagnosed in Adulthood Oscar Aljure, MD, Miami, FL; Frank Gencorelli, MD, Miami, FL; Yiliam Rodriguez, MD, Miami, FL; Richard Kardon, DO, Miami, FL; Eliot Rosenkranz, MD, Miami, FL; University of Miami/ Jackson Memorial Hospital

B34: Intraoperative Diagnosis of an Asymptomatic Ascending Aortic Rupture

Megan Kostibas, MD, Columbia, MD; Mary Beth Brady, MD, Cockeysville, MD; Viachaslau Barodka, MD, Baltimore, MD; Heather Hayanga, MD MPH, Baltimore, MD; Johns Hopkins Hospital; Johns Hopkins Hospital; Assistant Professor of Anesthesiology

B35: A Successful Heart Transplant But a Sutured in Central Line Tip: A Re-Exploration That Could Be Avoided! Ankit Jain, MBBS, North Arlington, NJ; Rajendra Raval, MD, Warren, NJ; Resident; Attending Anesthesiologist

B36: Convergent Atrial Fibrillation Ablation: Anesthetic Considerations

Kailian Chen; Walter Bethune, MD, Brooklyn, NY; Maimonides Medical Center

B37: Use of Mechanical Support for Failing Single Ventricle Physiology

Paul Jacobs, DO, Seattle, WA; Michael Hall, MD, Seattle, WA; Fellow, Cardiothoracic Anesthesiology; Faculty Mentor

B38: Ross Procedure in a Patient With Bicuspid Pulmonary Valve

Eva Caroline Gebhard, Montreal, QC, Canada; Georges Desjardins, MD FRCPC FASE, Montréal, QC, Canada; Christian Ayoub; Jennifer Cogan, MD, Montreal, QC; Pierre Couture, MD, Montreal, QC; Andre Denault, MD, Longueuil, QC, Canada; Alain Deschamps, MD PhD, Montreal, QC, Canada; Jean-Sebastien Lebon, MD, Westmount, QC, Canada; Claudia Viens, MD, Montreal, QC, Canada; Ismail El-Hamamsy, MD PhD, Montreal, Quebec, Canada; Antoine Rochon, MD, Montreal, QC, Canada; Montreal Heart Institute

B39: Minimally Invasive Mitral Valve Replacement in a Patient With Previous Sternotomy and Severe Pulmonary Hypertension Requiring One-Lung Ventilation Hilda Alfaro, MD, London, ON, Canada; Ivan Iglesias, MD FRCPC FASE, London, ON, Canada; Mauricio Giraldo; Cardiac Anesthesiologist; Cardiac Anesthesia Fellow; Cardiac Anesthesiologist; Neuro Anesthesia Fellow

B4: Intraoperative Diagnosis and Management of a Left Atrial Intramural Hematoma

Esther Garazi, MD; David Buric, BS; Harish Siddaiah, MD; Ricardo Martinez-Ruiz, MD

B40: Septic Thrombus Removal and Aortic Valve Replacement in an End-Stage Renal Disease Patient With Fungal Septicemia

John Albert, MD, Cleveland, OH

B41: Anesthetic Management of Superior Vena Cava Syndrome Due to an Aortic Pseudoaneurysm in a Redo Aorta Operation: A Rare Clinical Presentation Natasha Malackany; Jennifer Hargrave, DO, Cleveland, OH; The Cleveland Clinic

B42: Perioperative Management of Giant Right Atrial Myxoma Jacob Uhler, MD, Dublin, OH; Michael Essandoh, MD, Columbus, OH; Michael Andritsos, MD, Dublin, OH; The Ohio State University Wexner Medical Center

B44: Fatal Arterial Air Embolism in a Patient With Left Ventricular Assistant Device (LVAD) During Transplant Surgery Nelson Gonzalez, MD; John Murkin Murkin, Professor of Anesthesiology (Senate), London, ON, Canada; Schulich Medicine Western University

B45: Ligation of Tracheoesophageal Fistula (TEF) in a Neonate With Complex Congenital Heart Disease (CHD) Deborah Romeo, MD ScM, Cincinnati, OH; Joanna Rosing, MD, Cincinnati, OH; Erica Lin, MD, Cincinnati, OH; Cincinnati Children's Hospital Medical Center

B46: Intraoperative Managment of Pulmonary and Tricuspid Valve Replacement for Carcinoid Right Disease Sarah Dodd, MD, Rochester, MN; Martin Abel, MBBCH; Kent Rehfeldt, MD; Mayo Clinic

B47: Pulmonary Artery Aneurysm Involving the Main and Left PA in a Patient With Pulmonic Stenosis

Mina Oftadeh, DO, Chicago, IL; Pierre LeVan, MD, Maywood, IL; Taqdees Sheikh, MD, Maywood, IL; Neal Mehta, Chicago, IL; Loyola University Medical Center

B48: Placement of Transcatheter Bioprosthetic Aortic Valve in Descending Aorta for Treatment of Severe Aortic Valve Regurgitation

Pablo Guzman, MD; Jayson Morgan, MD; Raj Makkar, MD; Wen Cheng, MD; Robert Siegel, MD; Antonio Conte, MD MBA; Daniel Sullivan, MD

B49: TEE Finding of Systolic Anterior Motion of the Mitral Valve During Orthotopic Liver and Small Bowel Transplantation

Cale Kassel; Nicholas Markin, MD, Omaha, NE; Thomas Nicholas, MD, Omaha, NE; University of Nebraska Medical Center

B5: Repair of Acute Type A Aortic Dissection in a Spanish-Speaking Jehovah's Witness Patient

Andrew Schroeder, MD, Madison, WI; Andrew Anderson, DO, Madison, WI; Richard Wolman, MD MA, Madison, WI; University of Wisconsin

B50: Large Right Atrial Myxoid Malignancy Diagnosed by Echocardiography

Austin Adams, MD; Nathan McIntire, MD; Mike Fee, MD

B51: Rescue Transcatheter Aortic Valve Replacement for Cardiogenic Shock Secondary to Stenosis of a Bioprosthetic Aortic Valve

Lindsay Raleigh, MD, San Francisco, CA; Nicholas Anast, MD, Mountain View, CA; Ryan Mahaffey, MD, Palo Alto, CA; Charles Hill, MD, Stanford, CA; Albert Cheung, MD, Stanford, CA; Vidya Rao, MD MBA, Stanford, CA; Stanford University School of Medicine

B52: The Perioperative Management of an Adult Patient With a Symptomatic Mediastinal Mass

Bradley Hammond, DO, Wilmington, DE; Cherie Erkmen, MD, Philadelphia, PA; Scott Schartel, DO, Dresher, PA; Michael Keresztury, MD, Philadelphia, PA; Yidy Salamanca, MD; Glen Burnie, MD; TUHS

B53: Septal Resection for Hypertrophic Obstructive Cardiomyopathy: VSD That Led to an Orthotopic Heart Transplant

Philip Choi, DO; Pingle Reddy, MD FASE, Glen Allen, VA; David Farr, MD, Chesterfield, VA; Virginia Commonwealth University

B54: Superior Vena Cava Syndrome Following Adult Open Cardiac Surgery

Todd Peacock, MD, Winston-Salem, NC; Benjamin Morris, MD, Winston-Salem, NC; Wake Forest Baptist Health

B55: Anesthetic Management of Patient With Cor Triatrium, Persistent Left SVC, and Severe Pulmonary Hypertension *John Anderson-Dam, MD; Johanna Schwarzenberger, MD, Los Angeles, CA; UCLA*

B56: One-Lung Ventilation in the Setting of Pulmonary Hypertension and a Left Ventricular Assist Device Eleanor Vega, MD, Portland, OR; Valerie Sera, MD DDS, Portland, OR; Oregon Health and Science University

B57: Innominate Artery and Aortic Arch Aneurysm With Contained Rupture and Tracheal Compression Nelson Burbano; Anand Mehta, MD; Asha Singh, MD

B58: Extracorporeal Membrane Oxygenation Placement Complicated by Hepafin-Induced Thrombocytopenia and Hemorrhagic Shock

Nelson Burbano; Donn Marciniak, MD, Broadview Heights, OH; Asha Singh, MD, Cleveland, OH; Cleveland Clinic Foundation

B59: Remifentanil and Succinylcholine Use in TAVR Procedures Facilitating Early Extubation Farhan Mazhar, MD, Schaumburg, IL; Chiranjeev Saha, MD MS, Oak Park, IL; Resident; Attending

B6: Pericardial Window With Acute Pulmonary Edema Managed With Extracorporeal Membrane Circulation (ECMO) and Intraoperative Use of the TandemHeart System *Alexandra Lewis; Sugantha Sundar, MD*

B60: Simultaneous Endovascular and Surgical Repair of Multiple Aortic Anomalies in a Patient With Turner Syndrome Eleanor Vega, MD, Portland, OR; Stephen Robinson, MD, Portland, OR; Oregon Health and Science University

B7: Two Dissecting Ascending Aneurysms With Pericardial Rupture

Tyson Vandagriff, MD, Columbia, MO; Joseph Reeves-Viets, MD MBA, Columbia, MO; University of Missouri-Columbia; University of Missouri-Columbia

B8: Alternative Management of Post-Deployment Embolization of Prosthetic Aortic Valve Into the Left Ventricle Following TAVR

Jonathan Hadaway, MD, Gainesville, FL; Julia Bauerfeind, MD, Gainesville, FL; Dustin Hegland, MD, Gainesville, FL; J. Christopher Goldstein, MD, Gainesville, FL; University of Florida

B9: Like a Rock: Atypical Presentation of a Heavily Calcified Atrial Myxoma

Chinwe Nwosu, MD, Baltimore, MD; Seema Deshpande, MBBS, Baltimore, MD; Resident; Assistant Professor

B239: Reoperative Mechanical Aortic Valve Replacement in a Patient With Dwarfism

Craig Belon, MD; Joanthan Hastie

B240: Transesophageal Echocardiography Revealed Left Arterial Rupture in Patient With Whom Left Ventricle Rupture Were Suspected After Mitral Valve Replacement Toshihiro Kono, MD; Yoshihiko Ohnishi, MD; Kenji Yoshitani, MD

Complex Case Oral Presentation With Expert Panel

Saturday, April 11, 1-2 pm

Room: Monument

Profound Hypotension Caused by an Unrecognized Aortocaval Fistula in a Patient Undergoing Coronary Artery Bypass Grafting

Ryan Butterworth, MD; Mias Pretorius, MBCHB MSCI; Nashville, TN; Vanderbilt University Medical Center

Novel Cannulation Approach for TandemHeart™ Right Ventricular Assist Device in Setting of Internal Jugular Venous Thrombosis and Bilateral Subclavian Stenosis Stacy Krueth, Los Angeles, CA; Danny Ramzy, MD PhD, Los Angeles, CA; Antonio Conte, MD MBA, Los Angeles, CA; Lorraine Lubin, MD, Playa Del Ray, CA; Diba Daneshrad, MD, Cedars Sinai Medical Center; Cedars-Sinai Medical Center

The Cabral Baffle: Achieving Hemostasis in a Patient With a Pseudoaneurysm of the Mitral-Aortic Intervalvular Fibrosa Undergoing Redo Aortic Root Replacement With Homograft for Endocarditis

Adrian Ionescu, MD, Boston, MA; Carolyn Mehaffey, MD Boston, MA; Massachusetts General Hospital–Harvard Medical School

Transcatheter Closure of Aortopulmonary Fistula: Role of Intraoperative Transesophageal Echocardiography Abraham Sonny, MD, Cleveland, OH; Anand Mehta, MD, Cleveland, OH; Cleveland Clinic, Cleveland, OH

Complex Case Poster Presentations II

Saturday, April 11, 5-6 pm

Room: Marquis Foyer & Salons 12-14

B28: Coronary Artery Graft Thrombosis From Undiagnosed Factor V Leiden Deficiency Immediately After Coronary Artery Bypass Surgery

Vandy Gaffney, MD MS, North Augusta, SC; Tyler Lee Evans, DO, Evans, GA; Vikas Kumar, Augusta, GA; Sanjay Dwarakanath, MD, Augusta, GA; Resident Physician; Supervising Physician

B100: Rare Complication of Atrio-Esophageal Fistula After Ablation for Atrial Fibrillation

Michael Fabbro; Jonathan Frogel, MD, Philadelphia, PA; Jared Feinman, MD, Philadelphia, PA; Prakash Patel, MD, Newtown, PA; University of Pennsylvania

B101: CPAP and Sedation for SVC Stent Placement for Severely Symptomatic SVC Syndrome: The Best Anesthetic in a Difficult Situation!

Man Piu Wong, MD, Boston, MA; John Fox, MD, Hanover, MA; Robert Pilon, MD, Boston, MA; Alisa Suzuki Han, MD, Boston, MA; Galina Davidyuk, MD PhD, Boston, MA; Brigham and Women's Hospital

B102: Sepsis and Cardiopulmonary Bypass Wesley Allen, MD, Columbia, MO; Magda Miller, MD, Columbia, MO; Joseph Reeves-Viets, MD MBA, Columbia, MO; University of Missouri-Columbia

B103: Acute Ischemic Ventricular Septal Defect and Inferior Wall Aneurysm Necessitating Emergent Veno-Arterial Extracorporeal Life Support Complicated by Heparin-Induced Thrombocytopenia and Non-Coronary Aortic Valve Thrombus on Bivalirudin

Gregory Weiss, MD, Lafayette, Colorado; Kari Obma, MD, Denver, CO; University of Colorado Hospital

B104: Open Heart Implantation of a Melody Valve in a Native Mitral Valve With Mitral Annular Calcification John Charoonbara, MD, Belleville, NJ; Himani Bhatt, DO MPA, Forest Hills, NY; Icahn School of Medicine at Mount

B105: Massive Air Embolism Treated With Targeted Temperature Management

Tyler Lee Evans, DO, Evans, GA; Erin Switzer, DO, Evans, GA; Vikas Kumar, Augusta, GA; Sanjay Dwarakanath, MD, Augusta, GA; Manuel Castresana, MD, Augusta, GA; Georgia Regents University

B106: Concurrent Transcatheter Aortic and Mitral Valve-in-Valve Implantation via the Transapical Approach in a High-Risk Patient With Double Degenerated Bioprostheses Loreen Mane, MD; Ettore Crimi, MD, Gainesville, FL; Thomas Beaver, MD, Gainesville, FL; University Florida, College of Medicine

B107: The Central Role of Nitric Oxide in Vasopressor-Refractory Protamine Hypotension

June Chan, MBBS FANZCA, New York, NY; Adam Lichtman, MD FASE, Brooklyn, NY; Emil Bogdanov, MD, New York, NY; New York Presbyterian Hospital-Weill Cornell Medical Center

B108: Postoperative Neurologic Compromise Related to Migration of Native Valve Fragment Following Robotic Mitral Valve Annuloplasty

Michelle Scanlon, DO; Gregory Kim; Glen Quigley, MD MBA; Robert Nampiaparampil, MD; Jennie Ngai, MD

B109: Bridging to Transplant: Anesthetic Management of a Left Ventricular Assist Device Implantation Without Cardiopulmonary Bypass

Matthew Waldron, MD, Chicago, IL; Rima Griauzde, MD, Chicago, IL; University of Florida; Northwestern University

B110: Combined Adrenal Pheochromocytoma Resection and Off-Pump CABG

Bradley Coker, MD, Birmingham, AL; Benjamin Tuck, MD, Mountain Brook, AL; James Sparrow, MD, Birmingham, AL; Brad Hymel, MD, Baton Rouge, LA; Fellow; Attending

B111: Isolated Right-Sided Endocarditis and Severe Septic Emboli

Christopher Der, MD; Diba Daneshrad, MD; Antonio Conte, MD MBA; Lorraine Lubin, MD

B112: Transcatheter Aortic Valve Replacement Complication: Uncertainties of Primary Valve Deployment

Nawar Al-Rawas, MD, Gainesville, FL; Kent Berg, MD MBA, Gainesville, FL; Gregory Janelle, MD FASE, Gainesville, FL; Robert Timmerman, MD, Gainesville, FL; University of Florida

B113: 57-Year-Old, 150-kg Female With Rheumatic Valve Disease and Tracheal Stenosis for Robotic Mitral Valve Replacement

Justin Tawil, MD, Pittsburgh, PA

B114: Inadvertent Right Atrial Perforation During Pulmonary Artery Catheter Insertion in a Patient With Indwelling Pacemaker Wires

Cory Robertson, MD; Pushpa Koyyalamudi, MD; Seth Baker, MD

B115: Cardiac Tamponade Presenting as a Posterior Effusion Secondary to Right Ventricular Perforation During TAVR and Pacemaker Placement

John Berry; Feroze Mahmood, MD, Sharon, MA; Beth Israel Deaconess Medical Center

B116: Perioperative Management of a Hysterectomy Patient With a Difficult Airway and a Previous Fontan Procedure Michelle Gorgone, MD, Dorchester, MA; Joseph Weidman, MD, Boston, MA; Massachusetts General Hospital

B117: An Unusual Case of Main Pulmonary Artery Stenosis Ellen Richter, MD, Atlanta, GA; Mark Caridi-Scheible, MD, Atlanta, GA; Emory University Hospital

B118: Hypermetabolic Syndrome Masked by Cardiopulmonary Bypass in a Man With Idiopathic Cardiomyopathy

Christopher Press, MD, Palo Alto, CA; Jimmy Wong; Stanford University Medical Center

Complex Case Poster Presentations II

Saturday, April 11, 5-6 pm (continued)

B119: Complications of the Mitral Clip Aaron Wolfe, MD; Ravi Vivekanand Joshi, MD, Dallas, TX; Norman Huang, DO, Carrollton, TX; University of Texas Southwestern

B120: Atrioventricular Groove Tear During Mitral Valve Repair: A Case Report

Gerald Rosen, MD, Miami Beach, FL; Jonathan Lin, MD, Miami, FL; MSMC; Mount Sinai Medical Center

B61: Acute Supravalvular Aortic Stenosis After Type A Aortic Dissection Repair

Phebe Ko, MD, Boston, MA; Jeffrey Swanson, MD, Cambridge, MA; Charles Nyman, MB BCh, Waban, MA; Stanton Shernan, MD FASE, Boston, MA; Michael D'Ambra, MD, Cambridge, MA; Brigham and Women's Hospital

B62: Isolated Pulmonary Native Valve Infectious Endocarditis (PNVIE)—A Rare Event With a Rare Organism Huan Wang, MD, Brookline, MA; Nelson Thaemert, MD, Boston, MA; Brigham and Women's Hospital

B63: Experience of Recall of Intraoperative Awareness After Cardiac Surgery

Hye Joo Yun; Ji-Yeon Sim

B64: Acquired Gerbode Defect in a Patient Following Mitral Valve Replacement

Nathan Lee, MD, Albuquerque, NM; Lev Deriy, MD, Albuquerque, NM; Neal Gerstein, MD FASE, Albuquerque, NM; Kirsten Tolstrup, MD FACC FASE, Albuquerque, NM; University of New Mexico School of Medicine

B65: A Case of Severe Biventricular Failure and Cardiac Arrest Secondary to Acute Eosinophilic Necrotizing Myocarditis Rescued on Venoarteriovenous ECMO *Nicholas Yeldo, MD, West Bloomfield, MI*

B66: Pain Control and Sedation in a Patient on Extracorporeal Membrane Oxygenation: An (In)Consistent Challenge Marilyn Michelow, MD; David Silver, MD; Lauren Cornella, MD

B67: Perioperative Considerations of Transient Severe Mitral and Tricuspid Regurgitation Secondary to Dysrhythmia and Pacemaker Augmented Dyssynchrony Pankaj Jain, MD, Cleveland, OH; Jennifer Hargrave, DO, Cleveland, OH; Cleveland Clinic Foundation

B68: Explant of Aortic Endo-Graft, Case Report and Anesthetic Considerations

Alexandru Gottlieb, MD, Cleveland, OH; R. Pol; J Alvares, MD; Cleveland Clinic; Fellow

B69: Massive Pulmonary Embolism During Bilateral Lung Transplantation Diagnosed With Transesophageal Echocardiography

Leah Gross, MD; Stephen Bird, San Antonio, TX; UTHSCS; SAUSHEC

B70: Aortic Root Replacement With Concurrent Glioma Daniel Broderick, MD, Atlanta, GA; Sofia Fischer, MD, Atlanta, GA; Emory University School of Medicine **B71:** Successful Repair of Traumatic Retrohepatic Vena Cava Injury by Using Cardiopulmonary Bypass Michael McClain, DO, Lexington, KY; Oksana Klimkina, MD, Lexington, KY; University of Kentucky

B72: Intramural Esophageal Hematoma After Transesophageal Echocardiography for Percutaneous Mitral Valve Repair With MitraClip

Matthew McConnell, MD, Cleveland Heights, OH; Jennifer Hargrave, DO, Cleveland, OH; Cleveland Clinic

B73: Unicuspid Aortic Valve With a Right Aortic Arch and a Persistent Left Superior Vena Cava Requiring an Aortic Valve Replacement and Ascending Aortic Aneurysm Repair Cesar Padilla, MD, Los Angeles, CA; Harish Ram, MD, Los Angeles, CA; Manxu Zhao, MD, Los Angeles, CA; Resident; Cardiac Anesthesiology Fellow; Anesthesia Attending

B74: An Unexpected Finding After Unsuccessful Percutaneous Tricuspid Valve Replacement Marc Gutierrez, MD, Nashville, TN; Mias Pretorius, MBCHB MSCI, Nashville, TN; Vanderbilt University Medical Center

B75: Migrating Aortic Valve Placed via Trans Apical Approach Matt Maxwell, MD MPH, Iowa City, IA; Srinivasan Rajagopal, MD, Iowa City, IA; University of Iowa Hospital

B76: Intracardiac Mass of Candida Albicans Following Total Parental Nutrition Use in a Medically Complicated Patient Joann Bolton, MD, Atlantic Beach, FL; Archer Martin, MD, Jacksonville, FL; Mayo Clinic Florida

B77: Repeated Cardioplegic Arrest of Donor Allograft During Orthotopic Heart Transplant

Natalia Martinez Acero, Harrisburg, PA; Erina Ng, MD, Baltimore, MD; Theodore Cios, MD MPH, Hershey, PA; Behzad Soleimani, MD, Hershey, PA; Dmitri Guvakov, MD, Hershey, PA; Penn State University Hershey Med Center

B78: Left Ventricular Outflow Tract to Left Atrium Fistula Due to Aortic Homograft Endocarditis

Thuan Ho, MD; Tan Trinh, MD, Galveston, TX; Erin Sreshta, MD, Galveston, TX; University of Texas Medical Branch

B79: TEE-Guided Arterial Cannulation in Chronic Aortic Arch Dissection

Natasha Malackany; Shiva Sale, MD, Beachwood, OH; Cleveland Clinic

B80: Ascending Aortic Thrombus in a Nonaneurysmal Minimally Atherosclerotic Aorta Dustin Dayton; Tara Humphrey, DO

B81: Acute Mitral Regurgitation Caused by Papillary Muscle Rupture After Acute Myocardial Infarction Sarah Cardillo, MD; Patrick Odonkor, MD, Laurel, MD; U of Maryland School of Medicine

B82: Pulmonary Edema After Radiofrequency Ablation—Not All Ablation Catheters Are Equal!

Dirk Varelmann, MD DESA EDIC, Boston, MA; Frank Inglese, BS, Boston, MA; John Fox, MD, Hanover, MA; Brigham and Women's Hospital

B83: Risk to Life and Limb: Prosthetic Valve Endocarditis With Subsequent Brachial Artery Thrombus

Gregory Kim, New York, NY; Paul Shekane, MD, New York, NY; June Rim, MD, New York, NY; Peter Neuburger, MD, New York, NY; Jennie Ngai, MD, New York, NY; New York University Medical Center

B84: Right-to-Left Shunting Across a Patent Foramen Ovale Causes Hypoxia in a Patient With Aortic Root Compression of the Right Atrium

Carly Guthrie, MD, Boston, MA; Charles Nyman, MB BCh, Waban, MA; Brigham and Women's Hospital

B85: Right Ventricular Assist Device Utilization After Post Infarct Ventricular Septal Rupture Repair Marco Del Castillo; Antonio Chiricolo, MD

B86: Pulmonary Vein Thrombosis Following Single-Lung Transplantation

Danielle McCall, MD, University of Louisville, Louisville, KY

B87: Percutaneous Extraction of a High-Risk AICD Lead With Large Vegetations: A Procedural Conundrum Amanda Kleiman, MD; Gautam Sreeram, MD

B88: "Run Of My Life": Anomalous Course of Left Main Coronary Artery in a Young Female Marathon Runner. Poovendran Saththasivam, Philadelphia, PA; Michael Green, DO, Moorestown, NJ; Naomi Smukler, MD; Hahnemann/ Drexel University

B89: Drain or No Drain? The Safety of CSF Drain Placement in an Emergent Type A Aortic Dissection Repair With TEVAR Brystol Henderson, MD, Charleston, SC; James Abernathy, MD MPH, Charleston, SC; Eric Nelson, DO, Charleston, SC; Medical University of South Carolina

B90: A Case of Orthotopic Liver Transplant in a Patient With Brugada Syndrome

Kimberly Nicol, DO, Birmingham, MI; Santiago Uribe-Marquez, MD; Michael Isley, MD; Lebron Cooper, MD; Henry Ford Hospital, Detroit, MI

B91: Management of latrogenic Right Ventricle Free Wall Perforation During Epicardial VT Ablation: Percutaneous Repair With an Amplatzer Closure Device Natalie Hamilton, MD, Denver, CO; Matthew Zipse, MD, Denver, CO; John Messenger, MD, Aurora, CO; John Carroll, MD, Aurora, CO; William Sauer, MD, Aurorar, CO; Ashok

Babu; Tamas Seres, MD, Aurora, CO; University of Colorado

B92: Tricuspid Valve Rupture During AngioVac Suction Pulmonary Embolectomy

Omar Satter, MD, Los Angeles, CA; Lorraine Lubin, MD, Playa Del Ray, CA; Cedars-Sinai Medical Center

B93: Transesophageal Echocardiography Guides Surgical Intervention in a Patient With Platypnea Orthodeoxia Syndrome Undergoing Valve-Sparing Aortic Root Replacement

Adrian Ionescu, MD, Boston, MA; Michael Andrawes, MD, Boston, MA; Massachusetts General Hospital–Harvard Medical School

B94: The Use of Transesophageal Echocardiographic Transducer for Continuous Fetal Monitoring in Pregnant Patients Undergoing Cardiac Surgery.

Atsushi Egawa, Shimotsuke-Shi, Tochigi, Japan; Kenji Yoshitani, MD, Suita Osaka, Osaka, Japan; Yoshihiko Ohnishi, MD, Suita Osaka, Osaka, Japan; National Cerebral and Cardiovascular Ctr

B95: Anesthetic Management of Combined Heart-Liver Transplantation for Familial Amyloidosis Matthew Barker, MD; Pingle Reddy, MD FASE

B96: An Unusual Case of a Large Intracardiac Tumor Extending Into the Left Ventricular Outflow Tract Daniel Wyler, MD, New York, NY; Isaac Yoshii, MD, New York, NY; Cindy Wang, MD, New York, NY; Resident; Attending

B97: Right Ventricular Outflow Tract Mass Removal in a Parturient

Andrea Girnius, MD, Cincinnati, OH; Matthew Wallace, MD, Cincinnati, OH; University of Cincinnati

B98: Rapid Ventricular Pacing as a Rescue Option During Port Access Cardiac Surgery After Unsuccessful Aortic Endoclamp Michael Fabbro; Ronak Shah, MD, Philadelphia, PA; Prashanth Vallabhajosyula, MD MS, Philadelphia, PA; W. Clark Hargrove, MD, Philadelphia, PA; Prakash Patel, MD, Newtown, PA; University of Pennsylvania

B99: Acute on Chronic Arch Dissection in a Patient With Turner Syndrome, Marfan Syndrome and Prior AVR/Aortic Root Repair

John McNeil, MD, Baltimore, MD; Ana Parsee, MD, Baltimore, MD; Kenton Zehr, MD, Baltimore, MD; Dan Berkowitz, MD, Baltimore, MD; Johns Hopkins Hospital

B241: Anesthetic Considerations in a Case of Combined On-Pump Aortocoronary Bypass With Mitral Valve Annuloplasty and Retrosternal Thyroidectomy

David Lin, MD; Ramesh M. Singa, MD MHS; Soma Shanker

Complex Case Poster Presentations III

Sunday, April 12, 10-11 am

Room: Marquis Foyer & Salons 12-14

B179: The Role of Transesophageal Echo in the Staged Repair of an Aortopulmonary Fistula From a Large Ascending Aortic Pseudoaneurysm

Daniel Winter, MD, University Heights, OH; Andrej Alfirevic, MD, Richfield, OH; Cleveland Clinic

B121: RFA With Esophageal Thermal Injury and Perforation and Cerebrovascular Accident

Shea Stoops, DO; Robert Devine, MD, Lenexa, KS; University of Kansas Medical Center

B122: Endocarditic TAVR Sapien Valve Excision With Open Redo Sternotomy Sapien Valve Procedure *Eric Kaderbek, MD, Texas Heart Institute, Niceville, FL*

B123: Diagnosis and Treatment of Left Ventricular Assist Device Extrinsic Outflow Graft Obstruction Campbell Williams, MD, Northwestern Memorial Hospital, Chicago, IL

B124: Intraoperative Discovery of a False Positive Chronic Type A Dissection as Diagnosed by EKG-Gated Computed Tomography and Transesophageal Echocardiography *Michael Majewski, MD, Hanover Park, IL*

B125: Thoracoabdominal Aortic Aneurysm Repair in a Patient With a Previously Corrected Aortic Arch Interruption *Meena Bhatia, MD, Houston, TX*

B126: Massively Increased Pulmonary Dead Space Post Cardiopulmonary Bypass (CPB): An Uncommon Occurrence? Pingping Song, MD, Brookline, MA; George Topulos, MD, Boston, MA; John Fox, MD, Hanover, MA; Brigham and Women's Hospital

B127: Inhaled Nitric Oxide Use After Right Coronary Artery Occlusion During Transcatheter Aortic Valve Replacement Jonathan Zoller, MD, Kansas City, MO; Peter Hild, MD, Kansas City, KS; Kansas University - Kansas City; Kansas University Medical Center

B128: Propofol Sedation During Iliofemoral Thrombectomy on Veno-Venous Bypass Pump

Ramesh Singa, MD MHS, West Orange, NJ; George Tewfik, MD, Bloomfield, NJ; Saint Barnabas Medical Center

B129: Unrecognized Systolic Anterior Motion of the Mitral Valve Mistaken for Pulmonary Embolism Shea Stoops, DO; Stephen Tarver, MD, Overland Park, KS; University of Kansas Medical Center

B130: A Rare Case of Dopamine Secreting Mediastinal Paraganglioma Presenting With Coronary Steal Jamahal Luxford, MBBS, Boston, MA; Lauren Cornella, MD, Boston, MA; Brigham and Women's Hospital

B131: A Course Uncharted in the Land of EP: Navigating VT Ablation in a Patient With a Heartmate II Ventricular Assist Device

Eva Litvak; Lauren Cornella, MD, Boston, MA; Agnieszka Trzcinka, MD, Brookline, MA; Brigham & Women's Hospital **B132:** Anesthetic Management of Left Atrial Perforation by Central Venous Catheter in a Hemodialysis Patient Requiring Open-Heart Surgery

Kevin Wong, DO, Danville, PA; Barry Marks, DO, Danville, PA; Joseph Stemm, MD, Danville, PA; Susan Trocciola, MD, Danville, PA; Geisinger Medical Center

B133: Change in Management Plan of Thoracic Endovascular Aortic Repair Following Intraoperative Identification of a Cardiac Mass by Transesophageal Echocardiography Mauricio Daher; A. Gomes, MD PhD, Ottawa, ON, Canada; Marie-Jo Plamondon, MDCM FRCPC, Ottawa, ON, Canada; The Ottawa Hospital; University of Ottawa

B134: Aorto-Mitral Curtain Fistula Following Aortic Valve Replacement

Wendy Haft, MD; Sudhakar Yennam, MD

B135: Challenges of Valve-in-Valve Transcatheter Aortic Valve Implantation Under Local Anesthesia Nishita Patel; Adair Locke, MD, Winston-Salem, NC; Department of Anesthesia

B136: Anesthetic Care of a Patient With Caval Leiomyosarcoma Requiring Ex-Vivo Liver Resection and Reconstruction of the Right Atrium and Inferior Vena Cava Wendy Haft, MD; Theresa Gelzinis, MD

B137: Acute Mitral Valve Annuloplasty Ring Dehiscence With Subsequent Failed Mitral Replacement Valve and Profound Vasoplegia Post-Cardiopulmonary Bypass

Stacy Krueth, Los Angeles, CA; Ali Khoynezhad, MD PhD, Los Angeles, CA; Reza Arsanjani, MD, Los Angeles, CA; Robert Siegel, MD; Daniel Sullivan; Antonio Conte, MD MBA, Los Angeles, CA; Cedars-Sinai Medical Center; Cedars-Sinai Medical Center

B138: Percutaneous Balloon Occlusion of HeartWare Outflow Cannula After Complete Drive Wire Transection Matthew McFarling, MD FRCPC, Woodstock, ON, Canada; Benjamin Sohmer, MD, Ottawa, ON, Canada; Alexander Dick, MD, Ottawa, ON; Ottawa Heart Institute

B140: Incidental Finding of a Ventricular Septal Defect After Surgical Aortic Valve Replacement in a Patient Presenting for Mitral Valve Clip

Lauren Frizzell, MD, Los Angeles, CA; Lorraine Lubin, MD, Playa Del Ray, CA; Antonio Conte, MD MBA, Los Angeles, CA; Saibal Kar, MD; Rebecca Aron, MD, Los Angeles, CA; Cedars-Sinai Medical Center

B141: Incidental Anomalous Hepatic Venous Drainage in a Transfemoral Aortic Valve Replacement (TAVR) Patient Stacy Krueth, Los Angeles, CA; Raj Makkar, MD; Reza Arsanjani, MD, Los Angeles, CA; Antonio Conte, MD MBA, Los Angeles, CA; Rebecca Aron, MD, Los Angeles, CA; Cedars-Sinai Medical Center

B142: Perioperative Cardiac Arrest: How to Manage and for How Long?

Michael Kaczmarski, Miami, FL; Yiliam Rodriguez, MD, Miami, FL; Jackson Memorial Hospital; Jackson Memorial Hospital/ University of Miami Health

B143: Refractory Bleeding After Ventricular Assist Device Implantation: Is There a Role for Prothrombin Complex Concentrate? Megan Krajewski, MD, Durham, NC; Ian Welsby, MBBS FRCA, Durham, NC; Duke University

B144: Vitamin B12 Administration in the Treatment of Vasoplegic Syndrome Resistant to Methylene Blue in a Patient for Aortic Valve Replacement

Patrick Wolfgang, Richmond, VA; Pingle Reddy, MD FASE, Glen Allen, VA; Vigneshwar Kasirajan, MBBS, Richmond, VA; David Farr, MD, Chesterfield, VA; VCUHS

B145: Ventricular Embolization of a Transcatheter Heart Valve During Transapical Transcatheter Aortic Valve Implantation With Successful Transapical Explantation

Richard Beddingfield, MD, Minneapolis, MN; Emil Missov, MD PHD, Minneapolis, MN; Mojca Remskar Konia, MD PhD, Minneapolis, MN; University of Minnesota

B146: Amniotic Fluid Embolism: A Potential Role of Metoclopramide, Atropine, Ketorolac, and Ondansetron? Brian Kelly, Boston, MA; Jeffrey Lyvers, MD, Boston, MA; Joshua Quick, MD, Cambridge, MA; Philip Krapchev, MD, Cambridge, MA; Carlo Pancaro, MD, Boston, MA; Danielle Roncari, MD MPH, Brookline, MA; Kenneth Warner, MD, Needham, MA; Shohreh Modanlou, MD, Boston, MA; Adel Ghuloom, MD, Andover, MA; Robert Knapp, DO JD, Duxbury, MA; Frederick Cobey, MD MPH FASE, Cambridge, MA; Tufts Medical Center

B147: An Unusual Cause of Acute Hemodynamic Instability During Transcatheter Aortic Valve Replacement (TAVR) Using CoreValve Evolut R via Direct Aortic Access John Berry; Adam Lerner, MD, Georgetown, MA; Beth Israel Deaconess Medical Center

B148: Extraction of Abdominal Aortic Stent and Axial-Femoral Bypass for Loeys-Dietz Syndrome After Total Aortic Replacement

Kyoko Furumoto, MD, Suita-City, Osaka, Japan; Kenji Yoshitani, MD, Suita, Osaka, Osaka, Japan; Yoshihiko Ohnishi, MD, Suita Osaka, Osaka; National Cerebral and Cardiovascular Ctr

B149: Mitral Transapical Transcatheter Valve-In-Valve Implantation in an Elderly Patient With Dysfunctional Bioprosthetic Mitral Valve Elbert Chang, DO, Pasadena, CA

B150: Rapid Resolution of Peripartum Cardiomyopathy With a Minimally Invasive Ventricular Assist Device After Cesarean Delivery

Cesar Padilla, MD, Los Angeles, CA; Donald Park, MD, Los Angeles, CA; Resident; Teaching Attending

B151: Stent Placement for Aortic Recoarctation in a Pediatric Patient via Direct Cannulation of the Ascending Aorta Cesar Padilla, MD, Los Angeles, CA; Robert Wong, MD, Alhambra, CA; Lorraine Lubin, MD, Playa Del Ray, CA; Adeline Kim, BS, Los Angeles, CA; Resident; Teaching Attending; Rotating Medical Student

B152: Perioperative Management of Pericardial Angiosarcoma

Eric Ursprung, MD, Brookline, MA; Philip Chan, BS, Boston, MA; Shahzad Shaefi, MD, Boston, MA; Tufts Medical Center; Beth Israel Deaconess Medical Center

B153: Intraoperative Aortic Dissection Following Cardiac Revascularization

Benjamin Judd, MD; Emily Teeter, MD; Brett Sheridan, MD

B154: Anomalous Coronary Artery Distribution Evaluated With Intraoperative Transesophageal Echocardiography Nawar Al-Rawas, MD; Robert Timmerman, MD, Gainesville, FL; Gregory Janelle, MD FASE, Gainesville, FL; University of Florida

B155: Intraoperative Transesophageal Echocardiography to Monitor Dynamic Pulmonary Artery Physiology During Noncardiac Surgery

Michael Plakke, MD, Durham, NC; Cory Maxwell, Durham, NC; Eugene Moretti, MD, Durham, NC; Brandi Bottiger, MD, Durham, NC; Duke University Health System

B156: Tumorous Cystic Structure of the Foramen Ovale Resembling a Right Atrial Myxoma Olabode Ogunwole, MD, San Antonio, TX; Justin Wilson,

Olabode Ogunwole, MD, San Antonio, TX; Justin Wilson, MD, Helotes, TX; Andrea Carpenter, MD PhD, San Antonio, TX; University of Texas Health Science Center San Antonio

B157: Post-Sternotomy Sternal Wire Fracture With Migration of the Wire Through the Right Heart Jason Haus, MD, Ypsilanti, MI; Jennifer Vance, MD, Ann Arbor, MI; University of Michigan

B158: Hypotension in an LVAD Patient During Cardiopulmonary Bypass

Kendall Leonard, DO, Richmond, VA; Pingle Reddy, MD FASE, Glen Allen, VA; Stephanie Marcy, DO MBA, Richmond, VA; VCU Medical Center

B159: A Case of Right Ventricular Perforation by Temporary Pacemaker Lead and Cardiac Tamponade During Transfemoral Transcatheter Aortic Valve Implantation Carter Peatross, MD, Rochester, MN

B160: Bivalirudin Used in Patient With History of Heparin-Induced Thrombocytopenia (HIT) With Previous Coronary Artery Bypass Graft (CABG)

Michelle Dacosta, MD; Saket Singh, MD, Pittsburgh, PA; Allegheny Health Network

B161: Mitral Valve Replacement in a Patient With Sickle Cell Disease/B+ Thalassemia: The Use of Perioperative Exchange Transfusion

Farhan Farooqui, MD, Schaumburg, IL; Mark Chaney, MD, Riverside, IL; University of Chicago Medicine

B162: Diagnosis of Hypovolemia Using Focused Bedside Transthoracic Echocardiogram in Three Kidney Transplant Recipients Presenting With Hemodynamic Instability in the Post-Anesthesia Care Unit

Colin Boettcher, BA, Eden Prairie, MN; Megan Lanigan, MD, Minneapolis, MN; Ioanna Apostolidou, MD, Minneapolis, MN; University of Minnesota

Complex Case Poster Presentations III

Sunday, April 12, 10-11 am (continued)

B163: Anesthetic Management of Traumatic Right Ventricular Rupture

Sajan Farrah, MD, Baltimore, MD; Zahra Malik, MD, Fairfax, VA; Shahab Khademi, DO, Baltimore, MD; Nhue Do, MD, Baltimore, MD; Kenton Zehr, MD, Baltimore, MD; Wei Dong Gao, PhD MD, Baltimore, MD; Johns Hopkins Hospital

B164: Undiagnosed Systolic Anterior Motion and Left Ventricular Outflow Tract Obstruction With Bioprosthetic Valve During Minimally Invasive Mitral Valve Surgery Kosta Turchaninov, MD PhD, Omaha, NE; Ron Rawlings, MD, Lincoln, NE; Robert Oakes, MD, Lincoln, NE; University of Nebraska Medical Center; Bryan Medical Center

B165: Non-Cardiogenic Pulmonary Edema Post-Cardiopulmonary Bypass

Michael Humsi; Molly Fitzpatrick, MD

B166: Systemic Ventricular Assist Device Implantation 43 Years After Atrial Switch Operation for Transposition of the Great Arteries

Sreekanth Cheruku, MD, Durham, NC; Alina Nicoara, MD, Durham, NC; Madhav Swaminathan, MD FASE, Durham, NC; Carmelo Milano, MD, Durham, NC; Kamrouz Ghadimi, MD, Durham, NC; Duke University Medical Center

B167: Bilateral Lung Transplant for Cystic Fibrosis With Superior Vena Cava Syndrome
Matthew McConnell, MD, Cleveland Heights, OH; Erik Kraenzler, MD, Cleveland, OH; Cleveland Clinic

B168: Management of Heparin Anticoagulation in the Setting of Antiphospholipid Syndrome in Patients Undergoing CABG Leigh McGuffin, RN BSN, Boston, MA; Joshua Quick, MD, Cambridge, MA; Ian Welsby, MBBS FRCA, Durham, NC; Andreas Klein, MD, Boston, MA; Kenneth Warner, MD, Needham, MA; Stefan Ianchulev, MD, Marblehead, MA; Hassan Rastegar, MD, Boston, MA; Monika Pilichowska, MD PhD, Boston, MA; Perry Dekkers, BS CCP LP, Boston, MA; Frederick Cobey, MD MPH FASE, Cambridge, MA; Tufts Medical Center; Duke University Medical Center

B169: Inferior Vena Cava Obstruction Caused by a Malpositioned Septal Occluder Device Daniel Cormican, MD, Cleveland Heights, OH; Donn Marciniak, MD, Broadview Heights, OH; Cleveland Clinic Foundation

B171: Invasive Intracardiac Leiomyomatosis Extraction, Necessitating Tricuspid Valve Replacement Sachin Mehta, MD, Charlottesville, VA; Allison Bechtel, MD, Crozet, VA; Julie Huffmyer, MD, Charlottesville, VA; University of Virginia

B173: Total Artificial Heart Implantation for Familial Amyloidoctic Polyneuropathy (FAP) as a Bridge to Combined Heart and Liver Transplant (CHLT)

Andrew Scharf, MD, Richmond, VA; Pingle Reddy, MD FASE, Glen Allen, VA; Virginia Commonwealth University Medical Center; Virginia Commonwealth Medical Center

B174: Technique for Safe Placement of a Transesophageal Echocardiogram Probe in a Patient With Zenker's Diverticulum Undergoing Mitral and Tricuspid Valve Repair Brian Gebhardt, MD, Worcester, MA; Rana Badr, MD, North Grafton, MA; University of Massachusetts Medical School

B175: Aortic Root Enlargement Techniques: Remember the Mitral Valve!

Dionne Peacher, MD, Boston, MA; Douglas Shook, MD FASE, Newton, MA; John Fox, MD, Hanover, MA; Brigham and Women's Hospital

B176: Delayed Intraoperative Hypotension and ST Elevation MI After AVR in a Patient With an Unspecified Clotting Disorder and Secundum ASD Lauren Hampton, MD; Kelly Ural, MD

B177: Left Ventricular Assist Device in Refractory Ventricular Tachycardia From Ischemic Cardiomyopathy
Saad Kamal, MD, Naperville, IL; Jenny Kwak, MD; Michael Haske, MD; Pierre LeVan, MD; Loyola University Medical Center, Maywood, IL

B178: Real-Time 2D and 3D TEE Guidance of Transcatheter Prosthetic Mitral Valve Paravalvular Leak Closure Benjamin Carroll, MD; Lorraine Lubin, MD; Saibal Kar, MD; Florian Rader, MD; Rebecca Aron, MD

B18: TEE for Intraoperative Management of a Patient With Saddle Embolus and Systolic Anterior Motion of the Mitral Valve During Surgical Embolectomy

Lauren Hampton, MD; Logan Kosarek

B242: A 36 Year-Old Man With Uncorrected Tetralogy of Fallot, Biventricular Dysfunction, and a Large Pericardial Effusion

Sharon McCartney, MD; Edmund Jooste, MBCHB; Kelly Machovec, MD MPH

Complex Case Poster Presentations IV

Sunday, April 12, 5-6 pm

Room: Marquis Foyer & Salons 12-14

B180: Giant Pseudoaneurysm After Composite Root Replacement Causing Acute Myocardial Ischemia and Multiple Valvular Abnormalities

Yvonne Lai, MD, Boston, MA; Yafen Liang, MD, Boston, MA; Massachusetts General Hospital

B181: The Successful Use of Protamine With Confirmed Fish Allergy for CABG: Clinical Pearls and Perils

Silpa Goriparthi, MD, Philadelphia, PA; Jordan Goldhammer, MD, Philadelphia, PA; Tara Kennedy, MD, Philadelphia, PA; Thomas Jefferson University Hospital; Sidney Kimmel Medical College

B182: Intraoperative Management of Occult Hemorrhage Aided by Echocardiography

Michael Benggon, MD, San Diego, CA; Joel Kaplan, MD, Encinitas, CA; Dalia Banks, MD FASE, Rancho Santa Fe, CA; UCSD

B183: Case Report: TEE in the Diagnosis of Intraoperative Tumor Embolus

Emily McQuaid-Hanson; Maung Hlaing, MD, Denver, CO; University of Colorado

B184: Intraoperative Transesophageal Echocardiographic Diagnosis of the Abnormal Jet to the Left Atrial Appendage: A Case Report

Yasuko Nagasaka, MD PhD, Brookline, MA; Scott Streckenbach, MD; Massachusetts General Hospital, Harvard Medical School

B185: Intraoperative Diagnosis of an Intracardiac Tumor Andrew Sosa; Emil Bogdanov, MD; Nikolaos Skubas, MD DSC FASE

B186: The Successful Use of Bivalirudin Anticoagulation Therapy for Double-Lung Transplantation With Arteriovenous Extracorporeal Membrane Oxygenation in a Patient With Heparin-Induced Thrombocytopenia Type II Shira Black, DO, Beachwood, OH; Jennifer Hargrave, DO, Cleveland, OH; Cleveland Clinic

B187: Repair of a Type A Dissection in a Patient With Severe Left Venticular Dysfunction as a Bridge to a Left Ventricular Assist Device

Uttam Shastri, MD, University of Alabama Birmingham, Hoover, AL

B188: Anesthesia for Left Atrial Retrocardiac Paraganglioma Resection

Matthew D'Haenens, MD, Pearland, TX; John Cooper, MD, Houston, TX; Texas Heart Institute at CHI St. Luke's Heath-Baylor; Texas Heart Institute at CHI St. Luke's

B189: Perioperative Management of a Patient With Cold Urticaria for a Pulmonary Thromboendarterectomy Under Deep Hypothermia Circulatory Arrest

Joshua Dilley, MD, Boston, MA; Michael Fitzsimons, MD, Boston, MA; Gus Vlahakes, MD, Boston, MA; Robert Makar, MD PhD, Milton, MA; Cameron Wright, MD, Boston, MA; Elizabeth VanCott, MD, Boston, MA; Mandakolathur Murali, MD, Burlington, MA; Massachusetts General Hospital **B190:** Radiofrequency Scanning for Retained Surgical Instruments Can Cause Epicardial Pacemaker Dysfunction During Cardiac Surgery

Michael Plakke, MD, Durham, NC; Sean Daley, MD, Durham, NC; Yasmin Maisonave, MD, San Juan, PRI; Duke University Medical Center

B191: Large Pulmonary Artery Angiosarcoma Requiring Right Pulmonary Artery Resection and Right Pneumonectomy Andrea Reidy, MD, Pittsburgh, PA; Ricardo Cardenas, MD, Sewickley, PA; Allegheny Health Network

B192: Use of Intraoperative ECMO for Intolerance to One-Lung Ventilation

Yvonne Lai, MD, Massachusetts General Hospital, Boston, MA

B193: Thoracoabdominal Aortic Aneurysm Repair in a Patient With Leoys-Dietz Syndrome

Tarun Subrahmanian, MD, Rochester, NY; Korrin Scott, MD, Atlanta, GA; Emory University

B194: Lung Reperfusion Injury Following One-Lung Ventilation for Mini-AVR

Jay Sanford, DO, Richmond, VA; Vishal Yajnik, MD MS, Richmond, VA; David Farr, MD, Chesterfield, VA; Pingle Reddy, MD FASE, Glen Allen, VA; Vigneshwar Kasirajan, MBBS, Richmond, VA; CA-2 Resident, Virgina Commonwealth University Health System; Virginia Commonwealth University Health System; Cardiothoracic Anesthesiology Fellow, Virginia Commonwealth University Health System; Virginia Commonwealth University Health

B195: Anaesthesia Management for "Anomalous Origin of Left Coronary Artery From Pulmonary Artery" Repair Kapil Gupta, MD, Delhi, Delhi, India

B196: Provocable Dynamic Outflow Tract Obstruction in a Patient With Hypertrophic Obstructive Cardiomyopathy Chinwe Nwosu, MD, Baltimore, MD; Patrick Odonkor, MD, Laurel, MD; Resident; Assistant Professor

B197: Perioperative Management of a Patient With Aorto-Esophageal Fistula

Ashley Gabrielsen, DO, Worcester, MA; James Scott, Worcester, MA; Theofilos Matheos, MD; University of Massachusetts Medical Center

B198: Rotational Thromboelastometry (ROTEM™) to Evaluate Post-Cardiopulmonary Bypass Coagulopathy in a Patient With Hemophilia A

Lingesh Sivanesan, MD; Adam Lichtman, MD, Brooklyn, NY; Weill Cornell Medical Center

B199: Failed Wean From CPB After Bentall Procedure Benjamin Ellis, MD, Iowa City, IA; Srinivasan Rajagopal, MD, Iowa City, IA; University of Iowa

B200: Undiagnosed Pheochromocytoma Presenting as Cardiac Shock: A Case Report

Rachel Sloan; Johannes Dorfling, MBChB, Lexington, KY; Johannes Steyn, MD, Versailles, KY; University of Kentucky

Complex Case Poster Presentations IV

Sunday, April 12, 5-6 pm (continued)

B201: Rescue TEE Diagnosis of Acute Pulmonary Embolism Prompting Pulmonary Embolectomy

Michelle Dacosta, MD; Christopher Troianos, MD, Pittsburgh, PA; Ricardo Cardenas, MD, Sewickley, PA; Allegheny Health Network

B202: Management of Acute Biventricular Failure During Transcaval TAVR

Jonah Patel, MD; Ratna Vadlamudi, MD

B203: Do We Really Need a Tricuspid Valve? Michael Sharghi, MD, Cleveland, OH; Andra Duncan, MD, Cleveland, OH; Cleveland Clinic Foundation

B204: Left Atrial Appendage Laceration During Percutaneous Left Atrial Appendage Suture Ligation Using the LARIAT Device Mina Oftadeh, DO, Chicago, IL; Pierre LeVan, MD, Maywood, IL; Jenny Kwak, MD, Maywood, IL; Loyola University Medical Center

B205: Management of LVAD Pump Thrombosis With Intravenous Thrombolytics

Beth Webber, DO; Yiliam Rodriguez-Blanco, MD, Miami, FL; University of Miami

B206: Hypoxia Due to Right Ventricular Outflow Tract Obstruction and a Patent Foramen Ovale in Hypereosinophilic (Loeffler's) Endocarditis: Clinical Implications and Echocardiographic Findings Genevieve Lalonde, MD, Winnipeg, MB, Canada; Hilary Grocott, MD, Winnipeg, MB, Canada; University of Manitoba

B207: Cardiovascular Collapse Associated With IVC Filter Migration and Saddle Embolization

Mark Smith, MD, Rochester, MN; C. Thomas Wass, MD, Rochester, MN; Norman Torres, MD, Rochester, MN; Juan Pulido, MD, Rochester, MN; Kent Rehfeldt, MD, Rochester, MN; Mayo Clinic

B208: Intraoperative Right Heart Failure Followed by Left Ventricular Apical Ballooning During Orthotopic Liver Transplantation

Ross Hanson, MD, Denver, CO; Barbara Wilkey, MD, Denver, CO; Megan Anderson, MD, Denver, CO; University of Colorado Hospital

B209: Intraabdominal Bleeding Following Reoperation for Mitral Valve Replacement

Matthew Benshoff, MD, New York, NY; Nikolaos Skubas, MD DSC FASE, New York, NY; Meghann Fitzgerald, MD, New York, NY; NYP/Weill Cornell Medical College

B210: An Ischemic Limb: Intraoperative Debunking of a Preoperative Diagnosis

Drew Rodgers, MD, Cleveland, OH; Andra Duncan, MD, Cleveland, OH; Cleveland Clinic

B211: Everything AND the Kitchen Sink: Mechanical Support Devices in the Failing Heart

Heather Reed, MD, Gainesville, FL; William Smith, MD, Gainesville, FL; University of Florida

B212: Mind the Gap: Multifaceted Airway Management in Acquired Tracheoesophageal Fistula Repair Gregory Mickus, MD, Neptune Beach, FL; Archer Martin, MD, Jacksonville, FL; Mayo Clinic Florida

B213: Aortic Root Abscess With Extension to Mitral and Tricuspid Valves Status—Post Bioprosthetic Aortic Valve Replacement With Development of Gerbode Ventricular Septal Defect

Harish Ram, MD, Los Angeles, CA; Deena Perotti, MD, Los Angeles, CA; Danny Ramzy, MD PhD, Los Angeles, CA; Lorraine Lubin, MD, Playa Del Ray, CA; Antonio Hernandez Conte, MD MBA, Los Angeles, CA; Cedars-Sinai Medical Center

B214: Challenging CoreValve Positioning and Deployment During Transcatheter Aortic Valve Replacement *Isaac Wu, MD; Jeremy Poppers, MD PhD*

B215: Increased Mitral Gradients After Transcatheter Aortic Valve Replacement With a Self-Expanding Prosthesis Sy-Yeu Chern, MD, Philadelphia, PA; Prakash Patel, MD, Newtown, PA; Jiri Horak, MD, Broomall, PA; Hospital of the University of Pennsylvania; Hospital of the University of Pennsylvania

B216: Cardiac Anesthetic Management for a Patient With Parkinson's Disease and a Deep Brain Stimulator: Solutions to a Complex Care Problem

Adam Weinstein, Brookline, MA; Lauren Cornella, MD, Boston, MA; Brigham and Women's Hospital

B218: Fatal Massive Intracardiac Thrombosis: Unexpected Complication During Repair of Complex Aortic Dissection With Pseudoaneurysm

Jayakar Guruswamy, MD, Troy, MI; Cory Koenig, Clawson, MI; Paul Polyak, MD, Rochester, MI; Lebron Cooper, MD, Detroit, MI; Henry Ford Hospital

B219: TEVAR and Cerebellar Herniation

Michael Foley, MD, Boston, MA; Marc Schermerhorn, MD, Boston, MA; Mark Wyers, MD, Boston, MA; Allen Hamdan, MD; Lars Stangenberg, MD PhD, Boston, MA; Ruma Bose, MD, Chestnut Hill, MA; Balachundhar Subramaniam, MD MPH, Lexington, MA; Beth Israel Deaconess Medical Center (BIDMC), Boston, MA; BIDMC

B220: Acquired Mitral Dysfunction and Systolic Anterior Motion During Coronary Artery Bypass Grafting Necessitating Mitral Valve Replacement

Alexander Kuo, MD, Boston, MA; Meerim Cindy Kim, MD, Boston, MA; Jason Qu, MD, Charlestown, MA; Massachusetts General Hospital

B221: Transesophageal Echo-Guided Percutaneous Mitral Valve-In-Valve Implantation via a Transseptal-Apical Approach Harish Ram, MD, Los Angeles, CA; Ying Zeng, MD, Los Angeles, CA; Saibal Kar, MD; Lorraine Lubin, MD, Playa Del Ray, CA; Antonio Conte, MD MBA, Los Angeles, CA; Rebecca Aron, MD, Los Angeles, CA; Cedars-Sinai Medical Center

B222: Anesthetic Considerations for Beating Heart Robotic TECAB in Patients With a Symptomatic Anomalous Origin of the Right Coronary Artery

Shyamal Asher; Mohammed Minhaj, MD MBA

B223: Robotic Mitral Valve Repair During Hypothermic Cardiopulmonary Bypass With Right Ventricular Pacing-Induced Ventricular Fibrillation Arrest Andrew Hollatz, MD, Chicago, IL; Mark Chaney, MD, Riverside, IL; The University of Chicago

B224: The Utility of Transesophageal Echocardiography During Coronary Artery Fistula Ligation Michael Finamore, DO, Beachwood, OH; Donn Marciniak, MD, Broadview Heights, OH; Cleveland Clinic Foundation

B225: Myxoma Originating From the Posterior Mitral Valve Leaflet

Aaron Lim, MD, Henrico, VA; Spencer Liebman, MD (Fellow), Richmond, VA; Pingle Reddy, MD FASE, Glen Allen, VA; Daniel Tang, MD, Richmond, VA; Virginia Commonwealth University Health System

B226: Emergency Left and Right Ventricular Circulatory Support During Transcatheter Aortic Valve Replacement Esther Garazi, MD, Miami, FL; Caroline Buric, BS, Miami, FL; Lilibeth Fermin, MD; Alan Heldman; Fellow; Medical Student

B227: Diagnostic and Treatment Strategies of an Atrioventricular Disruption During Mitral Valve Replacement Anthony Tricinella, DO, Dallas, TX; Ravi Vivekanand Joshi, MD, Dallas, TX; University of Texas Southwestern

B228: Increased Mitral Regurgitation Following Bentall Procedure: A Unique Clinical Scenario
Hanjo Ko, MD, Boston, MA; Prem Shekar, MD, Boston, MA; Lauren Cornella, MD, Boston, MA; Brigham and Women's Hospital

B229: Pulmonary Embolectomy in a Patient With Impending Paradoxical Embolization

Sandeep Khanna, MD; Anand Mehta, MD, Cleveland, OH; Cleveland Clinic Foundation

B230: Case Report: Transcatheter Aortic Valve Replacement in a Patient With Ventricular Tachycardia Storm Using the Transaortic Approach With Elective Extracorporeal Life Support

Julee Dalton, MD, San Francisco, CA; Linda Lau, MD; Wilson Cui, MD PhD, San Francisco, CA; Resident Physician; Attending Physician

B231: Transesophageal Echocardiography in Managing Anaphylaxis Complicated by Systolic Anterior Motion of the Mitral Valve

Fiore Toscano, MD, Syosset, NY; Christopher Tanaka, MD, New York, NY; Jill Arthur, MD, Bronx, NY; Montefiore Medical Center **B232:** Case Report of Intraoperative Embolism: A Critical Event During Left Atrial Mass Resection

John Hui, MD, Bronx, NY; Andrey Apinis, MD, Montclair, NJ; Jonathan Leff, MD; Montefiore Medical Center/Albert Einstein College of Medicine; Montefiore Medical Center

B233: Acute Stress-Induced Cardiomyopathy Associated With Cardiogenic Shock, Treated With the Impella Left Ventricular Assist Device and Venous-Arterial Extra Corporeal Membrane Oxygenation

Kari Obma, MD, Denver, CO; Tamas Seres, MD, Aurora, CO; University of Colorado

B234: Airway Management of a Patient With a Large Laryngeal Mass Presenting for Endobronchial Ultrasound-Guided Transbronchial Biopsies

Isaac Yoshii, MD; Angela Selzer, MD, New York, NY; Weill

Cornell Medical College and NYPH

B235: Laparoscopic Hysterectomy in a Patient With Severe Pulmonary Hypertension

Theodore Cios, MD MPH, Hershey, PA; Srikantha Rao, MD MS, Hershey, PA; Penn State Milton S. Hershey Medical Ctr

B236: Left Ventricular Assist Device Placement Complicated by Right Ventricular Failure Requiring Right Ventricular Assist Device Placement

Michael Mathis, MD, University of Michigan Health System, Ann Arbor, MI

B237: A Ruptured Sinus of Valsalva Aneurysm Into the Left Ventricular Outflow Tract Contributing to Left Heart Failure *Cliff Cutchins, MD; Brian Gelfand, MD FACS*

B238: Management of Massive Arterial Air Embolism During Left Heart Bypass for Thoracoabdominal Aortic Aneurysm Repair

Tom Griffiths, MD BM; Timothy Maus, MD, La Jolla, CA; Dalia Banks, MD FASE, Rancho Santa Fe, CA; Supervising Faculty; Program Director

B243: Implantation of the C-Pulse Assist Device: A Review of a Novel Device for End-Stage Heart Failure

Andrea Westman, MD, Nashville, TN; Jeremy Bennett, MD, Mt. Juliet, TN; Vanderbilt University Medical Center

B43: Aortic Regurgitation and Left Ventricular Assist Device Placement in a Patient With Previous Aortic Valve Bioprosthesis

Ryan Mahaffey, MD, Palo Alto, CA; Nicholas Anast, MD, Mountain View, CA; Lindsay Raleigh, MD, San Francisco, CA; Richard Ha, MD, Stanford, CA; Albert Cheung, MD, Stanford, CA; Stanford, School of Medicine

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Exhibit Schedule

Sunday, April 12	
Exhibits Open	12:30-7 pm
Lunch with Exhibitors	12:30–1:30 pm
Coffee with Exhibitors	3:30–4 pm
Reception in Exhibit Hall	6–7 pm
BE 1 A	

Monday, April 13	
Exhibits Open	7 am-4 pm
Breakfast with Exhibitors	7–8 am
Coffee with Exhibitors	10–10:30 am
Lunch with Exhibitors	12:30–1:30 pm
Coffee with Exhibitors	3:30–4 pm

Tuesday, April 14	
Exhibits Open	7 am-1:30 pm
Breakfast with Exhibitors	7–8 am
Coffee with Exhibitors	10–10:30 am
Dessert with Exhibitors	12:30–1:30 pm

Exhibitors

3M Health Care AcelRx Pharmaceuticals, Inc. American Anesthesiology American Society of Echocardiography Anesthesiology News Augustine Temperature Management Biomed Simulation, Inc. Elsevier USA **EmCare**

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SCA Committee Meeting Schedule

Committee	Date	Time	Room
Atrial Fib Working Group	Monday, April 13	9–10 am	Scarlett
Blood Conservation Working Group	Sunday, April 12	3–4 pm	Scarlett
Cerebral Protection Working Group	Monday, April 13	4–5 pm	Silver Linden
ACTA Fellowship Certification Task Force	Monday, April 13	8–9:30 am	Dogwood
Clinical Practice Improvement	Sunday, April 12	8–9:30 am	Magnolia
Continuing Medical Education (CME)	Sunday, April 12	Noon–1:30 pm	Cherry Blossom
Committee Chairs	Monday, April 13	3–4 pm	Dogwood
Echo Week	Monday, April 13	10 am–Noon	Cherry Blossom
Economic/Governmental Affairs	Monday, April 13	8–9:30 am	Magnolia
Ethics	Sunday, April 12	8–9 am	Dogwood
Executive	Monday, April 13	1:30–2:30 pm	Cherry Blossom
Fellowship Program Directors	Sunday, April 12	8–9:30 am	Liberty IJK
Guidelines & Standards	Sunday, April 12	4–5 pm	Tulip
International	Sunday, April 12	Noon–1:30 pm	Magnolia
Member Engagement	Monday, April 13	11 am–12:30 pm	Magnolia
Newsletter	Sunday, April 12	4–5:30 pm	Cherry Blossom
Nominating	Monday, April 13	4–5 pm	Magnolia
Quality & Safety Leadership	Sunday, April 12	Noon–1:30 pm	Dogwood
Research	Saturday, April 11	Noon–5 pm	Magnolia
SCA/STS Database	Sunday, April 12	4–5:30 pm	Dogwood
Scientific Program	Friday, April 10	5:30–8:30 pm	Chinatown
_	Tuesday, April 14	12–1:30 pm	Scarlett
Thoracic Anesthesia Symposium (TAS)	Saturday, April 11	1–3 pm	Cherry Blossom
Website Redesign Task Force	Sunday, April 12	4–5:30 pm	Magnolia

Interested in participating in SCA by serving on a committee?

Please complete the Committee Appointment Request Form in the annual meeting online syllabus.

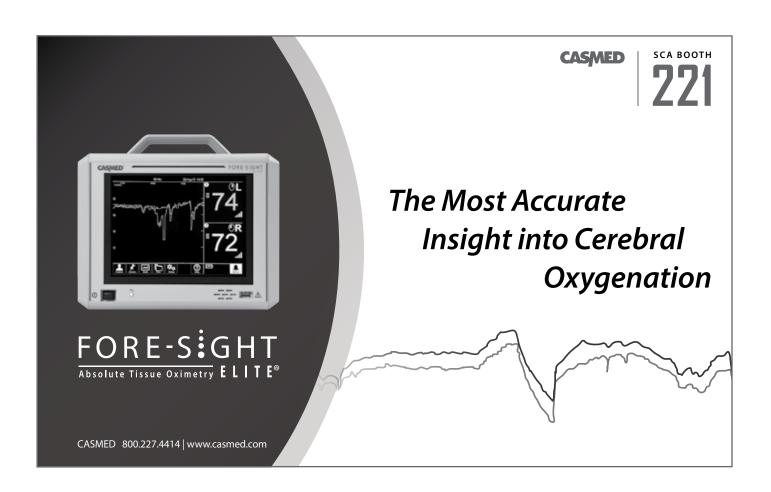
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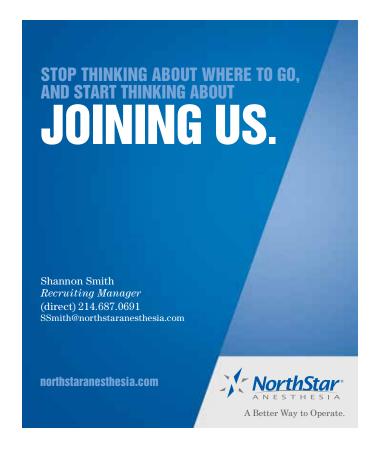
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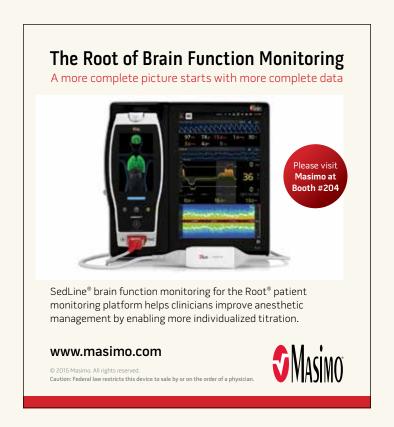
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NBE, Inc. 1500 Sunday Drive, Suite 102 Raleigh, NC 27607 Phone: (919) 861-5582 Email: info@echoboards.org The National Board of Echocardiography announces the 2015 administration of the

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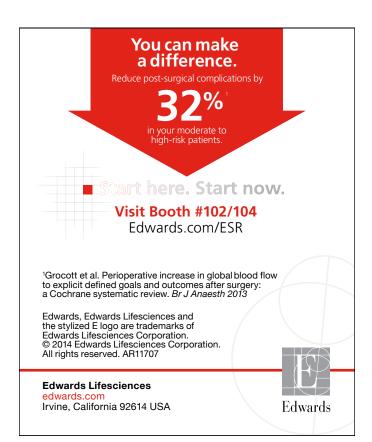
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