

12<sup>th</sup>

# CURRENT TRENDS

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

[texasheart.org/current-trends-2024](https://texasheart.org/current-trends-2024)

INFORMATION

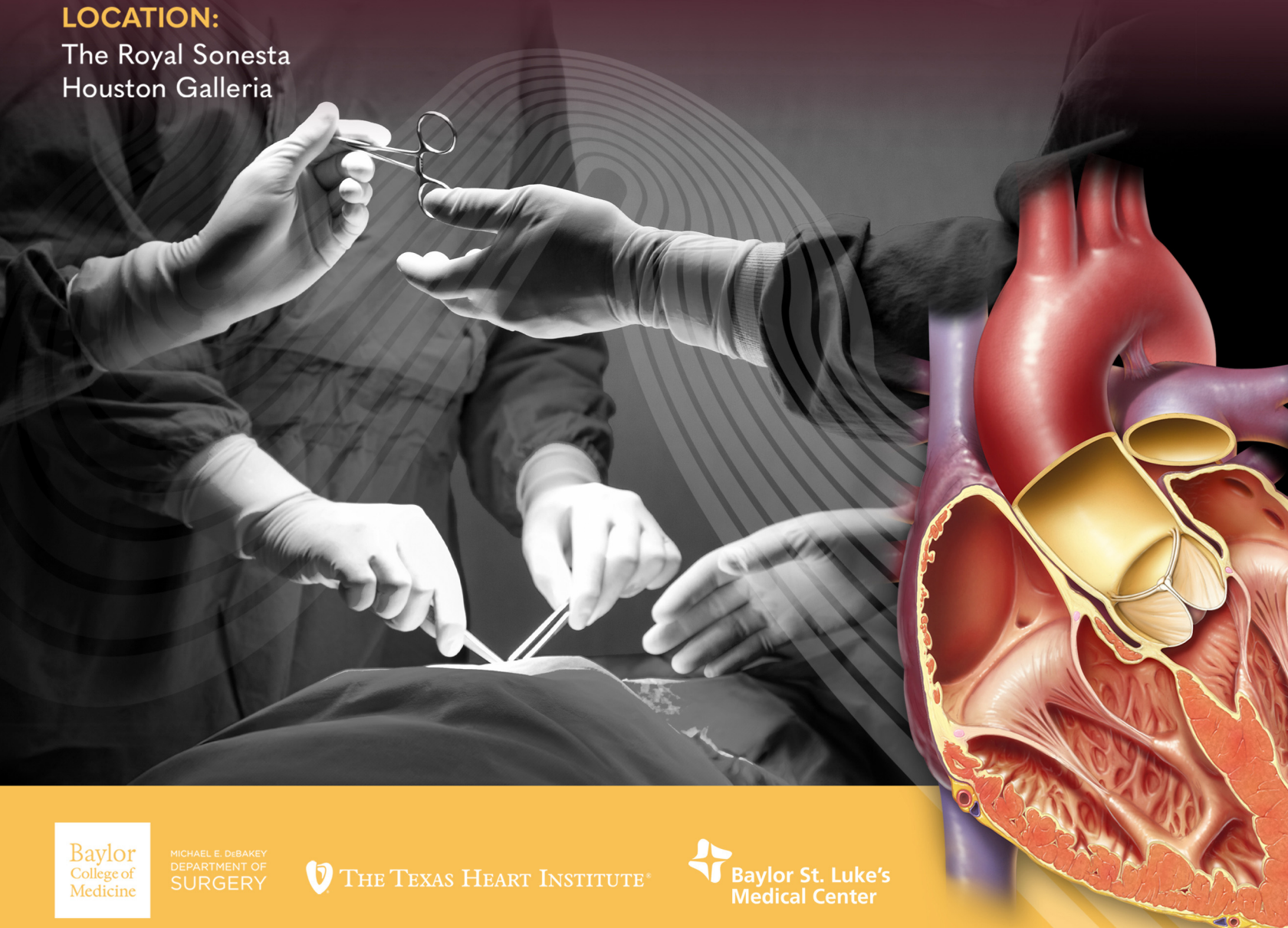


**ACTIVITY DIRECTORS:**

Joseph S. Coselli, MD  
Marc R. Moon, MD

**LOCATION:**

The Royal Sonesta  
Houston Galleria



Baylor  
College of  
Medicine

MICHAEL E. DEBAKEY  
DEPARTMENT OF  
SURGERY

 THE TEXAS HEART INSTITUTE®

 Baylor St. Luke's  
Medical Center

# CONFERENCE ORGANIZERS



**Joseph S. Coselli, MD - Activity Director**  
Cullen Foundation Endowed Chair  
Division of Cardiothoracic Surgery  
Executive Vice-Chair, Michael E. DeBakey Department of Surgery  
Baylor College of Medicine  
Texas Heart Institute  
Baylor St. Luke's Medical Center



**Marc R. Moon, MD - Activity Director**  
Denton A. Cooley, MD  
Chair in Cardiac Surgery  
Chief, Division of Cardiothoracic Surgery  
Baylor College of Medicine  
Chief, Adult Cardiac Surgery  
Texas Heart Institute / Baylor St. Luke's Medical Center



**Kenneth K. Liao, MD, PhD**  
Professor and Chief, Cardiothoracic Transplantation & Mechanical Circulatory Support  
Baylor College of Medicine  
Chief, Section of Cardiothoracic Transplantation & Mechanical Circulatory Support  
Baylor St. Luke's Medical Center



**Brittany D. Rhoades, PhD, APRN, CCNS, FCNS**  
Clinical Nurse Specialist and  
Instructor in Surgery  
Michael E. DeBakey Department of Surgery  
Division of Cardiothoracic Surgery  
Baylor College of Medicine  
NLM Michael E. DeBakey Fellow in the History of Medicine

## ORGANIZING COMMITTEE

**Lauren Barron, MD**  
**Ginger Etheridge, BBA**  
**Brittany Fisk, MBA**  
**Sharon Galloway, MSML**  
**Stephanie Jackson, MBA**  
**Jordan Lockhart, BS**  
**Lindsey Vargas, BA**  
**Scott A. Weldon, MA, CMI, FAMI**





## ABOUT THE CONFERENCE

The **12th Current Trends in Aortic and Cardiovascular Surgery Symposium** is poised to be a transformative educational experience, dedicated to addressing the continuous evolution in the field of cardiovascular surgery. With a specific focus on aortic and cardiac procedures, the symposium aims to deliver a comprehensive update on the latest advancements and insights.

This commitment ensures that surgeons and their teams remain at the forefront of cutting-edge developments, navigating the dynamic landscape of cardiovascular surgery. The key themes of the symposium encompass advancements in the field, comprehensive updates on pivotal topics, and a specialized focus on the complexities and advancements in the surgical management of the aortic arch. Moreover, the program will delve into guidelines, controversies, and ongoing education, offering valuable insights into best practices. Our target audience includes aortic and cardiac surgeons, vascular surgeons, residents and fellows, physician assistants, nurse practitioners, nurses, and perfusionists.

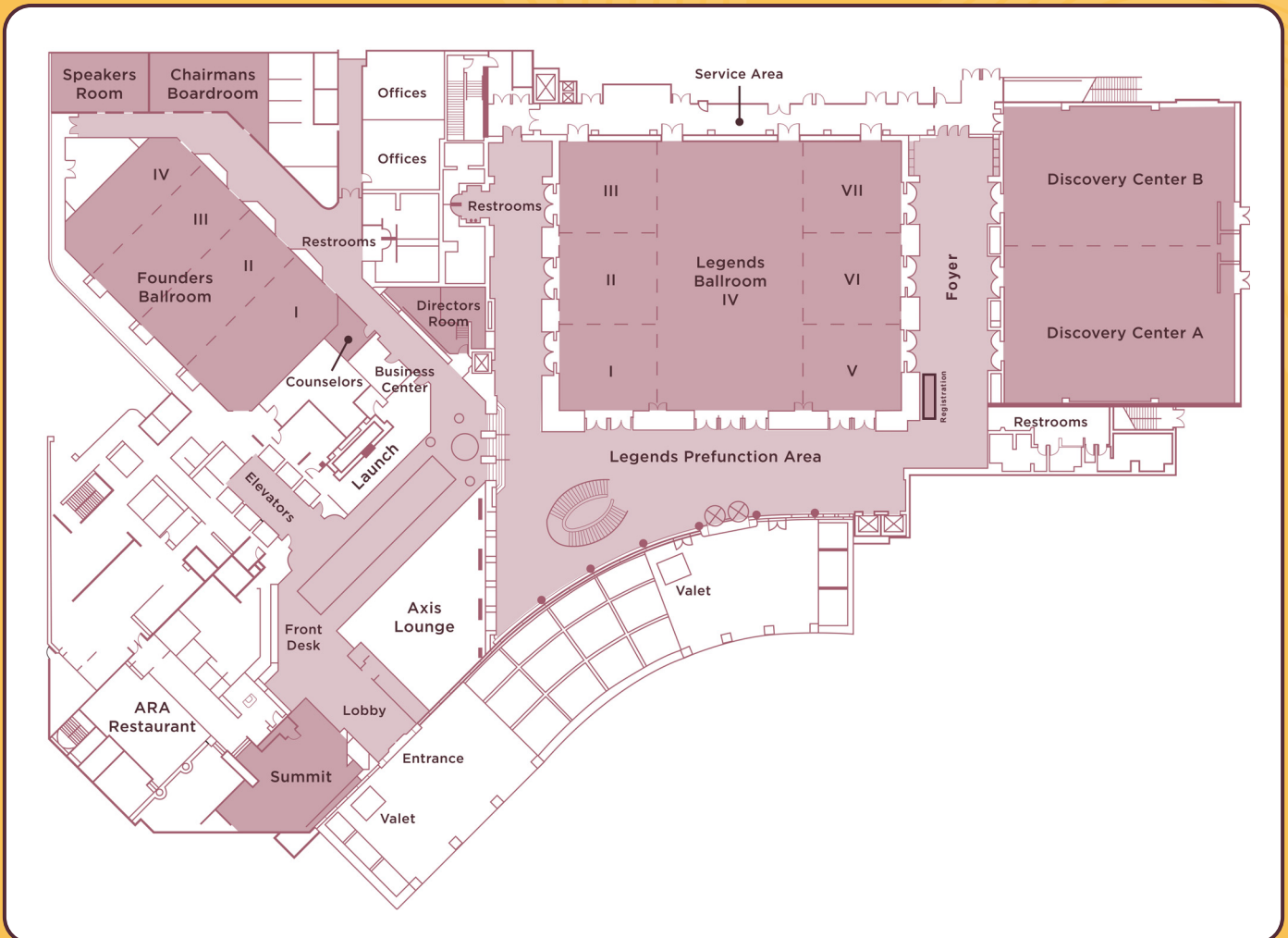
We are honored to have secured commitments from world-class experts in the field, who will converge in Houston, Texas, during our two-day conference on November 1-2, 2024. We invite all interested parties to mark their calendars and actively participate in this crucial educational meeting. Together, let's propel the field of cardiovascular surgery forward, shaping the future of healthcare.

At the conclusion of each lecture in the series, the participant should be able to:

- Demonstrate an understanding of the anatomical features and clinical significance of the ascending aorta and root.
- Discuss common surgical interventions related to issues in the ascending aorta and root.
- Stay abreast of the latest advancements in coronary revascularization: Summarize recent updates and breakthroughs in coronary revascularization techniques.
- Evaluate the impact of emerging technologies on the field of coronary revascularization.
- Develop a comprehensive understanding of the Ross procedure: Compare the Ross procedure with alternative treatments for the relevant conditions.
- Evaluate the advantages and potential complications associated with the Ross procedure.
- Analyze the economic aspects of cardiac and aortic surgery: Discuss strategies for optimizing the economic value of cardiac and aortic surgical procedures.
- Define the financial implications of different surgical interventions and their impact on healthcare systems.
- Explain mitral and tricuspid valve interventions and treatments: Evaluate the evidence-based guidelines for the management of mitral and tricuspid valve disorders.
- Summarize the latest advancements in the field of mitral and tricuspid valve interventions.
- Gain expertise in the contemporary treatment of aortic dissection: Analyze the outcomes and complications associated with various treatment strategies for aortic dissection.
- Evaluate contemporary treatment modalities for aortic dissection, including surgical and non-surgical approaches.
- Identify the complexities of aortic arch surgery: Discuss the implications of aortic arch surgery on patient outcomes and postoperative care.
- Explain the anatomical challenges and considerations for aortic arch surgery.

# VENUE

The Royal Sonesta Houston Galleria Hotel  
2222 W Loop South  
Houston, TX 77027



# EDUCATIONAL CREDITS

## **Accreditation**

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The Texas Heart Institute, Baylor College of Medicine, and Baylor St. Luke's Medical Center. The Texas Heart Institute is accredited by the ACCME to provide continuing medical education for physicians.

## **Credit Designation**

The Texas Heart Institute designates this live activity for a maximum of 15.75 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## **ABIM MOC Points**

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 15.75 Medical Knowledge MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. Successful completion is a passing grade of 70% on the assessment in the CME evaluation.

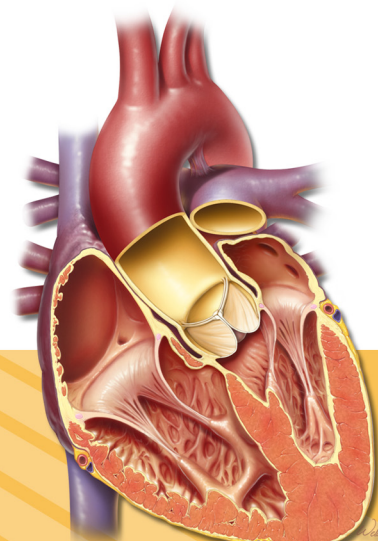
***The deadline to complete the MOC section of the CME evaluation is 2 weeks after the day of the symposium.***

## **Nursing Credit**

Approved Provider Unit (APU) statement: CHI St. Luke's Health Baylor St. Luke's Medical Center is approved as a provider of nursing continuing professional development by the Louisiana State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. LSNA Provider No. 4002068. Nurses can receive up to 13.75 CE hours.

## **Perfusion Credit**

The American Board of Cardiovascular Perfusion (ABCP) designates this continuing education activity for a maximum of 17.50 category 1 CEUs.



# EDUCATIONAL GRANTS

This continuing medical education activity has been supported, in part, by the following companies:

## DEBAKEY-COOLEY LEVEL

**Baxter**

**Edwards Lifesciences**

## PLATINUM LEVEL

**LivaNova**

## GOLD LEVEL

**Terumo Aortic**

# EXHIBITORS

---

We thank the companies listed here for exhibiting at this symposium:

---

**Artivion**

**AtriCure**

**Baxter**

**Circum Fix Solutions, Inc**

**Cook Medical**

**Corcym**

**Edwards Lifesciences**

**Helios Cardio, Inc.**

**LeMaitre Vascular, Inc.**

**Medtronic**

**Octapharma USA, Inc.**

**Terumo Aortic**

**Wexler Surgical**

**W.L. Gore & Associates**

---

# FEATURED SPEAKERS



## **Roberto di Bartolomeo, MD**

Roberto Di Bartolomeo, MD, is a cardiac surgeon with extensive expertise in cardiac, vascular and general surgery. Graduating from the University of Studies of Bologna, he obtained his medical degree in 1974, followed by multiple master's degrees in cardiac surgery, vascular surgery and general surgery. Dr. Di Bartolomeo has held various significant positions throughout his career, including serving as the director of the Cardiac Surgery Unit at the prestigious Policlinico S. Orsola-Malpighi of Bologna from August 2002 to October 2018. Currently, he holds the position of full professor of cardiac surgery at the Alma Mater Studiorum - University of Bologna, a role he has fulfilled since October 2002.



## **Joseph E. Bavaria, MD**

Joseph Bavaria, MD, is Professor of Surgery and Chair, Department of Cardiovascular Surgery at Jefferson Health in Philadelphia. He was the 52nd president of The Society of Thoracic Surgeons and past president of the Thoracic Surgery Foundation. He is currently the treasurer and executive committee member of the European Association of Cardiothoracic Surgery. His clinical interests include thoracic aortic surgery, heart valve disease and thoracic aortic endovascular repair. Dr. Bavaria has performed over 11,000 open heart procedures and is the author of approximately 600 original manuscripts, reviews and book chapters and holds multiple patents. He was a primary investigator for early transcatheter aortic valve (TAVI) clinical trials. He was also founder of the PENN TAVI Program and was the STS/ACC TVT steering committee chair (2017-2020). He founded an active cardio-aortic clinical research group and has been both the institutional and national primary investigator in over 50 industry sponsored, FDA IDE Phase I, II and III trials. Dr. Bavaria graduated with honors in chemical engineering at Tulane University where he also received his medical degree. He completed his general surgery and cardiovascular and thoracic training at the University of Pennsylvania and Children's Hospital of Philadelphia.



## **W. Randolph Chitwood, Jr, MD**

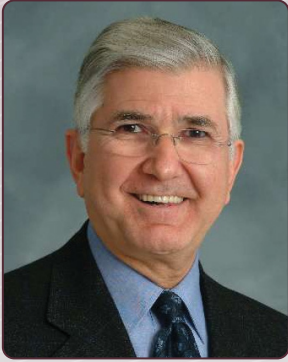
W. Randolph Chitwood, Jr, MD, received his medical degree from the University of Virginia and completed a cardiothoracic surgical residency program at Duke University. He then started a new cardiac surgery program at the East Carolina University School of Medicine where he was chairman of the Department of Surgery from 1995 to 2003 and founded the new East Carolina Heart Institute and Department of Cardiovascular Sciences. Dr. Chitwood's groundbreaking work includes performing the first daVinci robotic mitral valve operation in the US and twelve countries. The work of his robotic team led to FDA approval in 2002 of the daVinci device for intracardiac surgery. He has performed nearly 10,000 cardiac operations, authored over 300 peer reviewed scientific and clinical articles, as well as many book chapters and several monographs. Dr. Chitwood has given over 60 invited national and international lectures and has published the Atlas of Robotic Cardiac Surgery. His accolades include the AATS Mitral Conclave Career Achievement Award (2015) and the AATS Scientific Achievement Award (2020). Dr. Chitwood's current focus lies in advancing less invasive heart valve repair, developing robotic surgical devices and fostering heart center program growth while educating surgeons on safe technology implementation.



## **James L. Cox, MD**

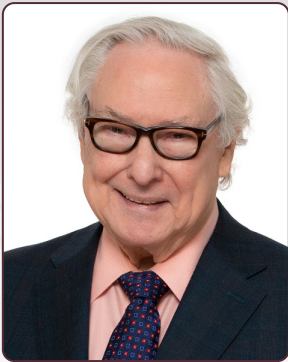
James L. Cox, MD, is a professor of surgery and the surgical director of the Center for Heart Rhythm Disorders at Northwestern University in Chicago, a senior consultant to four medical device companies and a member of the board of directors of three companies. Dr. Cox is best known for his work in the field of cardiac arrhythmia surgery and the development of the Cox-Maze Procedure for the treatment of atrial fibrillation. He is the only surgeon ever to receive the Distinguished Scientist Awards from the AATS, the STS and the HRS, and he is the only American cardiac surgeon in the Russian Academy of Medical Sciences. Dr. Cox was trained in and served as faculty at Duke University, but spent the majority of his career as the first vice chairman of the Department of Surgery and chief of the Division of Cardiothoracic Surgery at Washington University School of Medicine and Barnes Hospital in St. Louis, Missouri. Dr. Cox has served as a visiting professor, featured lecturer or guest operating surgeon over 700 times in about 30 countries. He has also published over 400 peer-reviewed scientific articles and holds 35 patents on medical devices.





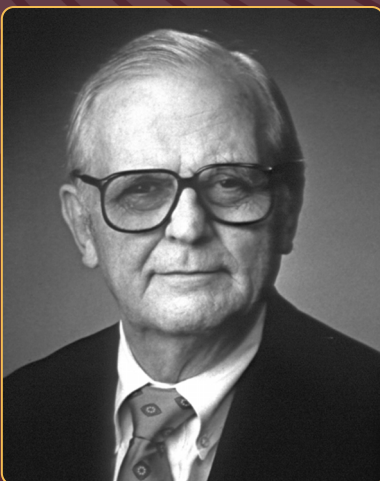
### **Tirone E. David, MD**

Tirone E. David, MD, is a Professor of Surgery at the University of Toronto and the holder of the Melanie Munk Chair of Cardiovascular Surgery at the Peter Munk Cardiac Centre. Doctor David has published more than 400 scientific papers, 38 chapters in medical textbooks as well as 5 surgical textbooks. He has developed numerous operative procedures to treat patients with heart valve disease, complications of myocardial infarction, and thoracic aneurysms and prospectively followed these patients during the past 4 decades. One of these procedures is known as “David operation”. He has been a member of the editorial board of several medical journals. Doctor David is active member of numerous surgical and medical societies and is honorary member of 14 international medical societies. He was President of the American Association for Thoracic Surgery in 2004-2005 and the recipient of its Scientific Achievement Award in 2016, and Lifetime Achievement Award in 2020. He was awarded the Order of Rio Branco from the Brazilian Government in 2018. He received the Order of Ontario in 1993 and the Order of Canada in 1996, the highest honor given to civilians in Canada. He was elected University Professor in 2004, the highest honor the University of Toronto bestows to its professors.



### **O.H. Frazier, MD**

For more than 40 years, O.H. Frazier, MD, has been a pioneer in the treatment of severe heart failure in the fields of heart transplantation and artificial devices. He has performed over 1,300 heart transplants and implanted more than 1,000 left ventricular assist devices (LVAD), more than any other surgeon in the world. Among his firsts, he performed the first implantation of the Heart Mate I in a human in 1986. His seminal work in the field of LVADs continued with experimental studies that resulted in the first human implantation of the Jarvik 2000 LVAD and the first HeartMate II LVAD. His pioneering work continued through the years and has resulted in more than 45,000 LVADs being implanted in patients worldwide as a life-saving effort—the design of most of the devices having been conceived and/or developed in Dr. Frazier’s lab at The Texas Heart Institute. His work continues as his goal of a meaningful and practical total artificial heart replacement is on the horizon. Dr. Frazier graduated from the University of Texas-Austin and received his medical degree at Baylor College of Medicine. He served in the Army between 1968 and 1970 as a flight surgeon, receiving several awards. He then returned to Houston to complete his specialty training in general surgery under Dr. Michael E. DeBakey and a residency in thoracic and cardiovascular surgery under Dr. Denton A. Cooley at The Texas Heart Institute.



### **E. STANLEY CRAWFORD, MD (1922 - 1992)**

Ernest Stanley Crawford, MD, graduated Phi Beta Kappa from the University of Alabama in 1943 and Alpha Omega Alpha from Harvard Medical School in 1946. He started an internship at Massachusetts General Hospital in Boston, and served at the U.S. Naval Hospital in Portsmouth, New Hampshire from 1947-1949. After completion of his residency at Massachusetts General Hospital, Dr. Crawford joined Dr. Michael E. DeBakey at Baylor College of Medicine in Houston where he spent the next 38 years, until his death in 1992. He was internationally known for his innovative surgical techniques treating complex aortic diseases, particularly Marfan syndrome and aortic dissection. He authored numerous publications and book chapters and co-authored a textbook, *Diseases of the Aorta*, with his son Dr. John Lloyd Crawford II. Dr. Crawford’s innovations in surgery and research continue to be used to train future generations of surgeons and treat patients today. His legacy will always live on.

12<sup>th</sup>

# CURRENT TRENDS

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

# FACULTY

**Michael A. Acker, MD**  
Penn Medicine

**Gorav Ailawadi, MD**  
University of Michigan Health

**Vinay Badhwar, MD**  
WVU Medicine

**Faisal G. Bakaeen, MD**  
Cleveland Clinic

**Lauren M. Barron, MD**  
Baylor College of Medicine

**Joseph E. Bavaria, MD**  
Jefferson Health / Sidney Kimmel Medical College

**Alan C. Braverman, MD**  
Washington University School of Medicine

**Duke E. Cameron, MD**  
Johns Hopkins University School of Medicine

**Luis J. Castro, MD**  
Sequoia Hospital

**Subhasis Chatterjee, MD**  
Baylor College of Medicine

**Edward P. Chen, MD**  
Duke University Medical Center

**W. Randolph Chitwood, Jr, MD**  
East Carolina University

**Lorraine D. Cornwell, MD**  
Baylor College of Medicine

**Joseph S. Coselli, MD**  
Baylor College of Medicine

**James L. Cox, MD**  
Northwestern University

**Jennifer R. Cozart, MD**  
The Texas Heart Institute

**Ralph J. Damiano, Jr, MD**  
Washington University School of Medicine

**Tirone E. David, MD**  
Toronto General Hospital

**Piroze M. Davierwala, MD**  
Toronto General Hospital

**Roberto Di Bartolomeo, MD**  
University of Bologna

**Marek P. Ehrlich, MD**  
University of Vienna

**John A. Elefteriades, MD**  
Yale University School of Medicine

**Ismail El-Hamamsy, MD, PhD**  
Icahn School of Medicine at Mount Sinai

**Anthony L. Estrera, MD**  
McGovern Medical School

**O.H. "Bud" Frazier, MD**  
Baylor College of Medicine

**Mario F. L. Gaudino, MD, PhD**  
Weill Cornell Medical College

**Isaac George, MD**  
Columbia-Presbyterian Medical Center

**Ravi K. Ghanta, MD**  
Baylor College of Medicine

**A. Marc Gillinov, MD**  
Cleveland Clinic

**Leonard N. Girardi, MD**  
Weill Cornell Medical College

**Michael E. Halkos, MD**  
Emory University School of Medicine

**G. Chad Hughes, IV, MD**  
Duke University Medical Center

**Arminder S. Jassar, MBBS**  
Massachusetts General Hospital

**Puja Kachroo, MD**  
Washington University School of Medicine

**Tsuyoshi Kaneko, MD**  
Washington University School of Medicine

**Nicholas T. Kouchoukos, MD**  
Washington University School of Medicine

**Steven L. Lansman, MD, PhD**  
Westchester Medical Center

**Jennifer S. Lawton, MD**  
Johns Hopkins University School of Medicine

**Scott A. LeMaire, MD**  
Geisinger Commonwealth School of Medicine

**Kenneth K. Liao, MD, PhD**  
Baylor College of Medicine

**James J. Livesay, MD**  
The Texas Heart Institute

**Gabriel Loor, MD**  
Baylor College of Medicine

**S. Chris Malaisrie, MD**  
Northwestern University

**Randolph P. Martin, MD**  
Icahn Medical School Mount Sinai

**Germano Melissano, MD**  
San Raffaele Scientific Institute

**Dianna M. Milewicz, MD, PhD**  
McGovern Medical School

**D. Craig Miller, MD**  
Stanford University Medical School

**Marc R. Moon, MD**  
Baylor College of Medicine / The Texas Heart Institute

**Tom C. Nguyen, MD**  
Baptist Health Miami Cardiac & Vascular Institute

**Gustavo S. Oderich, MD**  
McGovern Medical School

**Julina Ongkasuwan, MD**  
Baylor College of Medicine / Texas Children's Hospital

**Vicente Orozco-Sevilla, MD**  
Baylor College of Medicine

**Maral Ouzounian, MD, PhD**  
Toronto General Hospital

**Octavio Pajaro, MD, PhD**  
Baylor College of Medicine

**Himanshu Patel, MD**  
University of Michigan Health

**Juan Carlos Plana Gomez, MD**  
Baylor College of Medicine

**John D. Puskas, MD**  
Emory University School of Medicine

**Harold G. Roberts, Jr, MD**  
Washington University School of Medicine

**Matthew A. Romano, MD**  
University of Michigan Health

**Eric E. Roselli, MD**  
Cleveland Clinic

**Marc Ruel, MD**  
University of Ottawa Heart Institute

**William H. Ryan, MD**  
Baylor Scott & White

**Joseph F. Sabik, III, MD**  
University Hospitals Cleveland Medical Center

**Hartzell V. Schaff, MD**  
Mayo Clinic

**Alexander Schutz, MD**  
Baylor College of Medicine

**Alexis Shafii, MD**  
Baylor College of Medicine

**Malakh L. Shrestha, MBBS, PhD**  
Mayo Clinic

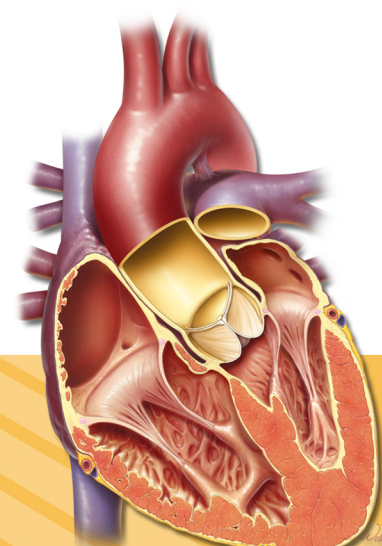
**Scott C. Silvestry, MD**  
University of Arizona

**David Spielvogel, MD**  
Westchester Medical Center

**Vinod H. Thourani, MD**  
Piedmont Heart

**Anna H. Xue, MD**  
Baylor College of Medicine

**Brittany A. Zwischenberger, MD**  
Duke University Medical Center



# FACULTY DISCLOSURE STATEMENT

As an accredited provider of continuing medical education for physicians, Texas Heart Institute is committed to ensuring its educational activities are fair, balanced, independent, objective, evidence-based and support safe and effective patient care. The ACCME Standards for Integrity and Independence require that we collect disclosure from anyone who has control of the content of a CME activity. All individuals in control of content have disclosed all financial relationships that they have had in the past 24 months with ineligible companies. The ACCME defines an “ineligible company” as any entity whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

**Michael A. Acker, MD** is a scientific advisor for Fineheart; he is a consultant for Iota Biosciences.

**Gorav Ailawadi, MD** is a consultant for Abbott and Edwards.

**Vinay Badhwar, MD** has nothing to disclose relevant to this program.

**Faisal G. Bakaeen, MD** has nothing to disclose relevant to this program.

**Lauren M. Barron, MD** has nothing to disclose relevant to this program.

**Joseph E. Bavaria, MD** is a clinical trial investigator and Edwards Lifesciences, Inc., Abbott/St. Jude Medical Inc., W.L. Gore & Associates, Inc, and Terumo Aortic. Dr. Bavaria is also a consultant for Edwards Lifesciences, Inc., and W.L. Gore & Associates, Inc.; he is on the Data and Safety Monitoring Board for Abbott/St. Jude Medical, Inc. and on the speakers bureau for Terumo Aortic.

**Alan C. Braverman, MD** has nothing to disclose relevant to this program.

**Duke E. Cameron, MD** has nothing to disclose relevant to this program.

**Luis J. Castro, MD** is a consultant for Abbott.

**Subhasis Chatterjee, MD** has nothing to disclose relevant to this program.

**Edward P. Chen, MD** has nothing to disclose relevant to this program.

**W. Randolph Chitwood, Jr, MD** has nothing to disclose relevant to this program.

**Lorraine D. Cornwell, MD** is a researcher for Edwards.

**Joseph S. Coselli, MD** has nothing to disclose relevant to this program.

**James L. Cox, MD** is on the Board of Directors for Adagio Medical, Inc., PAVmed and Lucid Diagnostics; he is a consultant for Atricure, Inc. Dr. Cox is a stockholder for Adagio Medical, Inc., PAVmed and Lucid Diagnostics and Atricure, Inc.

**Jennifer R. Cozart, MD** has nothing to disclose relevant to this program.

**Ralph J. Damiano, Jr, MD** receives research support from AtriCure and Pulse Biosciences; he is a speaker for AtriCure and Edwards. Dr. Damiano is a consultant for Medtronic.

**Tirone E. David, MD** has nothing to disclose relevant to this program.

**Piroze M. Davierwala, MD** is a speaker and proctor for Medtronic, Inc; he received a grant for his clinical fellowship from Medtronic, Inc. and Edwards Lifesciences.

**Roberto Di Bartolomeo, MD** has nothing to disclose relevant to this program.

**Marek P. Ehrlich, MD** received an educational grant from Terumo.

**John A. Elefteriades, MD** has nothing to disclose relevant to this program.

**Ismail El-Hamamsy, MD, PhD** has nothing to disclose relevant to this program.

**Anthony L. Estrera, MD** is a consultant for Gore and Artivon; he is an advisory board member for Artivon. Dr. Estrera is also a speaker for Terumo.

**O.H. “Bud” Frazier, MD** is on the advisory board for BiVACOR, Inc.

**Mario F. L. Gaudino, MD, PhD** has nothing to disclose relevant to this program.

**Isaac George, MD** received funding from Edwards and Medtronic.

**Ravi K. Ghanta, MD** is on the advisory board for Avenge Bio.

**A. Marc Gillinov, MD** is a consultant for Edwards Lifesciences.

**Leonard N. Girardi, MD** has nothing to disclose relevant to this program.

**Michael E. Halkos, MD** is on the advisory board for Medtronic.

**G. Chad Hughes, IV, MD** has nothing to disclose relevant to this program.

**Arminder S. Jassar, MBBS** is a consultant for Terumo Aortic and Edwards Lifesciences.

---

**Puja Kachroo, MD** has nothing to disclose relevant to this program.

**Tsuyoshi Kaneko, MD** is on the advisory board for Edwards Lifesciences, Abbott and Johnson & Johnson; he is a consultant for Edwards Lifesciences, Medtronic, Abbott, Johnson & Johnson.

**Nicholas T. Kouchoukos, MD** has nothing to disclose relevant to this program.

**Steven L. Lansman, MD, PhD** has nothing to disclose relevant to this program.

**Jennifer S. Lawton, MD** has nothing to disclose relevant to this program.

**Scott A. LeMaire, MD** is a consultant for Cerus.

**Kenneth K. Liao, MD, PhD** has nothing to disclose relevant to this program.

**James J. Livesay, MD** has nothing to disclose relevant to this program.

**Gabriel Loor, MD** has nothing to disclose relevant to this program.

**S. Chris Malaisrie, MD** is a consultant, speaker, receives honoraria and research grants from Edwards, Artivion, and Terumo; he is on the advisory board for Edwards. Dr. Malaisrie also received a research grant from Medtronic.

**Randolph P. Martin, MD** is a member of the Apollo TMVR screening/steering committee.

**Germano Melissano, MD** has nothing to disclose relevant to this program.

**Dianna M. Milewicz, MD, PhD** is an advisor for Invitae Genetic Testing Study and GeneDX.

**D. Craig Miller, MD** has nothing to disclose relevant to this program.

**Marc R. Moon, MD** has nothing to disclose relevant to this program.

**Tom C. Nguyen, MD** is a speaker for Edwards Lifesciences and Abbott.

**Gustavo S. Oderich, MD** has nothing to disclose relevant to this program.

**Julina Ongkasuwan, MD** is on the scientific advisory board for Inovio and received royalties from Springer.

**Vicente Orozco-Sevilla, MD** is a consultant for Cook Medical and is a co-principal investigator for Gore and Terumo.

**Maral Ouzounian, MD, PhD** has nothing to disclose relevant to this program.

**Octavio Pajaro, MD, PhD** has nothing to disclose relevant to this program.

**Himanshu Patel, MD** is a consultant for Gore, Endospan, and Medtronic.

**Juan Carlos Plana Gomez, MD** has nothing to disclose relevant to this program.

**John D. Puskas, MD** has nothing to disclose relevant to this program.

**Harold G. Roberts, Jr, MD** has nothing to disclose relevant to this program.

**Matthew A. Romano, MD** has nothing to disclose relevant to this program.

**Eric E. Roselli, MD** has nothing to disclose relevant to this program.

**Marc Ruel, MD** receives research grants and is a proctor for Medtronic.

**Joseph F. Sabik, III, MD** is a consultant and speaker for Medtronic.

**Hartzell V. Schaff, MD** has nothing to disclose relevant to this program.

**Alexander Schutz, MD** has nothing to disclose relevant to this program.

**Alexis Shafii, MD** has nothing to disclose relevant to this program.

**Malakh L. Shrestha, MBBS, PhD** is a consultant and speaker for Terumo Aortic and Edwards Lifesciences.

**Scott C. Silvestry, MD** is a consultant for Abbott, Abiomed, Medtronic.

**David Spielvogel, MD** has nothing to disclose relevant to this program.

**Vinod H. Thourani, MD** is a researcher and advisor for Abbott Vascular, Edwards Lifesciences, and Boston Scientific.

**Anna H. Xue, MD** has nothing to disclose relevant to this program.

**Brittany A. Zwischenberger, MD** has nothing to disclose relevant to this program.

**The Planning Committee** has nothing to disclose relevant to this program.

**The THI CME Staff** has nothing to disclose relevant to this program.

**The Program Reviewers** has nothing to disclose relevant to this program.

**All relevant financial relationships have been mitigated.**

---

12<sup>th</sup>  
**CURRENT  
TRENDS**

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

# AGENDA

## Friday November 1, 2024 – DAY 1

---

7:00 – 7:40 AM Breakfast and Registration - *DISCOVERY FOYER*

7:40 – 7:50 AM CME Announcements - *DISCOVERY CENTER*

7:50 - 8:00 AM INTRODUCTION AND WELCOME - *DISCOVERY CENTER*  
Joseph S. Coselli, MD / Marc R. Moon, MD

---

**8:00 – 9:50 AM** **Plenary Session 1 – Ascending Aorta and Root**  
**Moderators: Joseph S. Coselli, MD / Marc. R. Moon, MD**

Fate of the Unoperated Ascending Aortic Aneurysm  
John A. Elefteriades, MD

Anatomy and Function of the Aortic Root: Implications for Reconstruction  
D. Craig Miller, MD

Aortic Valve Repair: Tips and Tricks  
Ismail El-Hamamsy, MD, PhD

Root Enlargement vs. Root Replacement: How to Deal with a Small Annulus  
Luis J. Castro, MD

VSRR: How I Did It Then, How I Do It Now  
Tirone E. David, MD

Redo Root Surgery: Results and Technical Pearls  
Joseph E. Bavaria, MD

My Journey Through Five Decades of Aortic Surgery  
Nicholas T. Kouchoukos, MD

Panel Discussion

---

9:50 – 10:10 AM BREAK – VISIT EXHIBITS - *DISCOVERY FOYER*

---

**10:10 – 11:45 AM** **Session 2 (Concurrent) – Coronary Revascularization Update - *FOUNDERS I & II***  
**Moderators: Mario F. L. Gaudino, MD / Ravi K. Ghanta, MD**

Functional Assessment of Ventricular Function: Assessing Operability  
Juan Carlos Plana Gomez, MD

DISCOVERY CENTER

Medical Therapy of the Post-CABG Patient  
Alan C. Braverman, MD

PCI vs. CABG in Multivessel Disease: Where Do We Stand in 2024?  
Jennifer S. Lawton, MD

Treatment of Left Main Disease: Digging Deeper into EXCEL and NOBEL  
Joseph F. Sabik, III, MD

Predicting Long-term Patency Preop and Intraop  
John D. Puskas, MD

CABG in Patients with Ischemic Cardiomyopathy: Mechanical Support Options  
Scott C. Silvestry, MD

Panel Discussion

10:10 – 11:45 AM

**Session 3 (Concurrent) – Contemporary Treatment of Aortic Dissection**

**Moderators: Duke E. Cameron, MD / Vicente Orozco-Sevilla, MD - DISCOVERY CENTER**

Heritable Connective Tissue Disorders: What We Know in 2024  
Dianna M. Milewicz, MD, PhD

Biology of Dissection vs. Aneurysm: Similarities and Differences  
Scott A. LeMaire, MD

Cannulation Strategy and Temperature Management: How I Do It  
Edward P. Chen, MD

Type A Dissection: Extent of Proximal and Distal Resection  
S. Chris Malaisrie, MD

Aortic Dissection: How I Do It / Tips and Tricks  
Marek P. Ehrlich, MD

Extended Repair in Type A Dissection: B-SAFER  
Eric E. Roselli, MD

Frozen Elephant Trunk in Europe: Is it Standard in Dissection?  
Roberto Di Bartolomeo, MD

Panel Discussion

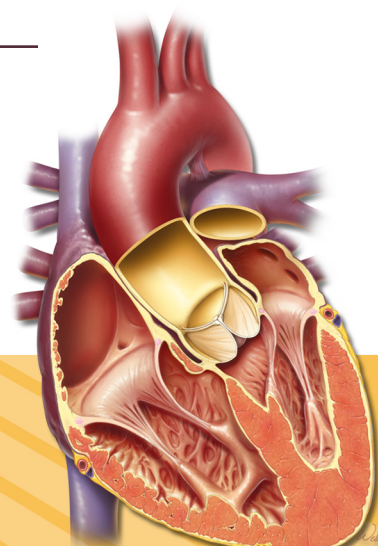
11:50 – 11:55 AM

**INTRODUCTION OF KEYNOTE SPEAKER - DISCOVERY CENTER**

Marc R. Moon, MD

11:55 – 12:30 PM

**KEYNOTE SPEAKER – Economics of Cardiac and Aortic Surgery:  
Understanding Your Worth  
Joseph E. Bavaria, MD**



12<sup>th</sup>  
**CURRENT  
TRENDS**

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

# AGENDA

- 12:30 – 12:40 PM LUNCH – PICK UP IN FOYER
- 12:40 – 12:45 PM INTRODUCTION OF LUNCH SPEAKER - *DISCOVERY CENTER*  
Joseph S. Coselli, MD / Scott A. LeMaire, MD

**12:45 – 1:10 PM LUNCH WITH BUD – 50 Years with Drs. Cooley and DeBakey: Lessons Learned  
O.H. “Bud” Frazier, MD**

**1:15 – 4:00 PM Simulation Room (Non-CME) - *FOUNDERS III & IV***

**1:15 – 2:50 PM Session 4 (Concurrent) – Mitral / Tricuspid Update - *DISCOVERY CENTER*  
Moderators: Ralph J. Damiano, Jr., MD / Gabriel Loor, MD**

Echocardiography in Mitral and Tricuspid Disease: Defining the Lesions  
Randolph P. Martin, MD

Matching the Intervention to the Pathology  
Marc R. Moon, MD

Degenerative Valve Repair: How to Make an Average Surgeon Great  
Matthew A. Romano, MD

Ischemic MR: Should We Really Be Replacing All These Valves?  
Michael A. Acker, MD

Tricuspid Regurgitation: Fix It, or Forget It?  
Hartzell V. Schaff, MD

Surgical Approach to a Hostile Aortic or Mitral Annulus  
Tirone E. David, MD

Panel Discussion

**1:15 – 2:50 PM Session 5 (Concurrent) – Coronary Revascularization Deep Dive - *FOUNDERS I & II*  
Moderators: John D. Puskas, MD / Alexis E. Shafii, MD**

Designing the CABG Operation of the Future  
Marc Ruel, MD

What is the Best Second Conduit?  
Brittany A. Zwischenberger, MD

Hybrid Coronary Revascularization in Multivessel Disease  
Michael E. Halkos, MD

DISCOVERY CENTER

FOUNDERS I & II



Robotic CABG: Technical Tips and Tricks  
Kenneth K. Liao, MD, PhD

Bilateral Mammary Grafting: How I Do It  
John D. Puskas, MD

Management of Adults with Anomalous Coronary Arteries  
Mario F. L. Gaudino, MD

Panel Discussion

2:50 – 3:10 PM

BREAK – VISIT EXHIBITS - *DISCOVERY FOYER*

3:10 – 4:45 PM

**Session 6 (Concurrent) – Ross Procedure Deep Dive - *DISCOVERY CENTER***  
**Moderators: D. Craig Miller, MD / Alexander Schutz, MD**

Ross Procedure: How I Do It  
William H. Ryan, MD  
(*Moment of Silence in Honor of His Passing*)

Tailoring the Ross to Maximize Durability  
Ismail El-Hamamsy, MD, PhD

When Not to Perform the Ross Procedure  
Maral Ouzounian, MD, PhD

Bentall Procedure for Root Disease  
Duke E. Cameron, MD

Homograft Root Replacement: Still a Viable Option  
Faisal G. Bakaeen, MD

When a Valve Cannot Be Repaired: Biologic or Mechanical?  
Puja Kachroo, MD

Panel Discussion

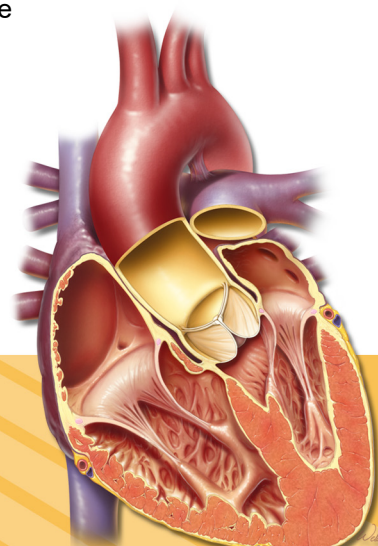
3:10 – 4:45 PM

**Session 7 (Concurrent) – Mitral / Tricuspid Master Class - *FOUNDERS I & II***  
**Moderators: Michael A. Acker, MD / James J. Livesay, MD**

Endocarditis of the Fibrous Trigone: To Spare or Not Spare the Mitral Valve  
Piroze M. Davierwala, MD

Transcatheter Valve in MAC: When and How  
Isaac George, MD

TEER: When I Do It, and When I Don't  
Gorav Ailawadi, MD



12<sup>th</sup>  
**CURRENT  
TRENDS**

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

# AGENDA

FOUNDERS I & II

Guidelines vs. Practice in Mitral Valve Replacement

Matthew A. Romano, MD

Surgical Treatment of Hypertrophic Cardiomyopathy: Continuing to Evolve

Hartzell V. Schaff, MD

Cox-Maze Procedure: Who, When, and How?

Ralph J. Damiano, Jr., MD

Panel Discussion

**4:50 – 5:15 PM**

**From Curitiba to Toronto: A Fireside Chat with Tirone David - *DISCOVERY CENTER***

**Moderator: Randolph P. Martin, MD**

5:15 – 5:30 PM

Closing Remarks

5:30 – 6:30 PM

RECEPTION

6:30 – 10:00 PM

FACULTY DINNER

## Saturday November 2, 2024 – DAY 2

7:00 – 7:25 AM

Breakfast and Registration - *DISCOVERY FOYER*

7:25 – 7:30 AM

WELCOME AND ANNOUNCEMENTS - *DISCOVERY CENTER*

Joseph S. Coselli, MD / Marc R. Moon, MD

7:30 – 7:35 AM

Introduction of “Breakfast with Ranny”

Marc R. Moon, MD

**7:35 – 8:05 AM**

**Breakfast with Ranny – My Life Behind the Camera: Integrating Art and Science**

**W. Randolph Chitwood, Jr., MD - *DISCOVERY CENTER***

**8:15 – 9:50 AM**

**Session 8 (Concurrent) – Aortic Arch - *DISCOVERY CENTER***

**Moderators: Arminster S. Jassar, MBBS / Lauren M. Barron, MD**

Aortic Surgery in Pregnancy

Steven L. Lansman, MD, PhD

Selective Cerebral Perfusion: What Does the Evidence Show?

David Spielvogel, MD

Organ Protection During Surgery on the Thoracoabdominal Aorta

Germano Melissano, MD

DISCOVERY CENTER

Arch Replacement: From Hannover to the Mayo Clinic  
Malakh L. Shrestha, MBBS, PhD

FET and Distal Remodeling: What Do We Still Need to Learn?  
Vicente Orozco-Sevilla, MD

Tailored Arch Reconstruction after Acute Type A Repair  
G. Chad Hughes, MD

Panel Discussion

8:15 – 9:50 AM

**Session 9 (Concurrent) – Transcatheter Minimally Invasive Therapies Update**  
**Moderators: Vinay Badhwar, MD / Lorraine D. Cornwell, MD - *FOUNDERS I & II***

With Incisions This Small, Who Needs Transcatheter Therapies?  
Tom C. Nguyen, MD

Robotic MV Repair: The Patients Like It, So Should You  
A. Marc Gillinov, MD

Using Cryo to Simplify the Maze Procedure  
Harold G. Roberts, Jr., MD

Convergent Procedure for AFib: Technique and Outcomes  
Jennifer R. Cozart, MD

Transcatheter Mitral Valve Replacement: Is it the Future?  
Vinod H. Thourani, MD

Transcatheter Tricuspid Therapies: Panacea or Placation?  
Tsuyoshi Kaneko, MD

Panel Discussion

8:15 – 9:50 AM

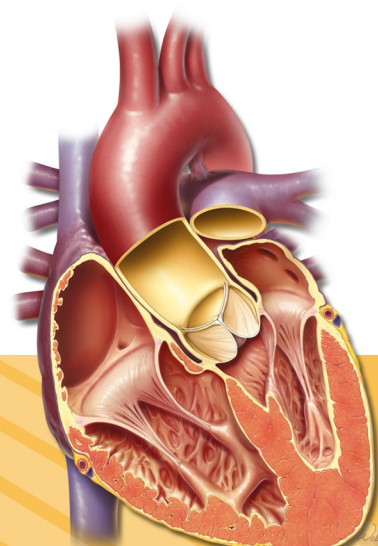
**Session 10 (Concurrent) – Perioperative Care for Cardiovascular Surgery**  
**Moderators: Subhasis Chatterjee, MD / Anthony L. Estrera, MD - *FOUNDERS III & IV***

Myocardial Ischemia after CABG: Leave it, Cath Lab, Back to OR?  
Mario F. L. Gaudino, MD, PhD

Management of Vocal Cord Complications after Aortic Surgery  
Julina Ongkasuwan, MD

Blood Conservation in Open DTA/TAAA Repair  
Anthony L. Estrera, MD

Vasoplegic Shock after Surgery for Infectious Endocarditis:  
Management Strategies  
Subhasis Chatterjee, MD



12<sup>th</sup>  
**CURRENT  
TRENDS**

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

# AGENDA

FOUNDERS III & IV

Should DAPT be Routine after CABG  
John D. Puskas, MD

ECMO after Aortic Surgery: When, How, Management Considerations  
Himanshu Patel, MD

Panel Discussion

---

9:50 – 10:05 AM BREAK – VISIT EXHIBITS - *DISCOVERY FOYER*

---

10:05 – 10:10 AM INTRODUCTION OF E. STANLEY CRAWFORD LECTURE - *DISCOVERY CENTER*  
Joseph S. Coselli, MD

**10:10 – 10:45 AM EIGHTH E. STANLEY CRAWFORD LECTURE**  
**Roberto Di Bartolomeo, MD**

---

10:45 – 10:55 AM BREAK – VISIT EXHIBITS - *DISCOVERY FOYER*

---

**10:55 – 12:30 PM Plenary Session 11 – Descending and Thoracoabdominal Aorta - *DISCOVERY CENTER***  
**Moderators: Maral Ouzounian, MD, PhD / Anna Xue, MD**

Predicting Complications in Descending and TAA Aneurysms  
John A. Elefteriades, MD

Open TAA For Chronic Dissection: Pitfalls and Pearls  
Leonard N. Girardi, MD

Novel Options for Complex Arch / Descending Disease  
Puja Kachroo, MD

FEVAR in TAA: How I Do It, and When to Say No  
Gustavo S. Oderich, MD

Neuromonitoring and Spinal Cord Protection: Prevention & Salvage  
Anthony L. Estrera, MD

3,800 TAAA Repairs and Counting: Lessons Learned  
Joseph S. Coselli, MD

Panel Discussion

---

DISCOVERY CENTER

12:30 – 12:45 PM LUNCH – PICK UP IN FOYER

12:45 – 12:50 PM INTRODUCTION OF HISTORY LECTURE - *DISCOVERY CENTER*  
Ralph J. Damiano, Jr, MD

**12:50 – 1:20 PM HISTORY LECTURE – 35 Years Since My First Maze: Is There Anything Left to Learn?**  
**James L. Cox, MD**

**1:25 – 3:00 PM Plenary Session 12 – What Do the Guidelines Say? Updates and Controversies**  
**Moderators: Joseph S. Coselli, MD / Octavio Pajaro, MD, PhD - *DISCOVERY CENTER***

Artificial Intelligence for Aortic Patients: Disruptive Positive or Negative?  
Germano Melissano, MD

Perspectives on the ACC/AHA Guidelines for Aortic Disease  
Arminster S. Jassar, MBBS

STS / AATS Type B Dissection: Guidelines or Suggestions?  
Himanshu Patel, MD

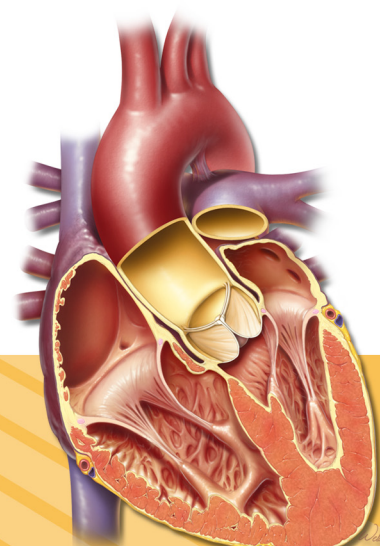
TAVR vs. SAVR: Is it too Late for an Evidence-Based Approach?  
Vinay Badhwar, MD

SAVR after TAVR: A Growing Concern  
Vinod H. Thourani, MD

Coronary Revascularization: Where the Guidelines Fall Short  
Faisal G. Bakaeen, MD

Panel Discussion

**3:00 – 3:10 PM WRAP UP AND ADJOURN - *DISCOVERY CENTER***  
**Joseph S. Coselli, MD / Marc R. Moon, MD**



## To receive your CME credits, you must complete the CME Evaluation

The CME Evaluation QR code will be available to scan at the Registration Desk on Saturday, November 2, 2024, during the last break.

After completing the evaluation, you will be directed to the CME portal:

- Sign in (or create a new account)

*(To create a new account type in your email address and choose “Create Account – Enter your Last Name and Phone Number – Choose Continue”)*

- Select the appropriate credit for this symposium

*(You can print your certificate once connected to a printer)*

**NOTE: You must complete ALL STEPS to successfully obtain your CME credit**

**DON'T FORGET TO SIGN-IN AT THE REGISTRATION DESK ON BOTH FRIDAY & SATURDAY**

# NURSING CREDIT AND EVALUATION

## Requirements for successful Completion:

**To receive contact hours for this continuing education activity, the participant must:**

- Sign In on BOTH the main **Registration & CNE Attendance Roster**
- Attendance at (1) or more sessions (Full or Partial CNE credit)
- Complete and submit the evaluation survey for each presenter of the conference at the end of each day by Scanning the QR Code to access the evaluation

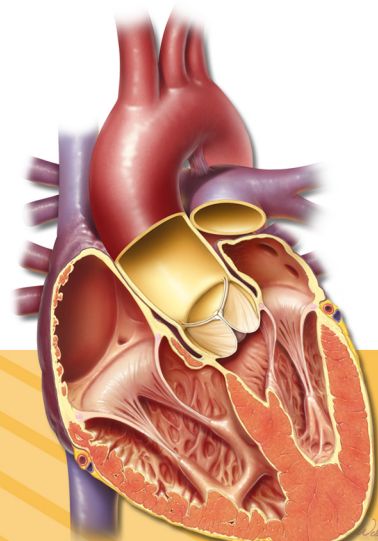
**Once successful completion has been verified, a “Certificate of Successful Completion” will be awarded for up to 13.75 contact hours. You will receive your CE Certificate via email within 7 business days of receipt of the completed evaluation form.**

**Relevant Financial Relationships:** The activity’s Nurse Planner has determined that no one who has the ability to control the content of this CNE activity (planning committee members and presenters/authors/content reviewers) has any relevant financial relationships.

**Explanation:** Financial relationship: A financial relationship of any dollar amount is defined as relevant if the educational content is related to the business lines or products of the ineligible company.

**Ineligible company:** Any entity whose primary business is producing, marketing, selling, reselling, or distributing health care products used by or on patients. All planners and presenters/authors/content reviewers must disclose the presence or absence of a financial relationship relative to this activity. Relevant financial relationships are resolved prior to the planning, implementation, or evaluation of the continuing nursing education activity.

**DON'T FORGET TO SIGN-IN AT THE REGISTRATION DESK  
ON BOTH FRIDAY & SATURDAY**



12<sup>th</sup>

# CURRENT TRENDS

IN AORTIC AND  
CARDIOVASCULAR SURGERY

**NOV 1 - 2, 2024**

## PERFUSION CREDIT

To successfully obtain your Perfusion Credit you must sign-in at the Registration Desk on both days of the symposium.

On Saturday, November 2nd the CME staff at the Registration Desk will provide a *Certificate of Completion* for your record of attendance.

**DON'T FORGET TO SIGN-IN AT THE REGISTRATION DESK  
ON BOTH FRIDAY & SATURDAY**



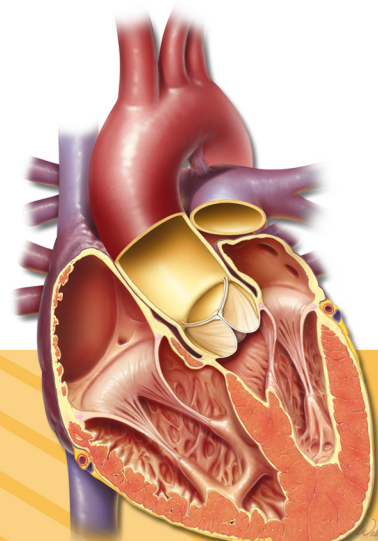








Lined writing area with a background of fine, light-colored diagonal lines. The page contains 25 horizontal lines for writing, starting from the top of the white area and ending just above the heart illustration.





Baylor  
College of  
Medicine

MICHAEL E. DIBAKEY  
DEPARTMENT OF  
SURGERY

 THE TEXAS HEART INSTITUTE®

 Baylor St. Luke's  
Medical Center