



9TH CURRENT TRENDS IN AORTIC AND CARDIOVASCULAR SURGERY AND INTERVENTIONS

Activity Directors:

Joseph S. Coselli, M.D.

Zvonimir Krajcer, M.D.

April 26 - 27, 2013
Royal Sonesta Houston



ST. LUKE'S Episcopal Hospital



Colegio Argentino de Cirujanos
Cardiovasculares y Endovasculares

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ENDOVASCULAR
SPECIALISTS



TEXAS HEART INSTITUTE
at St. Luke's Episcopal Hospital

9TH CURRENT TRENDS IN AORTIC AND CARD

Thursday, April 25, 2013

6:30 - 8:30 PM Welcome Reception (*non-CME*)

Friday, April 26, 2013

6:45 AM Registration/Continental Breakfast

8:00 CME Announcements
Introduction of Drs. Coselli and Krajcer

8:05 Welcome, Announcements, and Introduction
Joseph S. Coselli, M.D.

Aortic I: Aortic Root - Joseph S. Coselli, M.D., *Moderator*

8:10 - 8:36 **DEBATE: The Bicuspid Aortic Valve Can Be Spared**
PRO - Gébrine El Khoury, M.D.
CON - Joseph E. Bavaria, M.D.

8:38 - 8:53 **Advanced Techniques for Leaflet Repair in Aortic Valve Procedures**
Tirone E. David, M.D.

8:55 - 9:10 **Personalized External Aortic Root Support: Clinical Results up to Nine Years in Marfan Syndrome**
Tom Treasure, M.D.

9:12 - 9:25 Panel Discussion / Feedback / Q&A

9:25 - 9:55 Break and Visit Exhibits

Aortic II: Dissection / AAA - Zvonimir Krajcer, M.D., *Moderator*

10:00 - 10:26 **DEBATE: EVAR Should be the Treatment of Choice for Ruptured AAA**
PRO - Rodney A. White, M.D.
CON - James J. Livesay, M.D.

10:28 - 10:43 **Management of Malperfusion in Aortic Dissection**
G. Michael Deeb, M.D.

10:45 - 11:00 **What Have We Learned from the PEVAR Trial**
Zvonimir Krajcer, M.D.

11:02 - 11:14 Panel Discussion / Feedback / Q&A

11:16 - 11:19 **Introduction of Keynote Speaker**
Joseph S. Coselli, M.D.

11:20 - 12:00 PM **KEYNOTE ADDRESS**
Craig R. Smith, M.D.

12:01 - 12:03 **Morning Wrap-up**
Joseph S. Coselli, M.D.

12:10 - 1:20 Luncheon



U.S. Naval Air Training and Operational Excellence
Rear Admiral William G. Sizemore, II
Chief, Naval Air Training, US Navy, Ret.

Aortic Surgery III: Arch - Kenneth L. Mattox, M.D., *Moderator*

1:30 - 1:56 **DEBATE: Hypothermia Alone is Enough for Cerebral Protection In Aortic Arch Surgery**
PRO - John A. Elefteriades, M.D.
CON - Steven L. Lansman, M.D.

1:58 - 2:13 **Hybrid Techniques for Complex Aortic Arch Surgery**
Ourania A. Preventza, M.D.

2:15 - 2:30 **Redo Aortic Arch Surgery: Pitfalls and Pearls**
Alberto Pochettino, M.D.

2:32 - 2:45 Panel Discussion / Feedback / Q&A

2:45 - 3:15 Break and Visit Exhibits

CONCURRENT SESSION BREAKOUT - *Champions I & II*

Interventions: Session I - Neil E. Strickman, M.D. and Zvonimir Krajcer, M.D., *Moderators*

1:30 - 1:45 **Are TASC II D Lesions Off Limits for Endovascular Interventions?**
Francesco Serino, M.D.

1:47 - 2:02 **Current Status of Drug-Eluting Technologies for Treatment of Femoropopliteal Arterial Disease**
Michael D. Dake, M.D.

2:04 - 2:19 **The Angiosome Concept Should be the Standard of Care for Tibiopopliteal Interventions**
Francesco Serino, M.D.

2:21 - 2:36 **Drug-eluting Balloons and Stents, Stent Grafts and Bioabsorbable Stents: Which Technology Will Prevail?**
Michael D. Dake, M.D.

2:38 - 2:45 Panel Discussion / Feedback / Q&A

2:45 - 3:15 Break and Visit Exhibits

Aortic Surgery IV: Descending / Thoracoabdominal -

Scott A. LeMaire, M.D., *Moderator*

3:20 - 3:35 **Branch Stent Grafts in the Thoracoabdominal Aorta**
Marcelo Ferreira, M.D.

3:37 - 3:52 **Complex Management Issues with Open and Hybrid Distal Repairs**
Lars G. Svensson, M.D., Ph.D.

3:54 - 4:09 **Update on Repairs of the Thoracoabdominal Aorta**
Joseph S. Coselli, M.D.

4:11 - 4:26 **Current Status of Minimally Invasive Mitral Valve Surgery**
John G. Byrne, M.D.

4:28 - 4:43 **Delayed Treatment of Non-Traumatic Thoracic Aortic Rupture**
Luis Bechara-Zamudio, M.D.

4:45 - 5:00 Panel Discussion / Feedback / Q&A

5:00 Wrap-up and Adjourn



E. Stanley Crawford, M.D. Dr. Ernest Stanley Crawford graduated from Harvard Medical School in 1946. He served as a lieutenant at the U.S. Naval Hospital in Portsmouth, New Hampshire. Dr. Crawford joined Dr. Michael E. DeBakey at Baylor Hospital. He served as a Professor of Surgery from July 1966 until his retirement. He was co-inventor of the Baylor Rapid Autologous Transfusion System, a technique for treating complex aortic diseases, particularly Marfan syndrome. He has published numerous articles in medical publications and book chapters and co-authored a textbook, *Principles of Aortic Surgery*. This reduces the amount of blood and blood product required for aortic surgery. Dr. Crawford was a true pioneer in medicine. The innovations he developed are still used by aortic surgeons and treat patients today. His legacy will always live on.

ENDOVASCULAR SURGERY AND INTERVENTIONS

Saturday, April 27, 2013

6:45 AM Registration/Continental Breakfast

8:00 Welcome and Announcements
Joseph S. Coselli, M.D.

Structural Heart I: Mitral Valves / Arrhythmia -

Peter I. Tsai, M.D., *Moderator*

8:05 - 8:20 New Advances in Minimally Invasive Left Atrial Appendage Exclusion
William E. Cohn, M.D.

8:22 - 8:37 Latest Advances in Catheter-based Ablation for Atrial Fibrillation
Ali Massumi, M.D.

8:39 - 8:54 Robotic Mitral Valve Repair
Tomislav Mihaljevic, M.D.

8:56 - 9:11 Myocardial Regeneration Through Cellular Reprogramming: One Step Past Transplants and VADs
Todd K. Rosengart, M.D.

9:13 - 9:25 Panel Discussion / Feedback / Q&A

9:25 - 9:55 Break and Visit Exhibits

Structural Heart II: TAVR - Faisal G. Bakaeen, M.D., *Moderator*

10:00 - 10:15 Alternative Non Ilio-Femoral Approaches to TAVR
Vinod H. Thourani, M.D.

10:17 - 10:32 TAVR: Indications Beyond the Clinical Trials
Michael J. Reardon, M.D.

10:34 - 10:49 Vascular Access Complications During TAVR
Zvonimir Krajcer, M.D.

10:51 - 11:06 Tales from the TAVR Trenches
W.P. 'Spanner' Van Zyl, M.D.

11:08 - 11:20 Panel Discussion / Feedback / Q&A

11:22 - 11:25 Introduction of E. Stanley Crawford Lecturer
Joseph S. Coselli, M.D.

11:26 - 12:06 PM Fifth E. Stanley Crawford Lectureship
Nicholas T. Kouchoukos, M.D.

12:07 - 12:10 Morning Wrap-up
Joseph S. Coselli, M.D.

12:15 - 1:20 Luncheon

TAVR: State of the Art and What's in the Pipeline?
Michael J. Mack, M.D.



Graduated Phi Beta Kappa from the University of Alabama in 1943 and Alpha Kappa Lambda from the University of Alabama at Birmingham. He served as a resident in internal medicine at Massachusetts General Hospital in Boston. He served as a faculty member at Baylor College of Medicine in Houston where he spent the next thirty-eight years. He died in 1992 and became internationally known for his innovative surgical approach to aortic dissection. He authored more than 300 peer-reviewed articles. His book, *Diseases of the Aorta*, with his son Dr. John Lloyd Crawford II, Dr. Crawford's son, is a landmark text. This machine recycles a patient's washed red blood cells during complex aortic aneurysm and other arterial surgeries. The machine is used in surgery and research are used to train future generations of cardiovascular surgeons.

Structural Heart III: Transplant / VADS -

Kim de la Cruz, M.D., *Moderator*

1:35 - 1:50 Heart Transplantation in the Era of Continuous Flow Assist Devices
Hari R. Mallidi, M.D.

1:52 - 2:07 The Future Ventricular Assist Device
O.H. Frazier, M.D.

2:09 - 2:24 An Update on Pediatric Cardiac Transplants
Charles D. Fraser, Jr., M.D.

2:26 - 2:41 The Total Artificial Heart Experience: Current Status and Future Direction
Jack G. Copeland, M.D.

2:42 - 2:55 Panel Discussion / Feedback / Q&A

2:55 - 3:20 Break and Visit Exhibits

CONCURRENT SESSION BREAKOUT - *Champions I & II*

Interventions: Session II - Claudio J. Schönholz, M.D. and

James J. Livesay, M.D., *Moderators*

1:35 - 2:01 DEBATE: Carotid Artery Stenting Remains Inferior to Carotid Endarterectomy for the Great Majority of Patients with Carotid Artery Disease
PRO - William D. Jordan, M.D.
CON - Christopher J. White, M.D.

2:03 - 2:18 The Latest Advances in Endovascular Treatment of Visceral Artery Aneurysms
Michel E. Mawad, M.D.

2:20 - 2:35 How Have the Latest Carotid Artery Stenting Trials Influenced Our Approach to Treat Carotid Artery Disease?
Claudio J. Schönholz, M.D.

2:37 - 2:50 Panel Discussion / Feedback / Q&A

2:50 - 3:20 Break and Visit Exhibits

Structural Heart IV: Coronary Arteries -

Joseph S. Coselli, M.D., *Moderator*

3:25 - 3:40 The Future of Coronary Interventions: Which Technology Will Prevail
Jeffrey J. Popma, M.D.

3:42 - 3:57 OPCAB: State of the Art and Long Term Results
John D. Puskas, M.D.

3:59 - 4:14 Endovascular Approaches for the Treatment of Paravalvular Leaks and Ventricular Septal Defects
Chad A. Kliger, M.D.

4:16 - 4:31 When to Do Surgery for Coronary Anomalies
Paolo Angelini, M.D.

4:33 - 4:53 Panel Discussion / Feedback / Q&A

4:55 - 5:00 Wrap-up and Adjourn

Online registration is available at
cme.texasheart.org

Conference Faculty

Paolo Angelini, M.D.
Texas Heart Institute
Houston, TX

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Houston, TX

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Claudio J. Schönholz, M.D.
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IDI IRCCS Vascular Surgery
Rome, Italy

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Rear Admiral, United States Navy, Ret.
Washington, DC

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Neil E. Strickman, M.D.
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Cleveland, OH

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Emory University School of Medicine
Atlanta, GA

Tom Treasure, M.D.
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London, England

Peter I. Tsai, M.D.
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Houston, TX

W.P. 'Spanner' Van Zyl, M.D.
Cardiothoracic Surgeon
Cape Town, South Africa

Christopher J. White, M.D.
John Ochsner Heart & Vascular Institute
New Orleans, LA

Rodney A. White, M.D.
University of California at Los Angeles
Torrance, CA



Craig R. Smith, M.D., our 2013 Keynote speaker, received his medical degree from Case Western Reserve University. He received his training in general surgery with a fellowship in vascular surgery at the University of Rochester. After completing his residency in cardiothoracic surgery at Columbia Presbyterian, Dr. Smith joined the Columbia faculty as Associate Director of the Heart Transplant Program, which grew to be the most active program in the United States. Dr. Smith was Chief of the Division of Cardiothoracic Surgery at Columbia from 1996-2009. In 2007, he was the recipient of the "Heart of New York Award for Achievement in Cardiovascular Science & Medicine" from the American Heart Association. In 2010, Dr. Smith was named the Chairman of the Department of Surgery, and currently is the Surgical Principal Investigator of the PARTNER Trial, comparing conventional aortic valve replacement to percutaneous valve replacement. Dr. Smith is the 92nd Past President of the American Association for Thoracic Surgery.



Nicholas Kouchoukos, M.D., recipient of our fifth E. Stanley Crawford Lectureship, is an attending cardiovascular surgeon at the Missouri Baptist Medical Center in St. Louis. He is a graduate of the Washington University School of Medicine in St. Louis and completed his residency in general surgery training at the Barnes-Jewish Hospital/Washington University Medical Center. He completed his cardiothoracic surgery training at the University of Alabama at Birmingham Medical Center. In 1981, Dr. Kouchoukos became the first John W. Kirklin Professor of Cardiovascular Surgery at the University of Alabama at Birmingham, and in 1984, he returned to St. Louis and was appointed the first John M. Shoenberg Professor of Cardiovascular Surgery and Surgeon-in-Chief at the Barnes-Jewish Hospital and Vice-Chairman of the Department of Surgery at Washington University School of Medicine. He has served on the Professional Advisory Board of the National Marfan Foundation (NMF), and received the *Hero with a Heart Award* from the NMF in 2009. In 2012, he received the *Antoine Marfan Award* from the NMF for his contributions to the surgical treatment of Marfan syndrome. Dr. Kouchoukos has co-authored the third and fourth editions of the textbook, *Cardiac Surgery*.

9TH CURRENT TRENDS IN AORTIC AND CARDIOVASCULAR SURGERY AND INTERVENTIONS

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Activity Directors:

Joseph S. Coselli, M.D.

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Michael E. DeBakey Department of Surgery
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Chief, Adult Cardiac Surgery
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Chief, Adult Cardiac Surgery Section
and Associate Chief Cardiovascular Service
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Zvonimir Krajcer, M.D.

Clinical Professor of Medicine
Baylor College of Medicine
Clinical Professor of Medicine
University of Texas Medical School Houston

Co-Director, Peripheral Vascular
Disease Service
Texas Heart Institute

Co-Director, Peripheral Vascular Intervention
St. Luke's Episcopal Hospital

Division Administrator:

Alan P. Stolz, M.Ed.

Conference Coordination:

Elaine M. Allbritton



Royal Sonesta Houston

Planning Committee:

Joseph S. Coselli, M.D., *Activity Co-Director*
Zvonimir Krajcer, M.D., *Activity Co-Director*
Scott A. LeMaire, M.D.

Alan P. Stolz, M.Ed., *Division Administrator*
Scott A. Weldon, M.A., C.M.I., *Visual Design*

Needs and Goals Cardiovascular surgery and interventions are continuously changing and developing fields, with new understandings of pathology evolving into new modalities for treatment and innovative treatment approaches. Thus there is an imperative need for both surgeons and interventionalists dealing with cardiovascular diseases to be updated on an ongoing basis on the etiology, functional abnormalities, disease processes, and both state-of-the-art open and endovascular and interventional therapies in a broad range of areas. These include procedures and methods to treat diseases of the aorta, heart, carotid and visceral vessels, and transplantation of the heart and ventricular assist devices.

Objectives At the conclusion of the activity the participant should be able to:

- Identify the current surgical and interventional trends and treatments for aortic, cardiac and valvular disease and peripheral diseases as well as the associated risk factors
- Outline treatments for sparing the bicuspid aortic valve, advanced techniques for valve leaflet repairs, and unique treatments for aortic root disease
- Discuss both open and endovascular approaches for the treatment of aortic dissection and the treatment of abdominal aortic aneurysms
- State the latest techniques utilized in the treatment of diseases of the aortic arch
- Outline the use of endovascular interventions for the treatment of peripheral vascular disease
- Describe the effectiveness of drug-eluting balloons, stents, and other interventional treatments
- State the most current methodologies for open, endovascular, and hybrid approaches for repairs of the descending and thoracoabdominal aorta
- Identify the latest techniques and approaches including traditional and minimally invasive approaches (including robotic) for the treatment of mitral valve disease
- Explain the current status of transcatheter aortic valve replacements (TAVR), including devices currently in use and in the development pipeline
- State the impact of continuous flow assist devices and total artificial hearts on the field of heart transplantation
- Outline the advantages and challenges of using stents versus open endarterectomy repairs for carotid artery disease
- Discuss the latest advances in the endovascular treatment of visceral artery aneurysms
- Identify the latest open surgical and interventional techniques for the treatment of coronary artery disease

Target Audience Aortic and Cardiovascular Surgeons, Vascular Surgeons, Interventional Cardiologists, Residents, Fellows, Physician Assistants, Nurse Practitioners, Nurses, and Perfusionists

Educational Methods Lectures ■ Case Presentations ■ Question and Answer Sessions ■ Panel Discussions ■ Audio-Visual Presentations ■ Syllabus

Evaluation Evaluation by questionnaire will address program content, presentation, and possible bias.

Accreditation Texas Heart Institute at St. Luke's Episcopal Hospital is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Texas Heart Institute at St. Luke's Episcopal Hospital designates this live activity for a maximum of 14.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

If you are a non-U.S. licensed physician, you will be eligible to receive *AMA PRA Category 1 Credit(s)*[™] for this activity.

An evaluation survey will provide each participant with the opportunity to review the speakers and their presentations, to identify educational needs, and to comment on any perceived commercial or promotional bias in the presentation.

Nursing Accreditation/Credit Designation For the purposes of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credit(s)*[™] issued by organizations accredited by the ACCME.

Perfusion Credit Designation The American Board of Cardiovascular Perfusion designates this continuing education activity for a maximum of 15.8 category 1 CEU's.

Fee, Registration & Confirmation Information Breakfasts, breaks, luncheons, and a conference syllabus are included in the registration fee. Refer to the registration form for the fee schedule. Your registration will not be processed until payment is received. Your registration will be confirmed. If you have not received confirmation at least 5 business days before the activity start date, contact the Office of Continuing Medical Education (OCME) immediately.

The OCME reserves the right to limit the number of participants in an activity and will not be responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

To register online and pay with your credit card, visit us at cme.texasheart.org and click on the REGISTER NOW button for this activity.

Refund & Activity Cancellation Policy The Office of Continuing Medical Education (OCME) must receive written notification of a refund request postmarked no later than April 12, 2013. A \$50.00 processing fee will be deducted from the registration fee paid to cover our processing charges. Late requests will not be processed and no refunds will be given for those who are registered but do not attend. Texas Heart Institute at St. Luke's Episcopal Hospital reserves the right to cancel the symposium if enrollment is deemed insufficient. Each registrant will be notified at the contact number indicated on the registration form followed by e-mail notification. In the case of activity cancellation, OCME's liability is limited to the registration fee paid. Refunds will be made by original method of payment.

Conference Location/Accommodations

Royal Sonesta Houston

2222 West Loop South, Houston, TX 77027

Reservations: 800.766.3782

Direct: 713.627.7600

Fax: 713.961.3327

Accommodations should be arranged directly with the Royal Sonesta Houston prior to **April 14, 2013**. Reservations made after that date are subject to availability. Please identify yourself with the *Texas Heart Institute Current Trends in Aortic and Cardiovascular Surgery and Interventions Conference* when making reservations in order to benefit from the special group rate (\$159.00 single/double).

For Further Information Contact

Texas Heart Institute at St. Luke's Episcopal Hospital

Office of Continuing Medical Education, MC3-276

P.O. Box 20345

Houston, TX 77225-0345

Phone: 713.218.2200

Fax: 713.218.2229

In order to meet the requirements of the Accreditation Council for Continuing Medical Education (ACCME), it is the policy of Texas Heart Institute at St. Luke's Episcopal Hospital that all individuals who are in a position to control the content of a CME activity (activity director(s), planning committee members, and course faculty) disclose relevant financial relationships with commercial interests. All identified conflicts of interest are managed to help ensure that the educational material is scientifically based, accurate, current, and objectively presented. Specific disclosure will be made to the participants prior to the educational activity. Faculty, topics, program schedule, and credit are subject to change. Audio taping or videotaping is prohibited without written permission from the Activity Director(s) and the Office of Continuing Medical Education, Texas Heart Institute at St. Luke's Episcopal Hospital, Houston, Texas.

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Registration Information

	On or before April 8, 2013	As of April 9, 2013 [†]
Physicians	\$425	\$500
Nurses/Nurse Practitioners/ Physician Assistants/Perfusionists	\$295	\$370
Residents/Fellows*	\$150	\$225
Medical Students*	\$75	\$125

**Verification required. Fax valid institutional ID within 24 hours of registration to 713.218.2229*

[†]Online registration will be available through Sunday, April 21, 2013; On-site registration will be open beginning April 26th at 6:45am.

Last Name _____ First Name _____ Middle Initial _____

Mailing Address _____

City _____ ST/Province _____ Postal Code _____ Country _____

Phone _____ Fax _____ E-mail _____

Institution/Affiliation _____

☐ MD ☐ DO ☐ PhD ☐ Resident or fellow-in-training with letter of introduction

Allied Health Professional ☐ RN ☐ PA ☐ CCP Other _____

☐ Please check if you have a disability and may need special accommodations. A staff member will contact you.

Payment Options

All fees should be in US dollars, drawn on a US bank, and made payable to Texas Heart Institute at St. Luke's Episcopal Hospital.

Check enclosed for \$ _____ or charge my ☐ Visa ☐ MC ☐ AMEX ☐ DiscoverCard

Name (as it appears on card) _____

Card Number _____ Exp. Date _____ CID _____

Signature _____

Return completed registration form and payment to:

Texas Heart Institute at St. Luke's Episcopal Hospital
Office of Continuing Medical Education, MC3-276
P.O. Box 20345
Houston, TX 77225-0345
Phone: 713.218.2200
Fax: 713.218.2229
Email: cme@texasheart.org



Online registration is available at
cme.texasheart.org



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