



## ADVANCED REVASCULARIZATION CHAPTER XVI

April 12-15, 2023

### Agenda

#### GENERAL SESSION

WEDNESDAY, APRIL 12, 2023

**7:15 am REGISTRATION / CONTINENTAL BREAKFAST**

*Ballroom Prefunction, Lobby Level*

**8:00 am WELCOME AND INTRODUCTION**

*Jasvinder Singh, MD; Yves R. Louvard, MD*

**8:10 am KEYNOTE LECTURE I | State-of-the-Art Bifurcation Lesion Treatment**

*Goran Stankovic, MD, PhD*

**8:50 am Keynote Lecture II | The Artificial Intelligence Revolution - The Promise and The Reality**

*Ravi Singh, MD*

#### SESSION I | CORONARY I

**Moderators:** *Yves R. Louvard, MD; Goran Stankovic, MD, PhD*

**Panelists:** *Mohamed Azeem Latib, MD; Manish A. Parikh, MD; David G. Rizik, MD; Craig M. Walker, MD*

**9:30 am Top 10 Trials / Most Cited Papers - Coronary / Structural 2022 - 2023**

*David G. Rizik, MD*

**9:50 am Best Trials / Most Cited Papers / Innovation - Peripheral 2022 - 2023**

*Craig M. Walker, MD*

**10:05 am Drug-Eluting Stent (DES) Update? Is There Anything New?**

*Manish A. Parikh, MD*

**10:20 am Drug Coated Balloon: Update on US Trials and European Expertise**

*Mohamed Azeem Latib, MD*

**10:35 am Panel Discussion**

**10:45 am BREAK / VISIT EXHIBITS**

**11:00 am LIVE CASE 1 | COMPLEX BIFURCATION**

**Transmitted from Barnes - Jewish Hospital, St. Louis, MO**

**Operators:** *Howard I. Kurz, MD; Jasvinder Singh, MD; Marc A. Sintek, MD*

**Moderators:** *David A. Cox, MD; Goran Stankovic, MD*

**Panelists:** *John M. Lasala, MD, PhD; Mohamed Azeem Latib, MD; Yves R. Louvard, MD;*

*Manish A. Parikh, MD*

**11:45 am Panel Discussion**

**11:55 am Q&A**

**12:00 pm LUNCH / VISIT EXHIBITS**

#### SESSION II | INTERVENTIONAL HEART FAILURE / SHOCK SESSION

**Moderators:** *Justin Marinus Vader, MD; Amanda K. Verma, MD*

**Panelists:** *Georges Chahoud, MD; Gregory A. Ewald, MD; Douglas Horstmanshof, MD; Amit Pawale, MBBS*

**1:00 pm Advance Heart Failure Therapies: Update**

*Douglas Horstmanshof, MD*

**1:15 pm State-of-the-Art Temporary Mechanical Circulatory Support (MCS)**

*Amit Pawale, MBBS*

**1:30 pm Ischemic Cardiomyopathy and Heart Failure: Revival Trial & Beyond**

Gregory A. Ewald, MD

1:45 pm **Novel Device Therapies for Heart Failure (CCM/Barostim™, etc.)**

*Georges Chahoud, MD*

2:05 pm **LIVE CASE 2 | Ischemic Cardiomyopathy / Mechanical Circulatory Support**

**Transmitted From: TBD**

**Operators: TBD**

**Moderators: John M. Lasala, MD, PhD; Ahmed Magdy, MD, PhD**

**Panelists: Georges Chahoud, MD; Gregory A. Ewald, MD; Amit Pawale, MBBS; Justin Marinus Vader, MD**

2:50 pm **BREAK / VISIT EXHIBITS**

### SESSION III | STRUCTURAL HEART DISEASE I

**Moderators: John M. Lasala, MD, PhD; Alan Zajarias, MD**

3:05 pm **WELCOME AND INTRODUCTION**

*John M. Lasala, MD, PhD*

3:10 pm **KEYNOTE LECTURE III | Present and Future State-of-the-Art Structural Heart Disease**

*David G. Rizik, MD*

3:40 pm **Advanced Imaging for Lifetime Management of Aortic Stenosis**

*Sujith Kalathiveetil, MD*

3:55 pm **Live Case 3 | LACC with 4D-ICE**

**Transmitted From: Wake Forest University School of Medicine, Winston-Salem, NC**

**Operator: Jonathan G. Schwartz, MD**

**Moderators: David G. Rizik, MD; Alan Zajarias, MD**

**Panelists: Bryan Cogar, MD; Kishore Harjai, MD; John M. Lasala, MD, PhD; Tsuyoshi Kaneko, MD-**

4:40 pm **Live Case 4 | Structural Complex Valve**

**Transmitted From: Barnes - Jewish Hospital, St. Louis, MO**

**Operators: Marc A. Sintek, MD; Puja Kachroo, MD; Samuel Lindner, MD**

**Moderators: David G. Rizik, MD; Alan Zajarias, MD**

**Panelists: Ralph J. Damiano, Jr., MD; Kishore Harjai, MD; John M. Lasala, MD, PhD;**

*Tsuyoshi Kaneko, MD*

5:15 pm **BREAK / VISIT EXHIBITS**

### SPECIAL SESSION | Coronary Artery Disease Management in TAVR World

**Moderators: Tsuyoshi Kaneko, MD; Alan Zajarias, MD**

**Panelists: Sudeshna Banerjee, MD; Kishore Harjai, MD; John M. Lasala, MD, PhD; Marc A. Sintek, MD**

5:30 pm **Coronary Physiology is Aortic Stenosis**

*Samuel Lindner, MD*

5:45 pm **Patient Management Debate | 80-Year-Old with Aortic Stenosis (AS): Do We Evaluate and Treat?**

Pro: *Michael Daniel, MD*

Con: *Matthew J. Chung, MD*

6:15 pm **Closing Remarks**

*Alan Zajarias, MD*



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### Imaging & Physiology Symposium\*

*Supported by Philips*

**6:30 pm Welcome Cocktail Reception**

*Exhibit Hall*

**7:00 pm Welcome & Introduction**

*Prashanth D. Thakker, MD*

#### **CASE REVIEWS**

**Moderators:** *Sukhjinder S. Nijjer, BSc, MBChB, PhD; Prashanth D. Thakker, MD*

**Panelists:** *Karim Al-Azizi, MD; Stuart T. Higano, MD; Muhammed Khan, MD; Jimmy L. Kerrigan, MD; Mark A. Sintek, MD; Rayji Tsutsui, MD*

**7:05 pm Coronary Physiology Update**

*Sukhjinder S. Nijjer, BSc, MBChB, PhD*

**7:15 pm Update on CT-FFR**

*George S. Chrysant, MD*

**7:25 pm Imaging Update**

*Marc A. Sintek, MD*

**7:35 pm Case Illustrating Co-registration (Precision PCI)**

*Jimmy L. Kerrigan, MD*

**7:45 pm Angio Devised FFR / QFR**

*Karim Al-Azizi, MD*

**7:55 pm MINOCA / INOCA Microcirculatory Assessment and Treatment**

*Prashanth D. Thakker, MD*

**8:05 pm Case Review 1**

*Stuart T. Higano, MD*

**8:15 pm Case Review 2**

*Karim Al-Azizi, MD*

**8:25 pm Closing Remarks**

*\*Not approved for CME Credits*



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THURSDAY, APRIL 13, 2023

**7:30 am REGISTRATION / CONTINENTAL BREAKFAST**

*Ballroom Prefunction, Lobby Level*

**8:00 am WELCOME AND INTRODUCTION**

*Sumanth D. Prabhu, MD*

**8:05 am KEYNOTE LECTURE IV | One Interventionalists Path from 1978 - Today**

*John B. Simpson, MD*

**8:45 am KEYNOTE LECTURE V | A Rally Cry for Health Equality**

*Samuel Conaway, MBA*

**SESSION IV | General Cath Lab / Allied Health / Heart Team Professionals**

**Moderators:** *David A. Cox, MD; Manish A. Parikh, MD*

**Panelists:** *Meghan Funk, RN; James A. Goldstein, MD; Leslie Green, RN; Ryan Madder, MD; Sumanth D. Prabhu, MD*

**9:20 am Update on Pharmacology in the Cath Lab**

*Manish A. Parikh, MD*

**9:35 am Cath Lab Emergencies: Recognition and Treatment**

*Adrian W. Messerli, MD*

**9:45 am Radiation Risk and Protection in the Cath Lab**

*James A. Goldstein, MD*

**9:55 am Robotic PCI / Telemedicine in Interventional Cardiology**

*Ryan Madder, MD*

**10:10 am Proper Access Techniques and Managing Complications**

*S. Jay Mathews, MD*

**10:20 am PCI vs. CABG in MVD**

*David A. Cox, MD*

**10:30 am BREAK / VISIT EXHIBITS**

**10:45 am Live Case #5 | Complex Coronary Left Main**

**Transmitted from Barnes - Jewish Hospital, St. Louis, MO**

**Operators:** *Marc A. Sintek, MD; Prashanth D. Thakker, MD; Jasvinder Singh, MD*

**Moderators:** *Yves R. Louvard, MD; John M. Lasala, MD, PhD*

**Panelists:** *Darshan Doshi, MD; Edward Coverstone, MD; Saroj Neupane, MD; Goran Stankovic, MD, PhD*

**SESSION V | COMPLEX CORONARY: LEFT MAIN SESSION**

**Moderators:** *John M. Lasala, MD, PhD; Yves R. Louvard, MD*

**Panelists:** *Edward Coverstone, MD; Darshan Doshi, MD; Paul M. Lavigne, MD; Goran Stankovic, MD, PhD*

**11:30 am Left Main: Current Data in PCI vs. CABG & Provisional vs. Two Stent**

*Darshan Doshi, MD*

**11:40 am Role of Imaging in Left Main**

*Edward Coverstone, MD*

**11:50 am Case-Based State-of-the-Art Approach**

*Jonathan Wolfe, MD*

**12:00 pm Role and Rationale of MCS: Mechanical Circulatory Support in Left Main PCI**

*Paul M. Lavigne, MD*

**12:10 pm Q&A**

**12:15 pm LUNCH / VISIT EXHIBITS**



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### SESSION VI | STRUCTURAL HEART DISEASE II

(Main Ballroom)

**Moderators:** Ralph J. Damiano, Jr., MD; Molly Szerlip, MD

**Panelists:** Nishath Quader, MD; John M. Lasala, MD, PhD;

Bryan D. Cogar, MD; Jeffrey M. Sparling, MD

**1:00 pm State-of-the-Art Imaging for Structural Procedures (4D ICE, TEE, CT)**

*Sujith Kalathiveetil, MD*

**1:15 pm Tricuspid Valve Regurgitation: Natural History and Novel Therapies**

*Tsuyoshi Kaneko, MD*

**1:30 pm Update on Transcatheter Mitral Valve Repair**

*John M. Lasala, MD, PhD*

**1:40 pm Building a Robust Left Atrial Appendage Closure (LAAC) Program**

*Bryan D. Cogar, MD*

**1:50 pm TAVR in Aortic Regurgitation**

*Jeffrey M. Sparling, MD*

**2:00 pm Preoperative Simulation / 3D Modeling in Structural Heart Disease**

*Lakshmi Dasi, MD*

**2:10 pm Neuromonitoring During TAVR**

*Jonathan K. Zoller, MD*

**2:20 pm Panel Discussion / Q&A**

### BREAKOUT SESSION - PERIPHERAL I THROMBUS MANAGEMENT (Amphitheater, 2<sup>nd</sup> Floor)

**Moderators:** George S. Chrysant, MD; S. Jay Mathews, MD

**Panelists:** Kenneth Rosenfield, MD; Anish J. Thomas, MD

**1:00 pm Acute Limb Ischemia**

*S. Jay Mathews, MD*

**1:15 pm Acute DVT Management**

*Srini Tummala, MD*

**1:30 pm Hemodynamics Support in PE**

*Ann Gage, MD*

**1:40 pm VTE Case-Based Discussion**

*Case 1 - S. Jay Mathews, MD*

*Case 2- George S. Chrysant, MD*

**1:50 pm The PERT Concept and the Role of Artificial Intelligence**

*Kenneth Rosenfield, MD*

**2:00 pm Panel Discussion / Q&A**

*(Return to ARCH General Session)*

**2:30 pm BREAK / VISIT EXHIBITS**

### SESSION VII | COMPLEX CORONARY: LESION PREP and CALCIUM MODIFICATION TECHNIQUES

**Moderators:** Alpesh Shah, MD; Arthur B. Reitman, MD

**Panelists:** Christian McNeely, MD; Marc A. Sintek, MD; Prashanth D. Thakker, MD; Rayji Tsutsui, MD

**2:45 pm Decision Tree: Specialty Balloons vs. Atherectomy vs. Intravascular Lithotripsy**

*Alpesh Shah, MD*

**2:55 pm Use of Imaging in Calcified / Fibrotic Lesions**

*Marc Sintek, MD*

**3:05 pm Overview of Rotational Atherectomy: Tips & Tricks**

*Arthur B. Reitman, MD*

**3:15 pm Overview of Orbital Atherectomy: Tips & Tricks**

*Christian McNeely, MD*

**3:25 pm Where does IVL (Intravascular Lithotripsy) Fit In?**

*Rayji Tsutsui, MD*

**3:35 pm Use of Laser Atherectomy - Cased Base Review**

*Prashanth D. Thakker, MD*

**3:45 pm Panel Discussion / Q&A**

### SESSION VIII: LESION SUBSET: BIFURCATION

**Moderators:** Yves R. Louvard, MD; Goran Stankovic, MD, PhD



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**3:50 pm Overview of Decision Tree and Techniques**

*Yves R. Louvard, MD*

**4:05 pm Case Presentations (Complex Bifurcation)**

*Casey Sullivan, MD*

### SESSION IX: Patient Subset: Acute Coronary

**Syndrome (ACS) (Main Ballroom)**

**Moderators:** Richard Bach, MD; Kishore Harjai, MD

**Panelists:** Bria Giacomino, MD; S. Jay Mathews, MD;

Nilesh Patel, MD; Alpesh Shah, MD

**4:15 pm Update on Pharmacology (ACS-STEMI, NSTEMI)**

*Richard Bach, MD*

**4:25 pm Do We Still Need Aspiration Thrombectomy?**

*S. Jay Mathews, MD*

**4:35 pm PCI of Non-Culprit Vessel: Update on Complete Revascularization**

*Alpesh Shah, MD*

### SESSION X: Patient Subset: High Bleeding Risk (HBR) and Acute Kidney Injury (AKI)

**Moderators:** Jimmy L. Kerrigan, MD; Ryan Madder, MD

**Panelists:** Stilianos Efstratiadis, MD; Mark Gdowski, MD;

Saroj Neupane, MD; Manish Parikh, MD

**4:45 pm State-of-the-Art: Ultra Low Contrast PCI**

*Jimmy L. Kerrigan, MD*

**5:00 pm High Bleeding Risk Patient: Who and How to Modify PCI**

*Saroj Neupane, MD*

**5:15 pm Panel Discussion**

**5:20 pm Closing Remarks**

### BREAKOUT SESSION - HYPERTENSION / ADULT CONGENITAL / PFO (Amphitheater, 2nd Floor)

**Moderators:** George S. Chrysant, MD; C. Huie Lin, MD

**Panelists:** David Balzer, MD; John M. Lasala, MD, PhD, Samuel Lindner, MD; Jasvinder Singh, MD

#### A. Hypertension Treatment Today

**4:15 pm Overview of Current Guidelines and Latest Update of SPYRAL HTN and RADIANCE HTN Solo/Trio Trials**

*George S. Chrysant, MD*

**4:35 pm Where Will Renal Denervation (RDN) Fit In?**

*Jasvinder Singh, MD*

**4:45 pm Panel Discussion / Q&A**

#### B. Adult Congenital

**4:50 pm Percutaneous Treatment of Adult Congenital Heart Disease (ACHD)**

*C. Huie Lin, MD*

**5:10 pm Case Presentation**

*David Balzer, MD*

#### C. PFO Closure in Cryptogenic Stroke

**5:20 pm Overview of Current Literature and Status**

*John M. Lasala, MD, PhD*

**5:30 pm Case Presentations**

*Samuel Lindner, MD*

**5:40 pm Closing Remarks**



## ADVANCED REVASCULARIZATION CHAPTER XVI

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FRIDAY, APRIL 14, 2023

**7:30 am REGISTRATION / CONTINENTAL BREAKFAST**

*Ballroom Prefunction, Lobby Level*

**8:00 am WELCOME AND INTRODUCTION**

*Jasvinder Singh, MD*

**8:05 am KEYNOTE LECTURE V: The Future of Cardiac Imaging**

*Bert van Meurs*

**8:40 am KEYNOTE LECTURE VI: “The Story of Coronary Stents”**

*Richard Schatz, MD*

**9:15 am Panel Discussion / Q&A**

### SESSION XI | LIVE CASE SESSION

**9:20 am Live Case 6 | COMPLEX CORONARY (CALCIUM)**

**Transmitted From: France**

**Operators: TBD**

**Moderators: David G. Rizik, MD; Ahmed Magdy, MD, PhD**

**Panelists: Corey Foster, MD; Alpesh Patel, MD; Nilesh Patel, MD; Richard Schatz, MD**

**10:05 am Live Case 6 | IMAGING & PHYSIOLOGY**

**Transmitted From: Belgium**

**Operator: Carlos Collet Bortone, MD, PhD**

**Moderators: George Chrysant, MD; Sukhjinder S. Nijjer, BSc, MBChB, PhD;**

**Panelists: S. Jay Mathews, MD; Bert van Meurs; Marc A. MD; Jimmy L. Kerrigan, MD; Chien Jung Lin, MD, PhD**

**10:50 am BREAK / VISIT EXHIBITS**

**11:00 am LIVE CASE 8 | STRUCTURAL**

**Transmitted From: Baylor Scott and White The Heart Hospital – Plano, TX**

**Operator: Srinu Potluri, MD**

**Moderators: Molly Szerlip, MD; Alan Zajarias, MD**

**Panelists: Ralph Damiano, MD; Nathan Frogge, MD; Marc A. Sintek, MD; Jeffrey M. Sparling, MD;**

**11:45 am Cases from the Middle East: Unique Case-Based Discussion**

*Ahmed Magdy, MD, PhD*

**12:15 pm LUNCH / VISIT EXHIBITS**

*Pick-Up Lunch and Return to the Ballroom*

**12:45 pm WORKING LUNCH**

**Cardiac Interventions in Outpatient Setting: Age of Cardiac Ambulatory Surgery Centers (ASC)**

*Nirav Mehta, MD*

### SESSION XII | LIVE CASE SESSION

**1:15 pm LIVE CASE 9 |**

**Transmitted From: The Mount Sinai Hospital, New York, NY**

**Operator: Annapoorna Kini, MD**

**Moderators: Samin K. Sharma, MD; Jasvinder Singh, MD**

**Panelists: Howard I. Kurz, MD; Ahmed Magdy, MD, PhD; Alpesh Shah, MD; Molly Szerlip, MD**



# ADVANCED REVASCULARIZATION CHAPTER XVI

April 12-15, 2023

Preliminary Agenda

**2:00 pm LIVE CASE 10 |**  
**Transmitted From: The Mount Sinai Hospital, New York, NY**  
**Operator:** Prakash Krishnan, MD  
**Moderator:** George S. Chrysant, MD; S. Jay Mathews, MD  
**Panelists:** Eric J. Dippel, MD; Asma Khaliq, MD; Jihad Mustapha, MD; Anish J. Thomas, MD

**2:45 pm BREAK / VISIT EXHIBITS**

**SESSION XIII | PERIPHERAL – ILIOFEMORAL AND BELOW-THE-KNEE INTERVENTION (Main Ballroom)**      **BREAKOUT SESSION | CORONARY COMPLICATION SESSION (Amphitheater, 2<sup>nd</sup> Floor)**

**Moderators:** George S. Chrysant, MD; Anish J. Thomas, MD      **Moderators:** John M. Lasala, MD, PhD; Samin K. Sharma, MD  
**Panelists:** Eric J. Dippel, MD; Srinu Tummala, MD; Craig M. Walker, MD

<b>3:00 pm</b>	<b>What is the Future in Drug Eluting Therapies?</b> <i>Eric J. Dippel, MD</i>	<b>3:00 pm</b>	<b>Case 1</b> <i>Manny Rivera Maza, MD</i>
<b>3:15 pm</b>	<b>Calcium Management Strategies: Case Based Panel Discussion</b> <ul style="list-style-type: none"> <li>• <b>Case 1</b> – Anish J. Thomas, MD</li> <li>• <b>Case 2</b> – Asma Khaliq, MD</li> <li>• <b>Case 3</b> – Vishal Kapur, MD</li> </ul>	<b>3:10 pm</b>	<b>Case 2</b> <i>Casey Sullivan, MD</i>
<b>3:45 pm</b>	<b>Imaging in Peripheral Arterial Disease: The Role of IVUS</b> <i>Jihad Mustapha, MD</i>	<b>3:20 pm</b>	<b>Case 3</b> <i>Chien Jung Lin, MD</i>
<b>3:55 pm</b>	<b>Debate: What is the BEST Way to Treat CLI?</b> <ul style="list-style-type: none"> <li>• <b>Pro:</b> Patrick J. Geraghty, MD</li> <li>• <b>Con:</b> Craig M. Walker, MD</li> </ul>	<b>3:30 pm</b>	<b>Case 4</b> <i>Robert Shapiro, MD</i>
<b>4:15 pm</b>	<b>Q&amp;A</b>	<b>3:40 pm</b>	<b>Managing Perforations</b> <i>Gus Theodos, MD</i>
		<b>3:50 pm</b>	<b>Panel Discussion</b> <i>(Return to ARCH General Session)</i>

**SESSION XIV | CTO**

**4:20 pm LIVE CASE 11 | CTO**  
**Transmitted from Edward Hospital, Naperville, IL**  
**Operators:** Mark J. Goodwin, MD; Tony J. DeMartini, MD  
**Moderators:** Sudeshna Banerjee, MD; John M. Lasala, MD, PhD  
**Panelists:** Darshan Doshi, MD; Srinu Potluri, MD; Marc A. Sintek, MD; Gus Theodos, MD

**Moderator:** Sudeshna Banerjee, MD; Kathleen Kearny, MD  
**Panelists:** Darshan Doshi, MD; Jimmy L. Kerrigan, MD; John M. Lasala, MD, PhD; Gus Theodos, MD; Saroj Neupane, MD;

**5:00 pm Basic Techniques, New Wires and Double Lumen Catheters**  
*Darshan Doshi, MD*

**5:10 pm Use of Imaging in CTO**  
*Jimmy L. Kerrigan, MD*

**5:20 pm Advanced Antegrade Techniques**  
*Gus Theodos, MD*





## ADVANCED REVASCLARIZATION CHAPTER XVI

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*Preliminary Agenda*

- 5:30 pm**    **Advanced Retrograde Techniques**  
*Tony J. DeMartini, MD*
- 5:40 pm**    **Case Illustrating Imaging Guided Antegrade Re-Entry (ADR)**  
*Kathleen Kearny, MD*
- 5:50 pm**    **Day 2 Closing Remarks**  
*Sudeshna Banerjee, MD*

### SPECIAL SESSION | WOMEN IN INTERVENTIONAL CARDIOLOGY

- 6:00 pm**    **COCKTAIL RECEPTION**  
*Solarium, Level 2*
- 6:30 pm**    **Women in Cardiology: A Discussion with Leaders from the Cath Lab, Business World & Beyond**  
*Sudeshna Banerjee, MD; Christy Brown; Megan Funk, RN; Bria Giacomino, MD; Leslie Green, RN; Alexandra Johnson; Kathleen Kearny, MD; Amy McCoskey; Molly Szerlip, MD*