



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, PhD*

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 Advanced 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 | LAAC WITH 3D ICE

Transmitted from Wake Forest University School of Medicine, Winston-Salem, NC

Operator: Jonathan G. Schwartz, MD

Moderators: Srini Potluri, MD; Alan Zajarias, MD;

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

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; Tsuyoshi Kaneko, MD; John M. Lasala, MD, PhD;

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; Srini Potluri, MD;

5:30 pm Coronary Physiology in 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: *Stuart T. Higano, MD; Jimmy L. Kerrigan, MD; Muhammad F. Khan, MD; Marc A. Sintek, MD; Rayji S. 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

Rayji S. Tsutsui, MD

7:55 pm MINOCA / INOCA Microcirculatory Assessment and Treatment

Sanah Christopher, MD

8:05 pm Case Review 1

Stuart T. Higano, MD

8:15 pm Case Review 2

Prashanth D. Thakker, 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

Moderators: *Jasvinder Singh, MD; Sumanth D. Prabhu, MD*

Panelists: *Samuel Conaway, MBA; David A. Cox, MD; John B. Simpson, MD; Angelleen Peters Lewis, PhD, RN*

8:05 am KEYNOTE LECTURE IV | One Interventionalist's 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, BSN, MSN, NP-C; James A. Goldstein, MD; Leslie Green, BSN; Angelleen Peters Lewis, PhD, RN; 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 D. 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: *Jasvinder Singh, MD; Marc A. Sintek, MD; Prashanth D. Thakker, MD*

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

Panelists: *Edward Coverstone, MD; Darshan Doshi, 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



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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

SESSION VI | STRUCTURAL HEART DISEASE II

(Main Ballroom)

Moderators: *Ralph J. Damiano, Jr., MD; John M. Lasala, MD, PhD*

Panelists: *Samer Abbas, MD; Bryan D. Cogar, MD; Nishath Quader, MD; Jeffrey M. Sparling, MD*

BREAKOUT SESSION - PERIPHERAL I THROMBUS MANAGEMENT

(Amphitheater, 2nd Floor)

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

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

2:10 pm Neuromonitoring During TAVR

Jonathan K. Zoller, MD

2:20 pm Panel Discussion / Q&A

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

Panelists: *Samer Abbas, MD; Christian McNeely, MD; Marc A. Sintek, MD; Rayji S. 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 A. 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 S. Tsutsui, MD



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3:35 pm Use of Laser Atherectomy – Case-Based 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*

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 G. Bach, MD; Kishore Harjai, MD*

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

Nilesh Patel, MD; Alpesh Shah, MD

BREAKOUT SESSION - HYPERTENSION / ADULT

CONGENITAL / PFO (Amphitheater, 2nd Floor)

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

Panelists: *David T. Balzer, MD; John M. Lasala, MD, PhD;*

Samuel Lindner, MD; Jasvinder Singh, MD

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

Richard G. 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 D. Madder, MD*

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

Saroj Neupane, MD; Manish A. 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

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. Chrysan, 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, PhD

5:10 pm Case Presentation

David T. 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



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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 VI | The Future of Cardiac Imaging

Bert van Meurs

8:40 am KEYNOTE LECTURE VII | “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 ICPS at Institut Hospitalier Jacques Cartier, Massy, France

Operators: *Antoinette Neylon*

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

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

10:05 am LIVE CASE 7 | IMAGING & PHYSIOLOGY

Transmitted from Belgium

Operator: *Carlos Collet Bortone, MD, PhD*

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

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

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: *Srini Potluri, MD; Molly Szerlip, MD; Karim Al-Azizi, MD*

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

Panelists: *Ralph J. Damiano, Jr., MD; Nathan L. 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 S. Kini, MD*

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

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



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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; 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, 2nd 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

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

SESSION XIV | CTO

4:20 pm LIVE CASE 11 | CTO
Transmitted from SIH Memorial Hospital
Operator: Tony J. DeMartini, MD; Mark J. Goodwin, MD
Moderators: Sudeshna Banerjee, MD; John M. Lasala, MD, PhD
Panelists: Darshan Doshi, MD; Marc A. Sintek, MD; Gus Theodos, MD

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

5:30 pm Advanced Retrograde Techniques



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Saroj Neupane, MD

5:40 pm Case Illustrating Imaging Guided Antegrade Re-Entry (ADR)

Kathleen Kearney, MD

5:50 pm 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; Sanah Christopher, MD; Megan Funk, BSN, MSN, NP-C; Tricia Gaffney; Bria D. Giacomino, DO; Leslie Green, BSN; Alexandra Johnson; Kathleen Kearney, MD; Asma Khaliq, MD; Angelleen Peters Lewis, PhD, RN; Amy McCoskey; Nishath Quader, MD; Amanda Verma, MD