

CICT
—2017—
SAN FRANCISCO

JULY 21 - 22, 2017

FAIRMONT HOTEL

SAN FRANCISCO

11th Annual

Complex Interventional Cardiovascular Therapy

A Case-Based Workshop

DIRECTORS

Issam D. Moussa, MD, FACC, FSCAI

Joseph De Gregorio, MD, FACC, FSCAI, FACP, FCCP

CO-DIRECTORS

Antonio Colombo, MD, FACC, MSCAI

Jonathan M. Tobis, MD, FACC, FSCAI



WWW.CICTSYMPOSIUM.COM



Program Overview

The goal of the **2017 CICT Conference** is to promote high quality, efficient, patient-centered decision-making in the field of Interventional Cardiovascular Medicine. The conference content is geared towards presenting the most up-to-date evidence, case presentations, debates, and most importantly one-on-one interaction between the faculty and attendees. The content of this meeting will address a broad range of complex cardiovascular interventional topics that still present a challenge to the clinician with respect to choosing the appropriate therapy (surgery vs. catheter-based therapy) and with respect to using optimal technique to ensure the safety and efficacy of the procedure.

TARGET AUDIENCE

The 2017 CICT Conference has been designed to meet the educational needs of Interventional Cardiologists, Cardiology Fellows, along with Cath Lab Nurses and Technicians and other medical professionals who care for patients undergoing catheter-based cardiovascular interventions.

LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

- Demonstrate patient-centered evidence-based decision-making at the individual patient level.
- Acquire the skill set necessary to triage patients with complex coronary and structural heart disease to surgical vs. endovascular intervention.
- Learn cognitive and technical skills to maximize success and reduce complications in complex cardiovascular interventions.
- Identify best practices to prevent and manage complications in coronary and structural heart disease interventions.



PHYSICIAN CONTINUING EDUCATION

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 *CMEsolutions* and Gaffney Events, LLC. The *CMEsolutions* is accredited by the ACCME to provide continuing medical education for physicians.

The *CMEsolutions* designates this live activity for a maximum of 16.50 AMA PRA Category 1 Credits.[™]

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

NURSE CONTINUING EDUCATION

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credits[™] issued by organizations accredited by the ACCME. Nurses who attend an activity certified for Category 1 credit can complete the continuing education hours section of the ANCC Professional Development Record in order to document the courses attended and the hours obtained.

PROGRAM EVALUATION

Evaluation by questionnaire will address content, presentation, possible bias, and future educational needs.

DISCLOSURE OF CONFLICTS OF INTEREST

CMEsolutions requires everyone in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by *CMEsolutions* for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations.

GRANTS & EXHIBITS

The CICT Symposium will be supported through educational grants and exhibit fees from commercial supporters. The Course Directors will develop the educational content without any influence from commercial supporters. A complete list, along with appropriate acknowledgement will be given to all supporters at the time of the meeting. Exhibits will be available for viewing at all scheduled breaks.

For additional information about grants and exhibits, please contact Gaffney Events at 425.844.9019 or jennifer@gaffneyevents.com

Registration Information

CICT PRE-REGISTRATION

Pre-Registration will be open Thursday, July 20th, 6:30 p.m. - 8:00 p.m. Attendees have the opportunity to register early in the Terrace Ballroom, located on the Terrace Level of the Fairmont Hotel.

REGISTRATION FEES

The registration fee for this CME activity is \$475.00 for physicians and \$375.00 for Residents, Nurses and Technicians. Registration Fees are **waived** for Fellows in Training. The registration fee for Industry Personnel is \$450.00. Your registration fee includes attendance at the Friday and Saturday Sessions, course materials, continental breakfasts, refreshment breaks and lunches.

NOTE: Take advantage of the **Early Registration Discount!**

Full Symposium Registration will be reduced by \$75.00 if registration is received prior to **Friday, July 7, 2017.**

CANCELLATION POLICY

Cancellations will be accepted through Friday, July 21st and are subject to a \$75 administrative fee. There will be no refund of tuition for cancellations received after that date. Gaffney Events must receive written notification of your intent to cancel before the cancellation deadline. No refund of tuition will be given for no-shows.

CONFERENCE LOCATION

The Fairmont Hotel San Francisco

950 Mason Street

San Francisco, CA 94108

415.772.5000

www.fairmont.com/SanFrancisco



The Fairmont Hotel presents an awe-inspiring picture of historic San Francisco. Central to the Financial District, Union Square and Fisherman's Wharf, the Fairmont Hotel is located at the only spot in San Francisco where each of the City's cable car lines meet. The Fairmont also offers two fabulous restaurants and lounges. With a panoramic view of the City and the Bay from high atop Nob Hill, The Fairmont San Francisco holds an unmatched blend of elegance and superb service for an unforgettable stay.

A block of rooms has been reserved at The Fairmont Hotel San Francisco for attendees of the **2017 CICT Conference** at a special reduced rate of \$283.00 per night, plus tax for a Standard Fairmont King / Main Building Room, \$309.00 per night, plus tax for a Standard Fairmont Queen / Main Building Room, or \$333.00 per night, plus tax for a Deluxe King / Tower Building Room. To receive the discounted room rates, reservations must be confirmed by Wednesday, June 28, 2017. After that date, reservations will be subject to space and rate availability. When making your reservation, please be sure to mention that you will be attending the **CICT Cardiology Conference**.

You may also book your room reservation online by visiting our conference website at www.CICTSymposium.com

The Fairmont Hotel is located 30 minutes from San Francisco International Airport (SFO). Taxi service is available for approximately \$65 (one-way). Overnight parking at the Fairmont Hotel is available at \$67.00 per 24 hours.

Faculty

DIRECTORS

Issam D. Moussa, MD, FACC, FSCAI
Professor of Medicine & Clinical Chief of Cardiology
Rutgers Robert Wood Johnson Medical School
Chief of Cardiology
Robert Wood Johnson University Hospital
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INVITED FACULTY

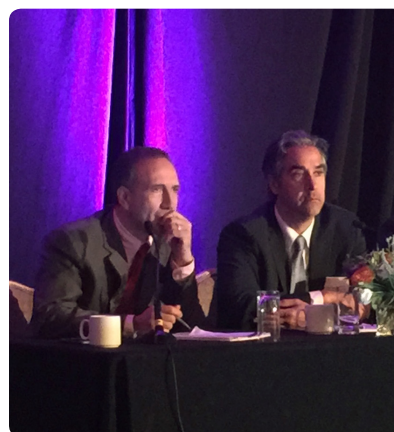
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Interventional Cardiologist
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Scientific Program Agenda

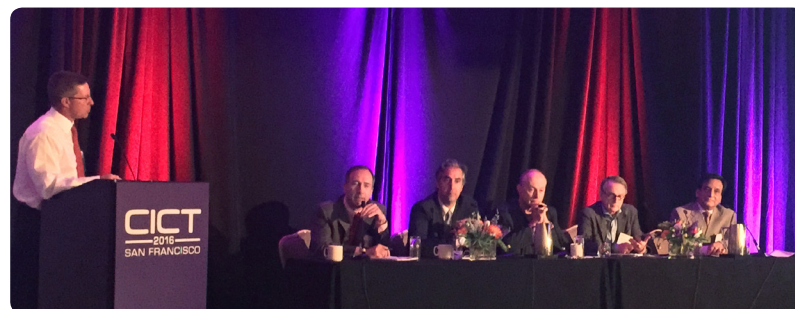
THURSDAY, JULY 20

6:30 pm **Pre-Registration**
Terrace Ballroom, Terrace Level

FRIDAY, JULY 21

7:00 am **REGISTRATION**
Fairmont Hotel, Terrace Ballroom, Terrace Level

7:25 am **WELCOME AND INTRODUCTION**
Joseph De Gregorio, MD and Issam D. Moussa, MD



7:30 - 8:30 am **BREAKFAST SYMPOSIUM - Supported by Abbott**

BIODEGRADABLE VASCULAR SCAFFOLDS: FROM CLINICAL TRIALS TO THE BEDSIDE

Panelists: *Cindy L. Grines, MD, Habib Samady, MD, Ron Waksman, MD*

7:30 am **Biodegradable Vascular Scaffolds: Making Sense of the Evidence!**
Lecture *Chuck Simonton, MD*

7:45 am **Biodegradable Vascular Scaffolds: When and How to Use... When Not to Use!**
Case-Based Presentation *Antonio Colombo, MD*

8:15 am **Q&A**

8:30 am **KEYNOTE LECTURE:**
The (Bumpy) Road to Innovation in Cardiovascular Care? A Perspective from the American College of Cardiology
John M. Rumsfeld, MD

COMPLEX CORONARY INTERVENTIONS WORKSHOP

Moderators: *Antonio Colombo, MD, Joseph De Gregorio, MD, Issam D. Moussa, MD*

UNPROTECTED LEFT MAIN CORONARY ARTERY PCI

Panelists: *George P. Batsides, MD, Malcom R. Bell, MD, Varinder P. Singh, MD*

8:45 am **Unprotected LMCA PCI: Should we EXCEL or be NOBLE!**
Lecture *Malcolm R. Bell, MD*

9:00 am **Complex Unprotected LMCA PCI**
Case-Based Presentation *Antonio Colombo, MD*

9:15 am **Q&A**

CHRONIC TOTAL OCCLUSIONS (CTOs)

Panelists: *Emmanouil Brilakis, MD, PhD, Michael C. Kim, MD, Roxana Mehran, MD*

9:30 am **CTO PCI: Is it Time for a Robust RCT!**
Lecture *Jennifer A. Tremmel, MD*

9:45 am **How to Traverse Trans-Septal Collaterals: Tools and Techniques, Successes and Failures**
Case-Based Presentation *Emmanouil Brilakis, MD, PhD*

10:00 am **Complex CTO PCI**
Case-Based Presentation *Emmanouil Brilakis, MD, PhD*

10:15 am **Q&A**

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

CORONARY ATHERECTOMY IN SEVERELY CALCIFIED LESIONS

Panelists: *Maurice Buchbinder, MD, Jorge F. Saucedo, MD, Richard A. Shlofmitz, MD*

10:45 am **Rotational Atherectomy of Severely Calcified Ostial Stenosis: Successes and Failures**
Case-Based Presentation *Maurice Buchbinder, MD*

Scientific Program Agenda

11:00 am **Orbital Atherectomy in Tortuous and Distal Severely Calcified Coronary Lesions: Successes and Failures**
Case-Based Presentation Richard A. Shlofmitz, MD

11:15 am **Coronary Laser Atherectomy: A Bailout or a Primary Modality?**
Case-Based Presentation Joseph De Gregorio, MD

11:30 am **Q&A**

12:00 - 1:00 pm **LUNCH / CHIP SYMPOSIUM - Supported by Abiomed & Boston Scientific**

Panelists: George P. Batsides, MD, John M. Lasala, MD, PhD, Issam D. Moussa, MD

CASE PRESENTATIONS

12:00 pm **Protected PCI in a Patient with Severely Calcified CAD**
George Dargas, MD, PhD

12:15 pm **Protected PCI in a Patient with Unprotected LMCA Disease**
Ehtisham Mahmud, MD

12:30 pm **Protected PCI in a Patient with CTO**
Emmanouil Brilakis, MD, PhD

12:45 pm **Protected PCI in a Patient with Left Main and 3 Vessel, Low LVEF and Severe Aortic Stenosis**
Issam D. Moussa, MD

THE FUTURE OF CORONARY IMAGING & PHYSIOLOGIC ASSESSMENT

Panelists: Ehtisham Mahmud, MD, Jonathan M. Tobis, MD, Giora Weisz, MD

1:00 pm **CT-FFR: Will This Technology Replace Stress Testing and Invasive Physiologic Assessment?**
Lecture Campbell Rogers, MD

1:15 pm **IFR: Should it Replace FFR for Invasive Physiologic Assessment?**
Lecture Habib Samady, MD

1:30 pm **Intracoronary Imaging (IVUS & OCT): What is the Added Value in 2017?**
Case-Based Presentation Antonio Colombo, MD

1:45 pm **Q&A**

2:00 pm **BREAK / VISIT EXHIBITS**

INTERVENTIONAL CONTROVERSIES IN 2017

Panelists: Cindy L. Grines, MD, Verghese Mathew, MD, Bernhard Reimers, MD

DEBATE: Does DES Choice Impact Duration of Antiplatelet Therapy?

2:15 pm **NO**
Roxana Mehran, MD

2:25 pm **YES**
John M. Lasala, MD, PhD

2:35 pm **Q&A**

DEBATE: Does Intracoronary Brachytherapy Have a Role for DES Restenosis?

2:45 pm **NO**
Antonio Colombo, MD

2:55 pm **YES**
Ron Waksman, MD

3:05 pm **Q&A**

PCI COMPLICATIONS WORKSHOP

Why Did It Happen? How You've Managed It? What Did You Learn?

Moderators: Steven L. Goldberg, MD, Richard A. Shlofmitz, MD, Varinder P. Singh, MD

3:15 pm **Cases**

5:00 pm **CONCLUDING REMARKS / ADJOURN**

Scientific Program Agenda

SATURDAY, JULY 22

7:00 - 8:00 am **REGISTRATION / BREAKFAST SYMPOSIUM*** - Supported by CSI
Terrace Ballroom, Terrace Level

CORONARY ORBITAL ATHERECTOMY WORKSHOP

Moderators: Richard A. Shlofmitz, MD, Ramzan M. Zakir, MD

7:00 am Hands-On Case Reviews with the Experts

CATHETER-BASED VALVULAR AND STRUCTURAL INTERVENTIONS

Moderators: Joseph De Gregorio, MD, Antonio Colombo, MD, Issam D. Moussa, MD

TRANSCATHETER AORTIC VALVE REPLACEMENT: EVIDENCE & TECHNOLOGY UPDATE

Panelists: Maurice Buchbinder, MD, Reginald Low, MD, Ron Waksman, MD

8:00 am The Edwards SAPIEN 3 Valve
Lecture Anita Asgar, MD

8:10 am The CoreValve EVOLUT R
Lecture Steven J. Yakubov, MD

8:20 am The Lotus Valve
Lecture Raj Makkar, MD

8:30 am Is it Ethical to Perform SAVR in Intermediate Risk Patients?
Lecture Mark J. Russo, MD

8:40 am Q&A

TAVR IN COMPLEX PATIENT SUBSETS

Panelists: Adam B. Greenbaum, MD, Raj Makkar, MD, Steven J. Yakubov, MD

SEVERE ANNULUS / LVOT CALCIUM

8:50 am The EVOLUT R Valve
Case-Based Presentation Steven J. Yakubov, MD

9:00 am The Edwards SAPIEN 3 Valve
Case-Based Presentation Raj Makkar, MD

9:10 am Q&A

VALVE-IN-VALVE

9:20 am Structural and Fluoroscopic Profile of Surgical Bioprosthetic Valves
Case-Based Presentation Mark J. Russo, MD

9:30 am How to Properly Size the TAVR Prosthesis
Case-Based Presentation Hasan Jilaihawi, MD

DEBATE

9:40 am The EVOLUT R Valve is the Best Choice
Case-Based Presentation Steven J. Yakubov, MD

9:50 am The XT / S3 Valve is the Best Choice
Case-Based Presentation Antonio Colombo, MD

10:00 am Q&A

10:15 am BREAK / VISIT EXHIBITS

CONTROVERSIAL TOPICS IN TAVR

Panelists: Anita Asgar, MD, Robert M. Bersin, MD, Hasan Jilaihawi, MD

10:30 am Which Patients Need Coronary Protection in 2017?
Case-Based Presentation Raj Makkar, MD

10:45 am Leaflet Thrombosis in TAVR vs. SAVR: Are We Looking Too Close or is it Real?
Case-Based Presentation Raj Makkar, MD

Scientific Program Agenda

11:00 am	Cerebral Protection: Selective or Universal Use? <i>Case-Based Presentation</i> Anita Asgar, MD
11:15 am	Trans Femoral Access: Is the Cross Over Technique Still Necessary? How Aggressive Should We Be in Severe Iliac Disease? <i>Case-Based Presentation</i> Michael Wilderman, MD
11:30 am	When Trans-Femoral Access is Not Feasible, What is the Best Alternative? Aortic, Subclavian, Carotid, Transcaval or Apical? <i>Case-Based Presentation</i> Adam B. Greenbaum, MD
11:45 am	Q&A
12:00 pm	LUNCH / VISIT EXHIBITS

LEFT ATRIAL APPENDAGE (LAA) CLOSURE: THE WATCHMAN DEVICE

Panelists: Ramon Quesada, MD, Adam B. Greenbaum, MD, John M. Lasala, MD, PhD

1:00 pm	What is the Best Sizing Strategy? Echo, Angiography or CTA? <i>Case-Based Presentation</i> Ramon Quesada, MD
1:15 pm	Tailoring Implantation Technique to LAA Anatomy <i>Case-Based Presentation</i> Ramon Quesada, MD
1:30 pm	Round Table Panel Discussion / Q&A

CATHETER-BASED MITRAL VALVE REPAIR / REPLACEMENT

Panelists: Maurice Buchbinder, MD, Steven L. Goldberg, MD, Jonathan M. Tobis, MD

CASE STUDIES

1:45 pm	The MitraClip: The Top 10 Tips to Increase Success <i>Case-Based Presentation</i> Ramon Quesada, MD
2:00 pm	TMVR Therapy – Valve-in-Valve: Patient Selection, Device Sizing, and Deployment Technique <i>Case-Based Presentation</i> Hasan Jilaihawi, MD
2:15 pm	Emerging Transcatheter Mitral Valve Replacement Technology <i>Case-Based Presentation</i> Maurice Buchbinder, MD
2:30 pm	Coronary Sinus-Based Devices: Data and Technique Update <i>Case-Based Presentation</i> Steven L. Goldberg, MD
2:45 pm	Emerging Transcatheter Tricuspid Valve Repair Technologies <i>Case-Based Presentation</i> Antonio Colombo, MD
3:00 pm	Round Table Panel Discussion / Q&A
3:15 pm	BREAK / VISIT EXHIBITS

STRUCTURAL HEART DISEASE (SHD) INTERVENTIONS

Panelists: John M. Lasala, MD, PhD, Reginald Low, MD, Jonathan M. Tobis, MD

CASE STUDIES

3:30 pm	Mitral Paravalvular Leaks: An A-Z Guide to Transcatheter Closure John M. Lasala, MD, PhD
3:45 pm	PFO Closure for Cryptogenic Stroke: Evolving Evidence and Technology Ramon Quesada, MD
4:00 pm	Q&A

SHD INTERVENTIONS COMPLICATIONS WORKSHOP

Why Did It Happen? How You've Managed It? What Did We Learn?

Moderators: TBD

4:15 pm	Cases
5:15 pm	CLOSING REMARKS / CONFERENCE ADJOURNMENT

Supporters

The **CICT Conference** is being funded in part through educational grants and exhibit fees from medical device and pharmaceutical industries. The following is a preliminary list of supporters and exhibitors for the 2017 conference. We appreciate their participation in this conference and their support of continuing medical education. A complete list of contributors and appropriate acknowledgement will be given to all supporters in the course syllabus.

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Fellows Sponsorship Opportunity

CICT 2017 (Complex Interventional Cardiovascular Therapy) will provide partial sponsorship to fellows in the areas of Interventional Cardiology, Interventional Radiology and Vascular Surgery. Selected Fellows will attend CICT 2017, where they will be introduced to a broad range of interventional cardiovascular topics, including complex coronary interventions, interventional salvage of critical limb ischemia, and catheter-based interventions for valvular and structural heart disease. Fellows will have the opportunity for Interventional Cardiology Fellows to share and discuss a challenging case with faculty experts from around the world. The program committee will select 12 cases for presentation and discussion. These cases can be coronary, peripheral, or structural intervention, successful or unsuccessful. Presenters of selected cases will be added to the faculty list.

APPLY NOW! Registration is limited and on a first-come, first-served basis. Approved Fellows will be notified by Gaffney Events with scholarship information and instructions on arranging travel and hotel accommodations.

Applications must be received electronically on www.cictsymposium.com

Destination San Francisco

www.sanfrancisco.travel

Welcome to beautiful San Francisco!

San Francisco is a city rich in history, culture and art. July is a perfect time to visit this bustling city. The temperatures are mild and the famous fog has lifted. Whether sightseeing by cable car, shopping, or dining, San Francisco has it all!



GOLDEN GATE BRIDGE

<http://goldengatebridge.org>

This iconic San Francisco site is one of the world's most beautiful bridges, and one of the most popular destinations in the world. Take advantage of the spectacular views of San Francisco by walking or biking across this famous bridge. The journey is approximately 3 miles round trip.

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Registration

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Register Prior to July 7, 2017

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CICT Registration Fees:

Prior to 7/7/2017

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☐ Physician	\$400	\$475
☐ Fellow	\$0	\$0
☐ Nurse / PA / Technician / Resident	\$300	\$375
☐ Industry Representative	\$375	\$450

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