



**Beirut Valves**

## **1<sup>st</sup> Structural Heart Summit**

September 22-23, 2023



**AMERICAN  
UNIVERSITY OF BEIRUT  
MEDICAL CENTER**

المركز الطبي في الجامعة الأميركية في بيروت

**Healthcare Professional Development Center**

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This event is approved for **AMA PRA Category 1 Credit™**.



# General Information

## Program Overview

Beirut Valves is a 2-day course dedicated to transcatheter therapies for structural heart disease. This course is a multi-faceted course meant to provide cardiologists, including general, interventional and imaging cardiologists, with a review on valve disorders and structural anomalies of the heart. The course format will include demonstration of cases in addition to live procedures to be followed by didactic lectures featuring international top-notch speakers.

## Learning Objectives

By the end of the symposium, participants will be able to:

- Promote awareness, advance knowledge on transcatheter heart therapies
- Innovate to reduce the burden of heart valve disease with a global and multidisciplinary approach

## Target Audience

This course targets all healthcare professionals who are in cardiology or internal medicine services. It mainly aims at interventional cardiology nurses, cardiology fellows, cardiologists, interventional cardiologists, and imaging cardiologists

## Venue

This event will be held at Halim and Aida Daniel Academic and Clinical Center Multipurpose Rooms, American University of Beirut Medical Center, Beirut, Lebanon.

## Accreditation Statement

This activity has been planned and implemented in accordance with the essential areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the American University of Beirut Medical Center. The Healthcare Professional Development Center at AUBMC is accredited by the ACCME to provide continuing medical education for physicians.

The Healthcare Professional Development Center at AUBMC designates this live activity for a maximum of 11 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## Faculty Disclosure Statement

The Healthcare Professional Development Center at AUBMC has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education "Standards for Integrity and Independence in Accredited Continuing Education" requiring identification, mitigation and disclosure of all faculty financial relationships with ineligible companies. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

Important Notes: The same e-mail address which was used for registration and where you receive the e-mail and instructions from AUBMC HPDC will need to be used in order to claim credits.

## Registration

The registration fee for this conference is free.

## Activity Directors



### Fadi Sawaya MD, FACC

Associate Professor of Medicine, Division of Cardiology  
Interventional and Structural Cardiology  
Director Structural Heart Program  
American University of Beirut Medical Center  
Beirut, Lebanon



### Ziyad Ghazal, MD, FACC, FSCAI

Professor of Medicine, Division of Cardiology  
American University of Beirut Medical Center  
Beirut, Lebanon



### Dounia Iskandarani MScN, MScIH

Structural Heart Program Manager  
American University of Beirut Medical Center  
Beirut, Lebanon

## Faculty List

### Lebanon

Abdallah Rebeiz, MD, FACC  
Bernard Abi Saleh, MD, FACC, FHRS  
Fadi Abou Jaoudeh, MD  
Fady El Khoury, MD  
Georges Ghanem, MD, FACC, FESC  
Marwan Refaat, MD, FACC, FAHA, FHRS, FESC, FRCP  
Mohamad Dbouk, MD  
Walid Gharzeddine, MD

### Cyprus

Georgios Georgiou, MD, FESC

### Czech Republic

Viktor Kočka, MD

### Denmark

Ole De Backer, MD, PhD

### Egypt

Ahmad El Guindy, MD

### France

Thomas Modine, MD, PhD

### Ireland

Darren Mylotte, MD  
Stephen O'Connor, MD

### Kingdom of Saudi Arabia

Wail Kashgari, MD  
Wail Al Kashkari MD, FPICS  
Ahmed ALShehri MD  
Hind Alosaimi MD  
Salem Assiri MD, FACC  
Abdullah Almasoud MD  
Faisal Alqoofi MD  
Sondos Samargandy MD  
Omar Albassam MD  
Saad Al Bugami MD

### Kuwait

AlTayyeb Yousef, MD

### Qatar

Mohammed Al-Hijji MD, FACC, FSCAI

### Slovenia

Matjaž Bunc, MD, PhD

### Spain

Luis Nombela, MD

# Program

## Day One: Aortic Valve

- 8:00 – 8:20      **Registration**
- 8:00 – 8:20      **Opening remarks**
- 8:30 – 10:10    **TAVI case step by step – Live case from AUBMC**  
*Operators: Fadi Sawaya and Ziyad Ghazzal*  
*Panelists: Ole De Backer, Stephen O’connor, Viktor Kočka, Thomas Modine, Darren Mylotte, and George Ghanem*  
*Procedural Analyst: Stephen O’Connor*  
*Imaging Analyst: Darren Mylotte*
- Patient Presentation  
Stephen O’Connor (5 minutes)
  - CT scan analysis  
Darren Mylotte (10 minutes)
  - Strategic and technical discussion of the procedure  
Panelists (10 minutes)
  - Objectives, strategy, tools and techniques  
(Commissural alignment)  
Stephen O’Connor (5 minutes)
  - Live procedure: TAVI  
Sawaya/Ghazzal (30 minutes)
  - Case Discussion  
Sawaya/Ghazzal (5 minutes)
  - Durability of transcatheter valves: what do we know so far?  
Georgios Georgiou (10 minutes)
  - TAVI failure, what do we know about explant?  
Thomas Modine (10 minutes)
  - Case Discussion  
(10 minutes)
- 10:05 – 10:45    **Coronary Access and PCI after TAVI**  
*Panelists: Viktor Kočka, Darren Mylotte, Ahmed El Guindy, Thomas Modine, Fadi Sawaya, Abdallah Rebeiz, and Matjaž Bunc*  
*Moderators: Matjaž Bunc, and Viktor Kočka*
- TAVI and CAD: epidemiology, screening, assessment  
Viktor Kočka (10 minutes)

- How to approach a patient with a transcatheter aortic valve requiring PCI

[Matjaž Bunc \(10 minutes\)](#)

- Clinical case presentations

[Viktor Kočka \(10 minutes\)](#)

- Discussion

[\(10 minutes\)](#)

10:50 – 11:30

## The Importance of Optimal Vascular Access and Closure in TAVI Patients

*Panelists:* [Fadi Sawaya](#), [AlTayyeb Yousef](#), [Ole De Backer](#),  
[Viktor Kočka](#), [Ziyad Ghazzal](#), and [Mohamad Dbouk](#)

*Moderators:* [Ole De Backer](#) and [AlTayyeb Yousef](#)

- Planning and precise puncture for successful arterial puncture

[Viktor Kočka \(10 minutes\)](#)

- Insights of suture and collagen mediated vessel closure

[Ole De Backer \(10 minutes\)](#)

- Challenging peripheral access – Alternative access: Transcaval

[AlTayyeb Yousef \(10 minutes\)](#)

- Case presentations with Shockwave

[Ole De Backer \(10 minutes\)](#)

- Carotid access considerations

[Thomas Modine \(10 minutes\)](#)

- Percutaneous axillary tips and tricks

[Fadi Sawaya \(10 minutes\)](#)

- Discussion

[\(5 minutes\)](#)

11:30 – 12:00

## Valve in Valve Considerations

*Panelists:* [Darren Mylotte](#), [Stephen O'Connor](#), [Ahmad El Guindy](#),  
[Georges Ghanem](#), [AlTayeb Yousef](#), and [Viktor Kočka](#)

*Moderators:* [Ole De Backer](#) and [Viktor Kočka](#)

- Optimize hemodynamics through transcatheter heart valve selection and implantation technique (fracture)

[Fadi Sawaya \(15 minutes\)](#)

- Basilica or chimney for coronary obstruction

[Ole De Backer \(10 minutes\)](#)

- Discussion

[\(5 minutes\)](#)

12:00 – 13:00

## Lunch Break and Training Village

13:00 – 14:20

### Key Considerations before, during and after TAVI: Live Case from AUBMC

*Operators: Fadi Sawaya and Abdallah Rebeiz*

*Panelists: Darren Mylotte, Thomas Modine, Georgious Georgiou, Mohamad Al Hijji, Viktor Kočka, and Matjaž Bunc*

*Procedural Analyst: Thomas Modine*

*Imaging Analyst: Darren Mylotte*

- Sentinel cerebral protection and protected TAVI  
What do we know so far? Who to treat?

*Darren Mylotte (10 minutes)*

- Patient presentation

*Thomas Modine (5 minutes)*

- CT scan analysis

*Viktor Kočka (10 minutes)*

- Strategic and technical discussion of the procedure

*Panelists (5 minutes)*

- Key objectives, strategy, tools and techniques  
(Commissural alignment)

*Darren Mylotte (10 minutes)*

- Live Procedure: TAVI

*Sawaya/Rbeiz (30 minutes)*

- Case Discussion

*(10 minutes)*

14:20 – 15:00

### TAVI for Bicuspid Anatomy

*Panelists: Thomas Modine, Darren Mylotte, Stephen O'Connor, Matjaž Bunc, Ahmad El Guindy, and AlTayyeb Yousef*

*Moderators: Thomas Modine and Darren Mylotte*

- TAVI in bicuspid aortic valves: what do we know so far?

*Ahmad El Guindy (10 minutes)*

- Procedural aspects of TAVI in bicuspid with a self-expanding valve

*Darren Mylotte (10 minutes)*

- Procedural aspects of TAVI in bicuspid with a balloon-expandable valve

*Stephen O'Connor (10 minutes)*

- Discussion

*(10 minutes)*

15:00 – 15:30

## Pre TAVI CT scan interpretation: what the interventionalist needs to know

*Panelists: Ole De Backer, Fadi Sawaya, Fady Khoury, Fadi Abou Jaoude, Mohamad Al Hijji, and Darren Mylotte*  
*Moderators: Ziyad Ghazzal and Viktor Kočka*

-Basic and fundamental CT scan measurements that an operator needs to know in order to plan a TAVI procedure

Viktor Kočka (10 minutes)

- How to interpret pre-TAVI CT scan in more advanced or complex anatomical scenarios

Darren Mylotte (10 minutes)

- Discussion

(10 minutes)

15:30 – 16:00

## Live in a Box TAVI with Navitor Valve

*Panelists: Ole De Backer, Fadi Sawaya, Fady Khoury, Matjaž Bunc, Abdallah Rebeiz, and Thomas Modine*  
*Moderators: Ole De Backer and Fadi Sawaya*

-Overview of the Navitor valve

Ole De Backer (10 minutes)

- Live in a Box: Step by step Navitor Implant

Ole De Backer (20 minutes)

16:00 – 16:30

## Lifetime Management with Sapien 3 Valve

*Panelists: Fady Khoury, Fadi Abou Jaoude, Stephen O'Connor, George Ghanem, Abdallah Rebeiz, and Ahmad El Guindy*  
*Moderators: Ahmad El Guindy and George Ghanem*

-Presentation of a case of bioprosthetic valve degeneration with sapien 3 implantation (valve in valve)

Ahmad El Guindy (15 minutes)

- Sapien 3 valve and future coronary access

George Ghanem (15 minutes)

# Day Two: Mitral and Tricuspid Valve

- 8:00 – 8:30      **Registration + Opening remarks**
- 8:30 – 10:00      **Online Session in Collaboration with SACIS**  
*Panelists: SACIS, Luis Nombela, and Fadi Sawaya*  
*From SACIS: Ahmed AlShehri, Abdullah Almasoud, Omar Albassam, Hind Alosaimi*  
*From Beirut: Luis Nombela*  
*Moderators: Wail AlKashkari, Fadi Sawaya*
- I fracture it! It was small  
[Faisal Alqoofi \(20 minutes\)](#)
  - I can't leave it alone, so I clip it  
[Saad Albugami \(20 minutes\)](#)
  - CIED related TR, it was not that easy  
[Sondos Samargandy \(20 minutes\)](#)
  - Discussion  
[\(20 minutes\)](#)
- 10:00 – 12:00      **Current Landscape of Percutaneous Mitral Interventions**  
**Live in a Box AUBMC**  
*Panelists: Abdallah Rebeiz, Mohamad Al Hijji, Thomas Modine, Luis Nombela, Ole De Backer, and Darren Mylotte*  
*Operators: Thomas Modine and Ole De Backer*
- Percutaneous mitral valve therapy in 2023  
[Thomas Modine \(15 minutes\)](#)
  - TEE imaging for the Mitral valve  
[Walid Gharzeddine \(15 minutes\)](#)
  - Live in a Box: Mitral Clip in a patient with functional MR  
[Fadi Sawaya \(30 minutes\)](#)
  - 5 year outcomes of the COAPT Trial - lessons learned  
[Mohamad Al Hijji \(10 minutes\)](#)
  - Severe MR in cardiogenic shock patient  
[Mohamad Al Hijji \(10 minutes\)](#)
  - Planning Mitral Valve in Valve: Mitral ViRing ViMAC + LAMPOON Procedure  
[Mike Al Asmar \(15 minutes\)](#)
  - Discussion  
[\(10 minutes\)](#)
- 12:00 – 13:00      **Training Village and Lunch Break**

13:00 – 14:15

## Current Landscape of Percutaneous Tricuspid Interventions

*Panelists: Thomas Modine, Luis Nombela, Ziyad Ghazzal, Darren Mylotte, Stephen O'Connor, and Ahmad El Guindy*  
*Moderators: Thomas Modine, and Luis Nombela*

- Percutaneous tricuspid valve therapy in 2023  
Thomas Modine (10 minutes)
- TEE imaging for the tricuspid valve  
Walid Gharzeddine (15 minutes)
- TRILUMINATE Pivotal: randomised trial of TEER for tricuspid regurgitation and Triclip considerations  
Luis Nombela (10 minutes)
- Live in a Box: TricValve step-by-step  
Luis Nombela (30 minutes)
- Discussion  
(10 minutes)

14:15 – 15:45

## Percutaneous LAA Closure

*Panelists: Marwan Refaat, Ole De Backer, Bernard Abi Saleh, Ole De Backer, Luis Nombela, and Fadi Sawaya*  
*Moderators: Ole De Backer and Luis Nombela*

- A spectrum of LAAC indications  
Marwan Refaat (15 minutes)
- Optimising LAAC preprocedural planning-  
CT planning – FEOPS – TS puncture  
Ole De Backer (15 minutes)
- Live in a Box: WatchmanFLX implantation step by step  
Bernard Abi Saleh (15 minutes)
- Live in a Box: Amulet implantation step by step  
Ole De Backer (15 minutes)
- Which medical treatment after LAA thrombus before closure  
Luis Nombela (10 minutes)
- Medical treatment and post-procedural follow-up after LAAC  
Luis Nombela (10 minutes)
- Discussion  
(10 minutes)

## Contact Information

For more information about this event, please contact:

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