



Ministry of National Guard – Health Affairs  
King Saud bin Abdulaziz University for Health sciences  
King Abdulaziz Cardiac Center



RIYADH STRUCTURAL HEART

# 3<sup>rd</sup> RIYADH STRUCTURAL HEART Conference

**TAVR for young cardiologists**  
**Riyadh Structural Heart Conference**

Course Directors:

Prof. Mohammed Balghith

Asst:

Prof. Mohammed Saad

JANUARY 9<sup>TH</sup>, 2025

TAVI COURSE FROM

3PM-6PM

MITRAL & TRICUSPID COURSE FROM

6PM-9PM



**CONFERENCE**

JANUARY 10<sup>TH</sup> - 11<sup>TH</sup>, 2025

**CROWNE PLAZA RDC  
HOTEL & CONVENTION CENTER  
RIYADH, SAUDI ARABIA**



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2024 DISTINGUISHED CHAPTER™

AMERICAN COLLEGE  
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POWERED BY  
Kora Reta

# TAVR for young cardiologists – Riyadh Structural Heart Conference

## Section 1: AVS: Diagnosis and treatment strategy

**Moderators:** Dr. Mohammed Balghith | Dr. Mohammed Saad | Dr. Hussein Alamri

### LEARN OBJECTIVES

- Diagnosis of severe aortic valve stenosis with focus on bicuspid aortic valve
- TAVR vs SAVR: heart-team decision
- Guidelines for management of patients with severe and moderate AVS

15:00 - 15:10	- Diagnosis of severe aortic valve stenosis - Low-Flow Low-Gradient aortic stenosis	Dr. Purvi parwani
15:10 - 15:20	- TAVI in asymptomatic patients - TAVI in patients with moderate aortic stenosis	Dr. Michael Reardon
15:20 - 15:30	- Bicuspid aortic valve: Sievers classification and its relevance	Dr. Flavio Ribichini
15:30 - 15:40	<b>TAVR vs SAVR</b> - TAVR vs SAVR: heart-team decision - Guidelines for management of patients with AVS	Dr. Tarek Helmy
15:40 - 15:45	Discussion	

## Section 2: Vascular access and closure devices for TAVR

**Moderators:** Dr. Ahmed Arifi | Dr. Faisal Alnasser | Dr. Abdullah Alkhodair

### LEARN OBJECTIVES

- Choosing the ideal route for TAVR access
- Way to puncture
- Vascular closure devices

15:45 - 15:55	<b>Vascular access for TAVR</b> - Choosing the ideal route for TAVR access - Ultrasound puncture versus angiographic puncture - Challenging transfemoral vascular access	Dr. Salem Assiri
15:55 - 16:05	- Vascular closure devices	Dr. Antonio Frangieh
16:05 - 16:15	- Non-femoral vascular access	Dr. Vinayak Bapat
16:15 - 16:20	Discussion	

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## Section 3: TAVR Materials and Devices

**Moderators:** Dr. Reda Abuelatta | Dr. Ali Almasood | Dr. Ayman Alsaleh

### LEARN OBJECTIVES

- Getting familiar with different TAVR materials
- Cerebral protection devices
- Different TAVR devices

#### TAVI Materials

16:15 - 16:25	- Different TAVR Wires - TAVR Balloons - Cerebral protection devices	Dr. Waleed Alharbi
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16:25 - 16:35	Different TAVR devices	Dr. Abdelkader Almanfi
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16:35 - 16:42	TAVR and conduction disturbances	Dr. Fahad Almehmadi
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## Section 4: Planning Valve Implantation

**Moderators:** Dr. Faisal Alqoofi | Dr. Hussein Alzayer | Dr. Mohammed Almohammadi

### LEARN OBJECTIVES

- TAVR – CT
- Lifetime management
- TAVR in special common anatomies

16:42 - 16:52	TAVR – CT: what to look for?	Dr. João Calcavante
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#### Lifetime management:

16:52 - 17:02	- Implantation with Cusp-Overlap-Technique - Commissural alignment and coronary access after TAVR	Dr. Abdulaziz Algethami
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17:02 - 17:12	<b>Best implantation strategy:</b> - TAVR in heavily calcified aortic root - TAVR in patients with pure aortic regurgitation	Dr. Mohammed Saad
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17:12 - 17:22	TAVI for pure AI	Prof. Eberhard Grube
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17:22 - 17:30	The use of AI and machine learning in pre-Tavi planning	Dr. Osama Soliman
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## Section 5: Challenging situations and Complication management

**Moderators:** Dr. Mubarak Aldossari | Dr. Hani Sergani | Dr. Fayaz Khan  
Dr. Chadi Alraies

### LEARN OBJECTIVES

- How to deal with challenging TAVR cases
- How to avoid and manage TAVR complications

17:30 - 17:45	Challenging TAVR cases (interactive discussion 2 experts)	Dr. Hazim Rahbi
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Dr. Mohammed Saad

17:45 - 18:00	Complication management (interactive discussion 2 experts)	Dr. Abdulrahman Almoghairi Dr. Abdullah Assiri
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