



# 2014

**Program Directors**

Antonio Colombo, MD, Milan, Italy  
Markus Kasel, MD, Munich, Germany  
Susheel K. Kodali, MD, New York, NY  
Martin B. Leon, MD, New York, NY



**ADVANCED  
TAVI IMAGING**



08:00 Business Center 1

## Pre-Procedural Screening and Vascular Access

- |      |   |              |
|------|---|--------------|
| 8:00 | <b>Basics of Multi-detector CT</b><br>Basic principles, imaging protocols,<br>analysis tools and beyond   | Leber        |
| 8:20 | <b>Basics of Echo CT Assessment for AS Including<br/>Borderline and Low Flow, Low Gradient Cases</b><br>Understanding strengths and limitations | Sonne        |
| 8:40 | <b>Assessing Vascular Access with CT scan,<br/>Angiography, IVUS and MRI</b><br>When and how to use   | Hengstenberg |

## Aortic Valvular Complex

- |       |   |   |
|-------|---|---|
| 9:00  | <b>Anatomy of the Aortic Valve Complex</b>  | Kodali  |
| 9:15  | <b>CT Assessment of the Aortic Annulus</b><br>What measurements are important and how to obtain them  | Kasel   |
| 9:30  | <b>Echo Assessment of Aortic Annulus<br/>with a Focus on 3D Assessment</b>  | Hahn  |
| 9:45  | <b>Value of intraprocedural Balloon Sizing</b>  | Kasel   |
| 10:00 | <b>Discussion</b>   |   |
| 10:15 | <b>Break</b>  |   |
| 10:30 | <b>Complex Clinical Scenario Scenarios Part One<br/>Case Discussions</b><br>· Annular Rupture and Management<br>· Bicuspid Valve<br>· Sapien 3 in insufficient Valve<br>· Small STJ and Porcelaine Aorta<br>· Valve in Valve and Valve<br>next to Mitral-Prosthesis | Walther<br>Araki<br>Thilo<br>Shiravaju<br>Kodali<br><br>Kasel |



11:30 Business Center 1 + 2

**Hands-On-Workshops** · Attendees will attend 3 workshops

11:30	<b>Session I</b>	(attendees choose one)	
	<b>Workshop 1</b>	<b>CT Workstation Training</b> Multiple Workstations	Kasel Shiravaju
	<b>Workshop 2</b>	<b>Echo Sizing</b> Philips	Hahn Sonne
	<b>Workshop 3</b>	<b>CT MPR Workstation Training</b> Osirix	Kodali Thilo
12:15	<b>Session II</b>	(attendees choose one)	
	<b>Workshop 1</b>	<b>CT Workstation Training</b> Multiple Workstations	Kasel Shiravaju
	<b>Workshop 2</b>	<b>Echo Sizing</b> Philips	Hahn Sonne
	<b>Workshop 3</b>	<b>CT MPR Workstation Training</b> Osirix	Kodali Thilo
13:00	<b>Break for Lunch</b>		
13:45	<b>Session III</b>	(attendees choose one)	
	<b>Workshop 1</b>	<b>CT Workstation Training</b> Multiple Workstations	Kasel Shiravaju
	<b>Workshop 2</b>	<b>Echo Sizing</b> Philips	Hahn Sonne
	<b>Workshop 3</b>	<b>CT MPR Workstation Training</b> Osirix	Kodali Thilo



14:30 Business Center 1

## Procedural Considerations 1

14:30 **Vascular Access Management** Kodali

Techniques for obtaining optimal vascular access and percutaneous closure with available devices

14:50 **Alternative Access Options** Walther

Tips and Tricks regarding different alternative access route options with case examples

15:10 **Caval-Aortal Access** Greenbaum

15:40 **Discussion**

15:50 **Break**

16:00 Business Center 1

## Procedural Considerations 2

16:00 **Echo Guided Implantation, Assessment and Management of Paravalvular Aortic Regurgitation** Hahn

16:20 **Fluoroscopic Guided Implantation, Assessment and Management of Paravalvular Aortic Regurgitation** Kasel

16:40 Business Center 1

## 3D visualization in a 2D world: Adjunctive fluoroscopic imaging tools

16:40 **Using Fluoroscopic Landmarks For Identifying The Ideal View** Shiravaju

Follow the right cusp rule

16:50 **Update on Imaging Systems with Discussion** Leber

- Paeion angiographic system
- Siemens Dyna-CT
- Phillips Heart Navigator
- GE Innova system

17:10	<b>Screening and Periprocedural Imaging in Mitralvalve Treatment</b>	Baldus
17:30	<b>Complex Clinical Scenarios PART TWO</b> <b>Case Discussions</b>	Kasel, Kodali
	· Horizontal aorta	Walther
	· Severly depressed LV function, Role of hemodynamic support	Falk
	· Coronary artery occlusion: Management and prevention	Kuck
	· Ad hoc TAVI - a possibility?	Colombo
18:15	<b>Program Conclude</b>	





# 2014

## **Program Directors**

Prof. Dr. med. Stephan Baldus, Cologne  
Prof. Dr. med. Volkmar Falk, Berlin  
Prof. Dr. med. Karl-Heinz Kuck, Hamburg  
Prof. Dr. med. Thomas Walther, Bad Nauheim





**09:00 - 11:00 Business Center**  
**Workshop · New TAVI Devices**

TAVI Decision-Making: planning vascular access - device selection\*

Chair: Stephan Baldus, Volkmar Falk

- 09:00 TAVI - Step by Step  
09:30 Device Selection  
10:00 Vascular Access Options  
10:30 Embolic Protection  
\*with kind support of JenaValve

**11:00 Break**



**11:15 - 13:15 Auditorium**  
**Live Session · New TAVI Devices**

Chair: Volkmar Falk, Karl-Heinz Kuck

Panel: Stephan Baldus, Antonio Colombo, Hans Figulla, Susheel Kodali, Thomas Walther

11:15 **Welcome**

11:20

**STATE OF THE ART**

**Evolution of TAVI Devices**

Stephan Baldus

11:30

**Live Cases / Live Cases in a Box**

**Lotus Valve System**

Ulrich Schäfer, Hendrik Treede

**Acurate TF** Sabine Bleiziffer, Christian Hengstenberg, Helge Möllmann

**Direct Flow** Ralf Bader, Christian Frerker, Karl-Heinz Kuck

**CoreValve Evolut R** Ralf Bader, Christian Frerker, Karl-Heinz Kuck

**Transaxillary Access (S3)**

Francesco Maisano, Fabian Nietlispach

**Transfemoral Access (S3)**

Navid Madershahian, Tanja Rudolph

**Transaortic Access**

Derk Frank, Rainer Petzina

**Transapical Access**

Lenard Conradi, Ulrich Schäfer

13:00 **Discussion | Live Case Reviews**

13:10 **Take Home Message**

Thomas Walther

**13:15 - 13:45 Lunch Break**





### 13:45 - 15:45 Business Center Workshop · Mitral- and Aortic Regurgitation

Procedure Planning - How to perform efficient procedures

Chair: Karl-Heinz Kuck, Thomas Walther

#### Part 1: Transcatheter Mitral Valve Repair\*\*

13:45 The perfect case - step by step Ilka Ott

14:05 The essentials of transseptal puncture Ilka Ott, Thomas Walther

14:25 Complication Management Karl-Heinz Kuck

My complex case

\* with kind support of Abbott Vascular

#### Part 2: TAVI complication management\*\*

14:45 State of the art Karl-Heinz Kuck

15:05 Acute procedural outcomes with a fully repositionable valve Raffi Bekerredjian

15:25 PVL reduction in challenging anatomies – why control matters Jochen Wöhrle

\*\* with kind support of Boston Scientific

#### 15:45 Break



### 16:00 - 18:00 Auditorium Live Session · Mitral- and Aortic Regurgitation

Chair: Stephan Baldus, Thomas Walther

Panel: Volkmar Falk, Christian Hengstenberg, Markus Kasel, Karl-Heinz Kuck, Tienush Rassaf

16:00 **STATE OF THE ART**  
**Mitral- and Aortic Regurgitation:  
Which Intervention?** Karl-Heinz Kuck

16:10 **Live Cases / Live Cases in a Box**  
**MIC-MKR 3D** Hendrik Treede  
**MitraClip** Jan Balzer, Tobias Zeus  
**Rapid Deployment System** Bruno Podesser, Paul Vock  
**JenaValve in Homograft** Volkmar Falk  
**Valtech Cardio Band** Karl-Heinz Kuck

17:45 **Discussion | Live Case Reviews**

17:55 **Take Home Message** Volkmar Falk