

Mitral and tricuspid imaging: a 2-day practical academy

(in collaboration with the PCR Tricuspid Focus Group)



Organising committee

PD Dr. med. Nicolas Brugger
Prof. Dr. med. Fabien Praz

Inselspital
Inselspital

National Faculty

PD Dr. med. Patric Biaggi
PD Dr. med. Nicolas Brugger
PD Dr. med. Stefano de Marchi
Dr. med. Gabriella De Pasquale Meyer
Prof. Dr. med. Christoph Gräni
Dr. med. Raouf Madhkour
Prof. Dr. med. Fabien Praz
Dr. med. Nicolas Ramseier
Dr. med. Simon Stämpfli

Herzlinik Zürich
Inselspital
Inselspital
Klinik im Park Zürich
Inselspital
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Inselspital
Inselspital
Kantonsspital Luzern

International Faculty

Dr. med. Nina Wunderlich
Assoz. Prof. PD Dr. Martin Andreas

Darmstadt
Wien

Programm

Day 1 (Mitral)

9h45-10h Welcome coffee

10h-10h15 Welcome message and aims of the course

Fabien Praz und Nicolas Brugger

(Inselspital)

10h15-10h45 Precautions during transoesophageal echocardiography: a case-based demonstration

Stefano de Marchi

(Inselspital)

Discussion 15min

10h45-11h15 2D TEE of the mitral valve tips and tricks

Learning objectives:

- How to optimize standard views: tips and tricks
- The role of X-Plane/Multi-D – which additional information?

Simon Stämpfli

(Kantonsspital Luzern)

11h15-12h00 Live TEE case 1: TEE exam of patient with primary mitral regurgitation before transcatheter treatment

12h00-13h00 Lunch break

**Restaurant Flavour
Kitchen ITEM**

13h-13h45 Practical exercises (2D und X-Plane/Multi-D)

Nicolas Ramseier

Nicolas Brugger

Raouf Madhkour

Caroline Chong-Nguyen

Mentis simulators

(Inselspital)

(Inselspital)

(Inselspital)

(Inselspital)

13h45-14h15 3D TEE of the mitral valve

Learning objectives:

- Optimal preparation of 3D acquisition (3D Zoom, full volume)
- Optimisation of 3D images (rotation, cropping, time/spatial Resolution, use of Doppler)

Nicolas Brugger

(Inselspital)

14h15-14h45

Practical exercises (3D images)

Nicolas Ramseier

Nicolas Brugger

Raouf Madhkour

Caroline Chong-Nguyen

Mentis simulators

(Inselspital)

(Inselspital)

(Inselspital)

(Inselspital)

14h45-15h00 Coffee break

15h00-15h45

Live TEE case 2: TEE exam of patient with secondary mitral regurgitation before transcatheter treatment

Raouf Madhkour (Live TEE exam)

Fabien Praz (comments)

Gabriella de Pasquale Meyer

(Inselspital)

(Inselspital)

Klinik im Park

15h45-16h30 Post-processing of 3D volumes in TomTec

Learning objectives:

- Assess MVA before and after clipping
- Measure annulus dimensions
- Assess patho-mechanisms of disease

Nicolas Ramseier

Nicolas Brugger

Raouf Madhkour

Caroline Chong-Nguyen

(Inselspital)

(Inselspital)

(Inselspital)

(Inselspital)

16h30-17h00 Case-based examples of state-of the art imaging to guide transcatheter mitral valve procedures

Learning objectives:

- Most important views
- Catheter movements and orientation
- Examples of fusion imaging

Fabien Praz

Nicolas Brugger

(Inselspital)

(Inselspital)

17h00 -17h15 Take home messages and wrap-up

19h00 Dinner

Day 2 (Tricuspid) – in collaboration with the PCR Tricuspid Focus Group

8h15-8h30 Welcome coffee

8h30-9h00 Natural history and prognosis of tricuspid regurgitation

Fabien Praz

(Inselspital)

09h00-09h30 TTE remains the first line modality to assess the tricuspid valve

Raouf Madkhour

(Inselspital)

09h00-09h45 State-of-the art on how to image the tricuspid valve

Nina Wunderlich

(Darmstadt)

9h45-10h15 Tips and tricks on how to optimize imaging of the tricuspid valve

Patrick Biaggi

10h15-10h30 Coffee Break

10h30-11h15 Practical exercises

Nicolas Ramseier

Nicolas Brugger

Raouf Madhkour

Caroline Chong-Nguyen

Mentis simulators

(Inselspital)

(Inselspital)

(Inselspital)

(Inselspital)

11h15-11h45 Contemporary treatment of the tricuspid valve: latest evidence and examples

Martin Andreas

Wien

11h45-12h15 Live in a box transcatheter tricuspid valve procedures

Learning objectives:

- Most important views
- Catheter movements and orientation
- Examples of fusion imaging/ICE

Fabien Praz

Patrick Biaggi

12h15-13h30 Lunch

Restaurant Flavour

Kitchen SITEM

13h30-14h15

Live TEE case 2: TEE exam of a patient with secondary tricuspid regurgitation before transcatheter treatment

Nicolas Brugger (Live TEE exam)

(Inselspital)

Nina Wunderlich

(Inselspital)

Patrick Biaggi

14h15-14h45 Practical exercises

Nicolas Ramseier

(Inselspital)

Nicolas Brugger

(Inselspital)

Raouf Madhkour

(Inselspital)

Caroline Chong-Nguyen

(Inselspital)

Mentis simulators

14h45-15h00 Coffee break

15h00-15h20 The role of ICE for transcatheter tricuspid interventions

Fabien Praz

15h20-15h50 The role of CT for structural interventions

Christoph Gräni

15h50-16h00 Take home messages and wrap-up