



FOCUS: Valve 2024

3D live surgeries – workshops – wetlabs

15th Course for

Minimally Invasive Heart Valve Surgery

Medical University Innsbruck

INNSBRUCK | AUSTRIA | SEPT. 15 – 18, 2024



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FOCUS VALVE PARTNERS

ECS – Endoscopic Cardiac Surgeons Club
www.ecsclub.org

COURSE LOCATION

LKI/Universitätskliniken Innsbruck
Chirurgie (Building no. 8)
Main Auditorium (Großer Hörsaal)
Entrance Innerkoflerstrasse
6020 Innsbruck, Austria

CREDITS

CME Credits for this event will be proceeded.

CONGRESS ORGANIZER



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HIGHLIGHTS 2024:

Live surgeries:

- Endoscopic mitral valve repair
- Endoscopic aortic valve replacement
- Transaxillary valve surgery
- Combined AV/MV disease

Interactive workshops:

- **Echocardiography**
- **MICS techniques for aortic, mitral, tricuspid valve surgery and atrial fibrillation**

Wetlabs:

- MICS hands on training with 3D imaging technology
- Aortic and mitral valve interventions on the beating heart

INNSBRUCK | AUSTRIA

SEPTEMBER 15 – 18, 2024

FACULTY

Ad Niv, USA	Dzemali Omer Servet, CH	Pölzl Leo, AT
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Casselman Filip P. A., BE	Krane Markus, DE	Treede Hendrik, DE
Castella Manuel, ES	Krapf Christoph, AT	Velik-Salchner Corinna, AT
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De Paulis Ruggiero, IT	Laufer Günther, AT	Von Bardeleben Ralph Stephan, DE
Delgado Victoria, ES	Liebold Andreas, DE	Vötsch Andreas, AT
Detter Christian, DE	Martini Judith, AT	Walther Thomas, DE
Di Eusanio Marco, IT	Müller Ludwig, AT	Wiedemann Dominik, AT
Doll Kai-Nicolas, DE	Nägele Felix, AT	Yadav Rashmi, UK
Dreyfus Gilles, FR	Pereda Daniel, ES	Zancanaro Edoardo, IT
Dreyfus Julien, FR	Perier Patrick, FR	Zierer Andreas, AT
Dumfarth Julia, AT	Pitsis Antonios, GR	Zimpfer Daniel, AT

SCIENTIFIC PROGRAM

DAY 1, Sunday, September 15, 2024

Valve Surgery under RE-CONSTRUCTION

13:00 – 14:30 **Session 1: Data affecting daily practice**
Chair: Reichensperner H, Bauer A

The UK Mini-mitral study	Garbi M
Anticoagulation for mechanical prostheses	Semsroth S
DEDICATE TRIAL	Reichensperner H
The CEASE-AF study for persistent AF	Doll K-N
Risk stratification in tricuspid regurgitation: the TRI-Score	Dreyfus J

14:30 – 16:00 **Workshop 1: Case-based learning in mitral disease** **NEW!**
Chair: Gollmann-Tepeköylü C, Treede H

One case presenter and one surgeon from the same team present and comment on cases on a dialogue format. The case presenter shows the echo findings, the surgeon comments on the technique of repair. A commentator provides theoretical knowledge on basic definitions

BLOCK 1	Case presenter <i>Nägele F</i> Primary MR – flail leaflet <ul style="list-style-type: none">• simple P2 – flail• AML flail	Surgeon <i>Bonaros N</i> Selection of surgical techniques <ul style="list-style-type: none">• resection• artificial chordae	Commentator <i>Berrebi A</i> Definitions <ul style="list-style-type: none">• flail/ prolapse• chordal rupture vs elongation• commissural anatomy
BLOCK 2	Case presenter <i>Pözl L</i> Primary MR – Barlow <ul style="list-style-type: none">• P2 flail – myxomatous degeneration• bi-leaflet prolapse• functional prolapse – MAD	Surgeon <i>Perier P</i> Selection of surgical techniques <ul style="list-style-type: none">• resection• artificial chordae• alternative techniques	Commentator <i>Delgado V</i> Definitions <ul style="list-style-type: none">• anatomy and histology of Barlow’s disease• Identations• MAD
BLOCK 3	Case presenter <i>Tomsic A</i> Secondary MR <ul style="list-style-type: none">• atrial MR• ventricular MR w/o tethering• ventricular MR with tethering	Surgeon <i>Girdauskas E</i> Selection of surgical techniques <ul style="list-style-type: none">• ring and run• subvalvular techniques• replacement	Commentator <i>Delgado V</i> Definitions <ul style="list-style-type: none">• atrial MR: causes and prognosis• ventricular MR: Impact of arization revascularization• tethering

16:00 - 16:30 **Coffee break**

SCIENTIFIC PROGRAM

DAY 1, Sunday, September 15, 2024

16:30 – 18:00 Workshop 2: Case-based learning in tricuspid disease

BLOCK 1	Case presenter <i>Zancanaro E</i> Secondary atrial TR <ul style="list-style-type: none">• concomitant MR• isolated TR	Surgeon <i>Treede H</i> Selection of surgical techniques <ul style="list-style-type: none">• ring and run• beating heart surgery	Commentator <i>Von Bardeleben S</i> Definitions <ul style="list-style-type: none">• etiology and prognosis of atrial TR• indications for treatment in concomitant TR• indications for treatment in isolated TR
BLOCK 2	Case presenter <i>Schneider U</i> Secondary ventricular TR <ul style="list-style-type: none">• concomitant MR• isolated TR	Surgeon <i>Färber G</i> Selection of surgical techniques <ul style="list-style-type: none">• ring and run• subvalvular techniques	Commentator <i>Garbi M</i> Definitions <ul style="list-style-type: none">• TAPSE• RV-PA coupling• indications for treatment
BLOCK 3	Case presenter <i>Ascione G</i> Primary TR <ul style="list-style-type: none">• leaflet prolapse• traumatic TR	Surgeon <i>Höfer D</i> Selection of surgical techniques <ul style="list-style-type: none">• artificial chordae• kay• replacement	Commentator <i>Ajmone N</i> Definitions <ul style="list-style-type: none">• RV papillary muscle anatomy• bicuspidalization edge-to-edge

18:00 End of Day 1

SCIENTIFIC PROGRAM

DAY 2, Monday, September 16, 2024

08:30 – 09:00 **Welcome**
Introductory lecture: The art of visualization in mitral valve surgery
Theoretical lecture: How to improve the results of a minimally invasive program by enhanced recovery after surgery

*Alfieri O
Müller L
Kindo M*

09:00 – 12:00 **Live surgeries**
Moderator: Reichensperner H
Panel: Di Eusanio M, Krane M, Pitsis A, Wiedemann D, Zimpfer D

Case presentations live from the OR

Live surgery 1

Endoscopic AVR with conventional suturing

Surgeon: Bonaros N

Learning objectives: Patient positioning, CT-based planning, clamping, aortotomy, conventional suturing

Live surgery 2

Endoscopic AVR with automated suturing device

Surgeon: Bakhtiary F

Learning objectives: Endoscopic access, camera placement, clamping, automated suturing

Presentations block 1: Let’s talk about access in MIVS

- Hemisternotomy: the swiss army knife for valve surgery
- Endoscopic valve surgery
- Robotic valve surgery
- Transaxillary access: no scope, no special tools

*Dzemali O
Lakew F
Pereda D
Di Eusanio M*

10:00 – 10:30 **Coffee break**

10:00 – 11:00 **Skills Lab: Endoscopic MVR, AVR** on a simulator
60 minutes training – limited number of participants
meeting point: registration desk

12:00 – 13:00 **Lunch break**

13:00 – 14:00 **Technology corner**
Moderator: Yadav R, Andreas M

Beating heart neochoords for complex pathologies
Transseptal beating heart neochoords
Emerging valves for TTVI
New tissue valves data

*D’ Onofrio A
Von Bardeleben S
Walther T
Casselmann F*

14:00 – 14:30 **Keynote lecture: Translational approach of valvular disease**
Holfeld J

SCIENTIFIC PROGRAM

DAY 2, Monday, September 16, 2024

14:30 – 18:00

Live surgeries
Moderator: Alfieri O
Panel: Casselman F, Laufer G, Sadaba R, Schachner T, Zierer A

Case presentations live from the OR

Live surgery 3
Endoscopic MVR LAAO/LA Ablation
Surgeon: Doll K-N
Learning objectives: LAA occlusion, left atrial ablation lines, right atrial ablation lines, epicardial lesion, mitral repair

Live surgery 4
Ministernotomy double valve surgery
Surgeons: Grimm M, Gollmann-Tepeköylü C
Learning objectives: Access for double valve surgery, dealing with mitral annular calcifications, AVR with conventional suturing
Facilitator: Berrebi A

Presentations block 2:
Atrial fibrillation – What every surgeon needs to know

- Digital medicine and atrial fibrillation
 - Ablation lines: the science behind it
 - LA Ablation in mitral surgery: when to do
 - LA Ablation in mitral surgery: when not to do
 - Hybrid ablation: time for take-off
- Bauer A
Ad N
Benussi S
Suwalski P
Castella M

16:00 – 16:30 Coffee break

15:00 – 16:00

Skills Lab: Endoscopic MVR, AVR
60 minutes training – limited number of participants
meeting point: registration desk

Seminar room 1

18:00 End of Day 2

SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 17, 2024		
08:30	ICU report	Surgeon on duty
08:35 – 09:00	The most important thing in mitral valve surgery is the tricuspid valve <i>Dreyfus G</i>	
09:00 – 12:30	Live surgeries Moderator: <i>Pomar J-L</i> Panel: <i>De Paulis R, Müller L, Sadaba R, Siepe M, Grabenwöger M</i> Case presentations live from the OR Live surgery 5 Endoscopic MVR/TVR Surgeon: <i>Borger M</i> Learning objectives: The Leipzig way, endoscopic repair, loops technique Live surgery 6 Endoscopic MVR Surgeons: <i>Färber G, Bonaros N</i> Learning objectives: Camera positioning, endoscopic mitral repair, semi-rigid ring annuloplasty Facilitator: <i>Delgado V</i> Presentations block 3: Minimally invasive treatment of concomitant disease Aortic stenosis and secondary MR: how to treat? <ul style="list-style-type: none">• A guide to treat radiation-induced valve disease• HOCM: address...<ul style="list-style-type: none">◦ the septum only?◦ the mitral valve in all cases?• Endoscopic treatment of HOCM	
10:30 – 11:00	Coffee break	
10:00 – 11:00	Skills Lab: Endoscopic MVR, AVR 60 minutes training – limited number of participants meeting point: registration desk	on a simulator
12:30 – 13:30	Lunch break	
13:30 – 14:30	My best tricks... Moderator: <i>Dumfarth J, Solinas M</i> ... to avoid troubles during cannulation and cross-clamping ... to choose the right annuloplasty during cannulation and cross-clamping ... to repair different types of prolaps ... to avoid bleeding	<i>Siepe M</i> <i>Sadaba J</i> <i>Detter C</i> <i>Grimm M</i> <i>Pitsis A</i> <i>Akhyari P</i> <i>De Paulis R</i> <i>Kofidis T</i> <i>Lakew F</i>

SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 17, 2024

14:30 – 18:00 **Live surgeries**
Moderator: *Perier P*
Panel: *Akhyari P, Girdauskas E, Liebold A, Kocher A, Seitelberger R*

Case presentations live from the OR

Live surgery 7

Transaxillary MVR

Surgeons: Di Eusanio M, Kappert U

Learning objectives: Transaxillary access, clamping and visualization using a head camera, chordal replacement free-hand technique

Live surgery 8

MVR for Barlow's disease

Surgeons: Höfer D, Müller L

Learning objectives: Endoscopic access, mitral repair of Barlow's disease with loops and open ring, treatment of mitral annular disjunction

Presentations block 4:

Choose wisely:

- Cannulas and cannulation strategy for MIMVS
- Which clamp – which cardioplegia for MIMVS?
- Mini-mitral on the fibrillating heart
- Left mini-thoracotomy for valve surgery

Krane M

Liebold A

Ad N

Babliak O

16:00 – 16:30 **Coffee break**

15:00 – 16:00 **Skills Lab: Endoscopic MVR, AVR**
60 minutes training – limited number of participants
meeting point: registration desk

18:00 **End of day 3**

SCIENTIFIC PROGRAM

DAY 4, Wednesday, September 18, 2024

08:00 – 12:00 Perioperative echocardiography for surgeons

Tutors: Velik-Salchner C, Martini J

08:30 – 16:30 Porcine beating heart wetlab seminar room 1 (8 groups of 4-5 participants, 90 minutes per group)

- Beating heart valve simulation Lab transaortic TAVI
Tutors: Krapf C, Stastny L
- Beating heart valve simulation Lab TEER
Tutors: TBA
- Beating heart valve simulation Lab transapical neochordae
Tutors: Vogt F, Doll K-N

09:00 – 13:00 MIMVS Wetlab I – (morning) seminar room 2

Minimally invasive mitral valve repair – 3D endoscopic training

Tutors: Höfer D, Müller L, Vötsch A

14:00 – 18:00 MIMVS Wetlab II – (afternoon – identical to MIMVS Wetlab I) seminar room 2

Minimally invasive mitral valve repair – 3D endoscopic training

Tutors: Höfer D, Müller L, Vötsch A

ONLINE REGISTRATION: <https://registration.maw.co.at/valve24>

REGISTRATION FEES

Preregistration
until August 12, 2024

On site registration
after August 12, 2024

DAY 1 – 3, September 15 – 17, 2024

Focus valve training course	€ 1000.-	€ 1100.-
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DAY 4, September 18, 2024

Perioperative echocardiography for surgeons	€ 350.-	€ 450.-
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MIMVS wetlab I (09:00 – 13:00)	€ 350.-	€ 450.-
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MIMVS wetlab II (14:00 – 18:00)	€ 350.-	€ 450.-
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MIMVS wetlab II is identical to wetlab I

Beating heart wetlab	€ 350.-	€ 450.-
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(price per session)

<u>TAVI sessions</u>	8:30-10:00	10:30-12:00	13:00-14:00	15:00-16:30
<u>Mitral sessions</u>	8:30-10:00	10:30-12:00	13:00-14:00	15:00-16:30

Group A: Training of TEER under cardioscopy guidance

Group B: Transapical neochordae implantation

**Residents and nurses are entitled to a 50% discount for the training course and all workshops.
Medical students can register free of charge.**

Combo beating heart and MIMVS wet lab	€ 500.-	€ 550.-
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By booking of two sessions (Mitral and or TAVI) you get a discount

TEAM/GROUP REGISTRATION:

Bring your team colleagues to Focus Valve and save up to 50% of the registration and workshop fees.

How to receive a group discount:

- First team member registers online via: <https://registration.maw.co.at/valve24>
- The confirmation email contains a team code which you can use to register up to 5 team members:

The team registration discount conditions are as follows:

- 2nd team member – 20 % discount
- every further team member – 40 % discount, maximum: 5 team members

Social Evening – Meet & Greet
September 16, 2024

Registration Fee: EUR 80.-

Venue: Restaurant 1809, Bergisel 2, 6020 Innsbruck
Time: 19:30

INNSBRUCK | AUSTRIA
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