



# FOCUS: Valve 2024

3D live surgeries – workshops – wetlabs

15<sup>th</sup> Course for

Minimally Invasive Heart Valve Surgery

Medical University Innsbruck

INNSBRUCK | AUSTRIA | SEPT. 15 – 18, 2024



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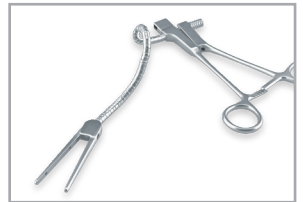
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## GENERAL INFORMATION

### COURSE DIRECTORS

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### FOCUS VALVE PARTNERS

ECS – Endoscopic Cardiac Surgeons Club  
[www.ecsclub.org](http://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



MAW - International Exhibitions and Advertising  
Medizinische Ausstellungs- und Werbegesellschaft  
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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	Pomar Jose-Luis, ES
Ajmone Nina, NL	Färber Gloria, DE	Reichenspurner Hermann, DE
Akhyari Payam, DE	Garbi Maddalina, UK	Sadaba J. Rafael, ES
Andreas Martin, AT	Girdauskas Evaldas, DE	Schachner Thomas, AT
Alfieri Ottavio, IT	Gollmann-Tepeköylü Can, AT	Schneider Ulrich, DE
Ascione Guido, IT	Grabenwöger Martin, AT	Seitelberger Rainald, AT
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Casselmann Filip P. A., BE	Lakew Fitsum, DE	Velik-Salchner Corinna, AT
Castella Manuel, ES	Laufer Günther, AT	Vogt Ferdinand, DE
De Paulis Ruggiero, IT	Liebold Andreas, DE	Von Bardeleben Ralph Stephan, DE
Delgado Victoria, ES	Martini Judith, AT	Vötsch Andreas, AT
Detter Christian, DE	Müller Ludwig, AT	Walther Thomas, DE
Di Eusanio Marco, IT	Nägele Felix, AT	Wiedemann Dominik, AT
Doll Kai-Nicolas, DE	Pereda Daniel, ES	Yadav Rashmi, UK
D'Onofrio Augusto, IT	Perier Patrick, FR	Zancanaro Edoardo, IT
Dreyfus Gilles, FR	Pitsis Antonios, GR	Zimpfer Daniel, AT
Dreyfus Julien, FR	Pölzl Leo, 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: Reichenspurner H, Bauer A**

The UK Mini-mitral study

Anticoagulation for mechanical prostheses

DEDICATE TRIAL

The CEASE-AF study for persistent AF

Risk stratification in tricuspid regurgitation: the TRI-Score **online**

*Garbi M*

*Semsroth S*

*Reichenspurner H*

*Doll K-N*

*Dreyfus J*

**14:30 - 16:30** Workshop 1: Case-based learning in mitral disease

**Chair: Gollmann-Tepeköylü C, Treede H**

**NEW!**

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

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

**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

<b>BLOCK 1</b>	<b>Case presenter Mainz</b> <i>Zancanro E</i> Secondary atrial TR <ul style="list-style-type: none"><li>• concomitant MR</li><li>• isolated TR</li></ul>	<b>Surgeon</b> <i>Treede H</i> Selection of surgical techniques <ul style="list-style-type: none"><li>• ring and run</li><li>• beating heart surgery</li></ul>	<b>Commentator</b> <i>Von Bardeleben S</i> Definitions <ul style="list-style-type: none"><li>• etiology and prognosis of atrial TR</li><li>• indications for treatment in concomitant TR</li><li>• indications for treatment in isolated TR</li></ul>
<b>BLOCK 2</b>	<b>Case presenter Jena</b> <i>Schneider U</i> Secondary ventricular TR <ul style="list-style-type: none"><li>• concomitant MR</li><li>• isolated TR</li></ul>	<b>Surgeon</b> <i>Färber G</i> Selection of surgical techniques <ul style="list-style-type: none"><li>• ring and run</li><li>• subvalvular techniques</li></ul>	<b>Commentator</b> <i>Garbi M</i> Definitions <ul style="list-style-type: none"><li>• TAPSE</li><li>• RV-PA coupling</li><li>• indications for treatment</li></ul>
<b>BLOCK 3</b>	<b>Case presenter Milan</b> <i>Ascione G</i> Primary TR <ul style="list-style-type: none"><li>• leaflet prolapse</li><li>• traumatic TR</li></ul>	<b>Surgeon</b> <i>Höfer D</i> Selection of surgical techniques <ul style="list-style-type: none"><li>• artificial chordae</li><li>• kay</li><li>• replacement</li></ul>	<b>Commentator</b> <i>Ajmone N</i> Definitions <ul style="list-style-type: none"><li>• RV papillary muscle anatomy</li><li>• bicuspidalization edge-to-edge</li></ul>
<b>18:00</b>	<b>End of Day 1</b>		

## SCIENTIFIC PROGRAM

### DAY 2, Monday, September 16, 2024

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

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

#### Case presentations live from the OR

##### Live surgery 1

Transaxillary AVR

**Surgeon:** *Grimm M*

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

##### Live surgery 2

Endoscopic AVR

**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:** Perier P  
**Panel:** Alfieri O, Casselman F, Laufer G, Sadaba R, Schachner T

**Case presentations live from the OR**

### Live surgery 3

Endoscopic MV 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

Endoscopic MV

**Surgeons:** Färber G, Bonaros N

**Learning objectives:** Camera positioning, endoscopic mitral repair, semi-rigid ring annuloplasty

**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**

*Dreyfus G*

**09:00 - 12:30** **Live surgeries**  
**Moderator: Pomar J-L**  
**Panel: De Paulis R, Müller L, Sadaba R, Siepe M, Grabenwöger M**

**Case presentations live from the OR**

**Live surgery 5**

MIC MVR/TVR

**Surgeon:** Borger M

**Learning objectives:** The Leipzig way, endoscopic repair, loops technique

**Live surgery 6**

Ministernotomy double valve surgery

**Surgeons:** Bonaros N, Gollmann-Tepeköylü C

**Learning objectives:** Access for double valve surgery, dealing with mitral annular calcifications, AVR with conventional suturing

**Facilitator:** Delgado V

**Presentations block 3:**  
**Minimally invasive treatment of concomitant disease**

Aortic stenosis and secondary MR: how to treat?

- A guide to treat radiation-induced valve disease
- HOCM: address...
  - the septum only?
  - the mitral valve in all cases?
- Endoscopic treatment of HOCM

*Siepe M  
Sadaba J*

*Detter C  
Grimm M  
Pitsis A*

**10:30 - 11:00** **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**

**12:30 - 13:30** **Lunch break**

**13:30 - 14:30** **My best tricks...**  
**Moderator: Dumfarth J, Solinas M**

- ... to avoid troubles during cannulation and cross-clamping
- ... to choose the right annuloplasty during cannulation and cross-clamping
- ... to repair different types of prolaps
- ... avoid bleeding

*Akhyari P  
De Paulis R  
Kofidis T  
Lakew F*

## 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 mitral valve surgery

**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**

Endoscopic MV

**Surgeons:** Höfer D, Müller L

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

#### **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 TEE for surgeons**

*Tutors: Velik-Salchner C, Martini J*

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

- Beating heart valve simulation Lab transaortic TAVI  
*Tutors: Krapf C, Stastny L*
- Beating heart valve simulation Lab Mitraclip  
*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**

<b>Focus valve training course</b>	€ 1000.-	€ 1100.-
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**DAY 4, September 18, 2024**

<b>TEE for surgeons</b>	€ 350.-	€ 450.-
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<b>MIMVS wetlab I (09:00 - 13:00)</b>	€ 350.-	€ 450.-
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<b>MIMVS wetlab II (14:00 - 18:00)</b>	€ 350.-	€ 450.-
MIMVS wetlab II is identical to wetlab I		

<b>Beating heart wetlab</b>	€ 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.**

<b>Combo beating heart and MIMVS wet lab</b>	€ 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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