



# FOCUS: Valve 2023

**3D live surgeries - workshops - wetlabs**

Minimally invasive surgery - best option in operable valve disease  
Focus on: Barlow's disease and endoscopic AVR

14<sup>th</sup> Training Course for

Minimally Invasive Heart Valve Surgery

Medical University Innsbruck

INNSBRUCK | AUSTRIA | SEPT. 10 - 13, 2023



[www.focusvalve.org](http://www.focusvalve.org)

## GENERAL INFORMATION

### COURSE DIRECTORS

Nikolaos BONAROS  
Michael GRIMM

### SENIOR DIRECTOR

Ludwig MÜLLER

### CO DIRECTORS

Ottavio ALFIERI  
ÖtzeKin OTO  
Patrick PERIER  
Jose Luis POMAR

### SCIENTIFIC SECRETARY

Daniel HÖFER

### CONGRESS CONTACT

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### FOCUS VALVE PARTNERS

ECS – Endoscopic Cardiac Surgeons Club  
[www.ecsclub.org](http://www.ecsclub.org)  
Heart and Health Foundation of Turkey  
[www.tksv.org/en](http://www.tksv.org/en)

### COURSE LOCATION

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

### CREDITS

An application has been made to the  
UEMS EACCME® for CME accreditation of this event.

### CONGRESS ORGANIZER



MAW - International Exhibitions and Advertising  
Medizinische Ausstellungs- und WerbeGesellschaft  
Freyung 6/3, 1010 Vienna, Austria  
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## HIGHLIGHTS 2023:

### Live surgeries:

- Myxomatous mitral valve degeneration.
- Endoscopic aortic valve replacement.
- Can we avoid full sternotomy for valve surgery?

### 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 in a porcine beating heart model

**FACULTY**

Akhyari Payam, DE

Alfieri Ottavio, IT

Andreas Martin, AT

Babliak Oleksandr, UA

Balkhy Husam, USA

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Girdauskas Evaldas, DE

Glauber Mattia, IT

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Grabenwöger Martin, AT

Grimm Michael, AT

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Kempfert Jörg, DE

Khargi Krishna, CH

Krapf Christoph, AT

Lakew Fitsum, DE

Laufer Günther, AT

Maesen Bart, NL

Mair Peter, AT

Müller Ludwig, AT

Nikoloudakis Nikolaos, GR

Oto Öztekin, TR

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Perier Patrick, FR

Pfannmüller Bettina, DE

Pitsis Antonios, GR

Pomar Jose-Luis, ES

Quintana Eduard, ES

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Schachner Thomas, AT

Seitelberger Rainald, AT

Siepe Matthias, CH

Stastny Lukas, AT

Suwalski Piotr, PL

Treede Hendrik, DE

Van Praet Frank, BE

Velik-Salchner Corinna, AT

Vola Marco, FR

von Bardeleben Ralph Stephan, DE

Vötsch Andreas, AT

Walther Thomas, DE

Yadav Rashmi, UK

Zacharias Joseph, UK

Zannis Konstantinos, FR

Zierer Andreas, AT

Zimpfer Daniel, AT

## SCIENTIFIC PROGRAM

DAY 1, Sunday, September 10, 2023

### Barlow's disease – a myth?

**13:00 - 14:00**    **Workshop 1:**  
**Morphology and pathophysiology of “Barlow’s”**  
**Chair: Pomar J-L, Dumfarth J**

The genetics of myxomatous degeneration

*Gollmann-Tepeköylü C*

Echo findings in a nut-shell

*Berrebi A*

Multimodality imaging for surgical repair

*Delgado V*

**14:00 - 15:30**    **Workshop 2:**  
**Barlow’s disease treatment**  
**Chair: Reichenspurner H, De Paulis R**

*Barlow: a condition for valve repair and not replacement*

The cut and sew technique is still valid

*van Praet F*

Loops and ring: for all patients

*Kempfert J*

When is a single ring enough?

*Färber G*

Edge-to edge repair and ring: a reproducible way

*De Bonis M*

MAC: the late face of Barlow’s disease

*Bonaros N*

**15:30**            **Coffee break**

**16:00 - 18:00**    **Workshop 3:**  
**The theory behind it...**  
**Chair: Perier P, Alfieri O**

...mitral annular disjunction

*Garbi M*

...functional prolapse

*Zannis K*

...SAM

*Quintana E*

**Live-in-a-box: How I...**

...treat Barlow’s disease with anatomical prolapse?

*Siepe M*

...treat Barlow’s disease with functional prolapse?

*Höfer D*

...repair a Barlow mitral valve with annular calcifications?

*Doenst T*

...treat SAM in a second cross-clamp?

*Benussi S*

**18:00**            **End of Day 1**

## SCIENTIFIC PROGRAM

### DAY 2, Monday, September 11, 2023

#### 08:30 - 09:00 **Welcome**

Introductory lectures:

MVR, Carpentier, Barlow and beyond

The theory behind open annuloplasty rings in Barlow's disease

*Müller L*

*De Paulis R*

#### 09:00 - 12:00 **Live surgeries transmitted from OR**

**Moderator:** *Reichensperner H*

**Panel:** *Fischlein T, Laufer G, Glauber M, Holubec T, Özpeker C*

Case presentation

##### **Live case 1**

Endoscopic AVR

**Surgeons:** Pitsis A, Nikoloudakis N, Krapf C

**Learning objectives:** Access, aortotomy & valve exposure, valve implantation

**Facilitators:** Bonaros N, Berrebi A

##### **Live case 2**

Mini-sternotomy AV-MV-surgery

**Surgeons:** Gollmann-Tepeköylü C, Grimm M

**Learning objectives:** Partial sternotomy, cannulation, LA-access, MV exposure

**Facilitators:** Walther T, Berrebi A

#### 10:15 **Coffee break**

**Live-in-a-box 1:** Robotic AVR

*Pereda D*

**Live-in-a-box 2:** Totally endoscopic AVR using sutureless valves

*Vola M*

**Live-in-a-box 3:** Mini-Ozaki

*Holfeld J*

**Live-in-a-box 4:** Transaxillary AVR+MVR

*Di Eusanio M*

#### 12:30 - 13:00 **Lunch break**

## SCIENTIFIC PROGRAM

**DAY 2, Monday, September 11, 2023**

**13:00 - 14:00 The technology corner 1**  
**Chair: Walther T, Khargi K**

Automatic suturing device for artificial chords Andreas M  
Automatic suturing device for valve replacement Zacharias J  
Beating heart neochordae implantation through a transfemoral access von Bardeleben R  
Left Atrial Appendage Occlusion: devices, acceses and pitfalls Castella M

**14:00 - 14:30 Keynote lecture:**  
**Barlow's disease and syndrome: a conflict with history** **Perier P**  
Procedural planning for MVR in Barlow:  
5 questions to the echocardiographer Akhyari P

**14:30 - 17:30 Wetlab: Minimally invasive mitral Simulator:**  
**2 working stations, Avalu Wetlab:** (1 working station / 60 min per training)  
**meeting point: registration desk**

**14:30 - 18:00 Live surgeries transmitted from OR**  
**Moderator: Perier P**  
**Panel: van Praet F, Bianchi G, Doenst T, Seitelberger R, Schachner T**

Case presentation  
**Live case 3**  
Endoscopic MVR (P2-prolaps)  
**Surgeons:** Girdauskas E, Gasser S  
**Learning objectives:** Access, camera placement, valve analysis, artificial chordae-sizing  
**Facilitators:** Conradi I, Berrebi A

**Live case 4**  
Endoscopic MVR (Complex mitral repair)  
**Surgeons:** Bonaros N, Müller L  
**Learning objectives:** remote cannulation, camera placement, valve analysis, repair strategy & technique  
**Facilitators:** Kempfert J, Berrebi A

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

*Presentations during live surgeries: The minimally invasive multiple valve disease corner*  
**Live-in-a-box 5:** Endoscopic transmitral septal myectomy for HOCM Balkhy H  
Sternum-sparing techniques for double valve procedures Bianchi G  
Tricuspid valve repair in minimally invasive mitral surgery  
raises the risk: PRO Walther T  
Tricuspid valve repair in minimally invasive mitral surgery  
raises the risk: CONTRA Borger M  
Concomitant minimally invasive and tricuspid valve surgery: long-term results Pfanmüller B  
**Live-in-a-box 6:** Mini-David-Procedure Holubec T

**18:00**

**End of Day 2**

## SCIENTIFIC PROGRAM

**DAY 3, Tuesday, September 12, 2023**

**08:30 ICU report Surgeon on duty**

Introduction

Grimm M

**Honored guest lecture:  
Opportunities and chances in valve therapy**

**Beyersdorf F**

**09:00 - 12:30 Live surgeries transmitted from OR  
Moderator: Alfieri O  
Panel: Zacharias J, De Paulis R, Zierer A, Pitsis A, Holzinger C**

Case presentation

**Live case 5**

Mini-Sternotomy MVR-TVR

**Surgeons:** Holfeld J, Grimm M

**Learning objectives:** Access MV, TV, valve exposure, repair strategy & technique

**Facilitators:** De Bonis M, Delgado V

**Live case 6**

Endoscopic concomitant MVR-Afib surgery/ Intraclade

**Surgeons:** Kempfert J, Suwalski P, Stastny L

**Learning objectives:** Endoaortic occlusion, left atrial appendage occlusion, LA cryo-ablation

**Facilitators:** Treede H, Delgado V

**10:00 Coffee break**

*Presentations during live surgeries:*

**Live-in-a-box 7:** Endoscopic redo tricuspid on the beating heart

Treede H

**Live-in-a-Box 8:** Robotic MVR

Cerny S

**Live-in-a-Box 9:** Endoscopic mitral replacement

Lakew F

**Live-in-a-Box 10:** Mitral valve repair and coronary surgery  
via left anterior mini-thoracotomy

Babliak O

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

## SCIENTIFIC PROGRAM

**DAY 3, Tuesday, September 12, 2023**

### **13:30 - 14:30 Technology corner 2: The transcatheter alternatives**

**Chair: Treede H, Oto Ö**

TMVI for primary mitral regurgitation

TEER for Barlow's disease

Transapical Neochordae for Barlow

TMVI-Valve-in-Valve for failed bioprosthesis

Conradi L

von Bardeleben R

D' Onofrio A

Bauer A

### **14:30 - 18:00 Live surgeries transmitted from OR**

**Moderator: Pomar J-L**

**Panel: Färber G, Conradi L, Zimpfer D, Grabenwöger M, Yadav R**

Case presentation

#### **Live case 7**

Transaxillary direct vision MVR

**Surgeons:** Kappert U, Hangler H

**Learning objectives:** Access, valve exposure

**Facilitators:** Di Eusanio M, Delgado V

#### **Live case 8**

Endoscopic MVR (functional prolapse with mitral annular disjunction)

**Surgeons:** Höfer D, Müller L

**Learning objectives:** Surgeon's verification of functional prolapse, repair strategy, leaflet treatment

**Facilitators:** Zannis K, Delgado V

### **Coffee break**

*Presentations during live surgeries: A roadmap for Afib treatment*

#### **Live-in-a box 11:**

Thoracoscopic ablation for stand-alone atrial fibrillation

Recommendations and evidence for the pocket in patients with

concomitant valvular heart disease

Clamps and energy sources for atrial ablation

Hybrid ablation for lone AF

Suwalski P

Khargi K

Castella M

Maesen B

**18:00**

**End of Day 3**



## SCIENTIFIC PROGRAM

DAY 4, Wednesday, September 13, 2023

**08:00 - 12:00**    **TEE for surgeons**    **conference room anaesthesiology**

*Tutors: Velik-Salchner C, Mair P*

**08:30 - 16:30**    **Porcine beating heart wetlab**    **seminar room I**  
**(8 groups of 4 - 5 participants)**

*Tutors: Krapl C, Stastny L*

TAVI:

Training of balloon expandable TAVI under fluoroscopy and cardioscopy, 90 min. group

MITRAL:

Training of Mitraclip implantation under TEE and cardioscopy guidance, 90 min. group

Transapical neochordae implantation, 90 min. group

**09:00 - 13:00**    **MIMVS Wetlab I - 3D Endoscopic Training (morning)**    **seminar room II**

*Tutors: Hangler H, Höfer D, Vötsch A*

Practising MIMVS. Focus on shafted instruments, videoendoscopy, knot tying

**14:00 - 18:00**    **MIMVS Wetlab II (afternoon)**    **seminar room II**

*Tutors: Hangler H, Höfer D, Vötsch A*

Identical to MIMVS Wetlab I



**ONLINE REGISTRATION:** <https://registration.maw.co.at/valve23>

**REGISTRATION FEES**

**Preregistration**  
until August 7, 2023

**On site registration**  
after August 7, 2023

**DAY 1 – 3, September 10 – 12, 2023**

<b>Focus valve training course</b>	€ 900.-	€ 1.050.-
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**DAY 4, September 13, 2023**

<b>TEE for surgeons</b>	€ 450.-	€ 550.-
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<b>MIMVS wetlab I (09:00 – 13:00)</b>	€ 450.-	€ 550.-
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<b>MIMVS wetlab II (14:00 – 18:00)</b>	€ 450.-	€ 550.-
MIMVS wetlab II is identical to wetlab I		

<b>Beating heart wetlab</b> (price per session)	€ 300.-	€ 350.-
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<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: Transapical neo-chordae implantation, 08:30-12:00

Group B: Training of TEER under cardioscopy guidance, 13:00-16:30

**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 wetlab</b>	€ 450.-	€ 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/valve23>
- 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 11, 2023**

**Registration Fee: EUR 70.-**

Venue: Villa Blanka, Weiherburggasse 8, 6020 Innsbruck

Time: 19:30

**NOTES**

**SPONSORS AND PARTNERS**



Edwards

