



# FOCUS: Valve 2020

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

*Training minimally invasive valve surgery in the era of interventional valve therapies*

**12<sup>th</sup> Training Course for  
Minimally Invasive Heart Valve Surgery**

**Medical University Innsbruck**

**INNSBRUCK | AUSTRIA | SEPT. 13 – 16, 2020**



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

Dear colleagues and friends!

Continuous proof of the **outstanding results of surgical valve repair and replacement** has never been more important than in our era of rapidly increasing numbers of valve interventions. This is why **minimally invasive valve surgery has to become the standard of care** for the majority of our patients and surgeons must be ready to perform perfect less traumatic procedures in any **heart valve center**. Proof of excellence in valve surgery has to include the routine use of minimally invasive procedures. Only these procedures can be compared to interventional techniques.

Therefore it is more important than ever **to train surgeons in minimally invasive surgery** as well as **interventional techniques**.

**FOCUS Valve 2020** will address these issues providing a proven 4 days training course including **live surgeries transmitted in 3D** from our OR, lectures, how-to-do-it presentations, workshops, **MICS wetlabs** and **valve interventions** in a **beating heart model** from September 13-16, 2020. This makes the course the Ideal teaching activity for teams dedicated to minimally invasive valve surgery. Special attention will be given to minimally invasive mitral valve repair, aortic valve replacement and ablation of atrial fibrillation. **Live surgeries** performed by **internationally renowned surgeons** as well as **surgeons in training** will give testimony for the appropriability of including MICS into cardiac surgical training.

As a complementary educational activity **FOCUS Valve MICS Training Days** have been implemented and will take place first time from February 12-14, 2020.

**FOCUS Valve** is an **educational program** in minimally invasive valve surgery offered by the Department of Cardiac Surgery of Medical University Innsbruck including presentations and live surgeries (Module I), wetlab training (Module II), observership in our OR (Module III) and local proctoring on request (Modul IV).

**Modules II and III** are comprised also in the **MICS Training Days**.

We look forward to welcoming you in Innsbruck!

Ludwig Müller, Michael Grimm  
Nikos Bonaros  
Course Directors

Daniel Höfer  
Scientific Secretary

Ottavio Alfieri, Öztekin Oto  
Patrick Perier, Jose Luis Pomar  
Co - Directors

## **HIGHLIGHTS 2020: Mitral valve prolapse and rheumatic diseases**

### **Live surgeries:**

- OR live transmissions with the most advanced 3D technology

### **Interactive workshops:**

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

### **Wetlabs:**

- Aortic and mitral valve interventions in a porcine beating heart model

**COURSE DIRECTORS:**

Ludwig Müller  
Michael Grimm  
Nikolaos Bonaros

**CO DIRECTORS:**

Ottavio Alfieri  
Öztekin Oto  
Patrick Perier  
Jose Luis Pomar

**SCIENTIFIC SECRETARY:**

Daniel Höfer

**FACULTY (to be completed)**

Andreas Martin, AT  
De Bonis Michele, IT  
Dumfarth Julia, AT  
Ernst Sabine, UK  
Fischlein Theodor, DE  
Folliguet Thierry A., FR  
Freemantle Nicholas, UK  
Gasser Simone, AT  
Girdauskas Evaldas, DE  
Gutierrez Roman Laura, AT  
Gunn Jarmo, FI  
Hausleiter Jörg, DE  
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Holubec Tomas, DE  
Jacobs Stephan, DE  
Klutz Robert J.M., NL  
Kreidel Felix, DE  
Lakew Fitsum, DE  
Liebold Andreas, DE  
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Obadia Jean-Francois, FR  
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Pomar Jose-Luis, ES  
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Vohra Hunaid, UK  
Walther Thomas, DE  
Wiedemann Dominik, AT  
Wunderlich Nina, DE  
Yadav Rashmi, UK  
Zirlik Andreas, AT

## SCIENTIFIC PROGRAM

**DAY 1, Sunday, September 13, 2020**

**main auditorium**

**13:00 - 14:30 Workshop 1:  
Prolapse: Imaging and basic science  
Chair: Bauer A, Folliguet T, Bonaros N**

Quantification of mitral regurgitation	Wunderlich N
Basic science: Mitral valve prolapse	Holfeld J
The science behind repair:	
- Annuloplasty / ring types	De Bonis M
- Pathophysiology of artificial chords and neo-chords	Yadav R

**14:30 - 15:00 Coffee break**

**15:00 - 16:00 Workshop 2:  
Basics of MV repair for prolapse  
Chair: De Bonis M, Alfieri O, Müller L**

The evolution of my approach to leaflet prolapse	Perier P
Evidence for leaflet resection	Van Praet F
Evidence for artificial chords	Walther T

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

**16:30 - 18:00 Workshop 3:  
Video session on repair techniques  
Chair: Vohra H, Treede H, Grimm M**

PML resection	Liebold A
Measuring for appropriate length of artificial chords	Folliguet T
Chordae loops	Holubec T
New echocardiographic findings in Barlow's syndrome	Kreidel F
Functional prolapse	Klautz R
Avoid SAM - treat SAM	Girdauskas E

## SCIENTIFIC PROGRAM

DAY 2, Monday, September 14, 2020		main auditorium
08:30 - 09:00	<b>Welcome</b> Introductory lecture: Biases in randomized trials	Grimm M, Bonaros N Müller L
09:00 - 12:30	<b>Live surgeries transmitted from OR</b> <b>Moderation: Pomar J-L</b> <b>Panel: Girdauskas E, Fischlein T, Holubec T, Oto Ö</b>  Case presentation <b>Live case 1</b> Mini-thoracotomy (ART) aortic valve replacement Surgeons: Mahr S/Lauffer G <b>Learning objectives:</b> Right anterior minithoracotomy access, exposure, cannulation, prosthesis selection (rapid deployment valves vs. standard) <b>Live case 2</b> Partial sternotomy for aortic valve replacement Surgeons: Zujs V/ Grimm M <b>Learning objectives:</b> Learning objectives: Minimally invasive AVR in surgical training, hemisternotomy, cannulation, exposure <b>Discussion of strategies: Panel</b>	Stasny L
<b>Coffee break</b> Presentations during live surgeries: <b>Valve selection between 50 and 70 years:</b> pro: Biological pro: Mechanical Update on sutureless / rapid deployment valves Summary Aortic valve prosthesis selection		
09:00 - 12:00	<b>Wetlab: Artificial chordae implantation and valve sizing</b> <b>Tutor: Sakic A</b> (parallel during live surgeries – 2 working stations, 60 min training)	Wiedermann D Gunn J Andreas M Fischlein T
12:30 - 13:00	<b>Lunch break</b>	

## SCIENTIFIC PROGRAM

DAY 2, Monday, September 14, 2020

main auditorium

**13:00 - 13:45**    **Workshop 4:**  
**Transcatheter mitral valve therapies**  
**Chair: Grimm M, Laufer G, Bauer A, Zirlik A**

Transapical neochordae  
Interventional edge-to edge repair for leaflet prolapse  
TMVI

Walther T  
Hausleiter J  
Treede H

**Honored guest lecture: Ebstein's anomaly**

**Perier P**

**14:15 - 14:30**    **Coffee break**

**14:30 - 18:00**    **Live surgeries transmitted from OR**  
**Moderation: Pomar J-L**  
**Panel: Walther T, Obadia J-F, Doll K.-N., Özpeker C**

Case presentation

Gasser S

**Live case 3**

Totally endoscopic MV repair

Surgeons: Bonaros N/ Müller L/ Stastny L

**Learning objectives:** Team approach, cannulation, cardioplegia, port placement, valve exposure, chordae loops, annuloplasty

**Live case 4**

The pragmatic approach: Direct vision MV repair

Surgeon: Jacobs S

**Learning objectives:** Essentials of mini-thoracotomy MV repair

**Discussion of strategies: Panel**

**Coffee break**

*Presentations during live surgeries:*

*Typical failures in MIC mitral valve surgery*

Cannulation, myocardial protection and deairing

Access, port placement, mitral/ tricuspid valve exposure

Sizing and fixation of artificial chordae, ring selection and implantation

**Live-in-a-box:** Beating heart tricuspid annuloplasty

Obadia J-F

Vohra H

Solinas M

Treede H

**14:30 - 17:30**    **Wetlab: Artificial chordae implantation and valve sizing**    seminar room  
**Tutor: Sakic A** (parallel during live surgeries – 2 working stations, 60 min training)

**End of Day 2**

## SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 15, 2020		main auditorium
<b>08:30</b>	<b>ICU report</b>	<b>Surgeon on duty</b>
	<b>Key note address: Industry sponsored vs. academic studies in cardiac surgery</b>	Freemantle N
	Program development and results after 20 years of MIC mitral valve surgery	Bonaros N
<b>09:00 - 12:30</b>	<b>Live surgeries transmitted from OR</b> <b>Moderation: Perier P</b> <b>Panel: Solinas M, Pfannmüller B, Holfeld J, Suwalski P</b>	
	Case presentation	Gutierrez Roman L
	<b>Live case 5</b>	
	Cryoablation and left appendage occlusion concomitant with MV repair	
	Surgeon: Doll K-N	
	<b>Learning objectives:</b> Energy sources, ablation lines, LAA occlusion	
	<b>Live case 6</b>	
	Hemisternotomy MV+TV repair	
	Surgeons: Dumfarth J, Grimm M	
	<b>Learning objectives:</b> Hemisternotomy access to the mitral and tricuspid valves, MV and TV repair strategy and technique	
	<b>Discussion of strategies: Panel</b>	
	<b>Coffee break</b>	
	<i>Presentations during live surgeries:</i>	
	Atrial fibrillation ablation	Ernst S
	Tricuspid valve repair: Indications and outcomes	Pfannmüller B
	Interventional tricuspid valve repair	Zirlik A
<b>12:30 - 13:30</b>	<b>Lunch break</b>	

## SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 15, 2020

main auditorium

**13:00 - 13:45**    **Workshop 5:**  
**Underappreciated: Rheumatic mitral valve disease**  
**Chair: TBA**

Epidemiology  
The different faces of rheumatic valve disease  
Repair techniques

TBA  
TBA  
Oto Ö

**14:15 - 18:00**    **Live surgeries transmitted from OR**  
**Moderation: Perier P**  
**Panel: Grimm M, Dumfarth J, Liebold A, Oto Ö**

Case presentation

Nägele F

**Live case 7**

Endoscopic prosthetic mitral valve replacement  
Surgeons: Höfer D, Müller L, Gasser S

**Learning objectives:** Valve selection, orientation, fixation

**Live case 8**

Advanced endoscopic mitral valve repair  
Surgeons Girdauskas E

**Learning objectives:** Advances repair strategies

**Discussion of strategies: Panel**

*Presentations during live surgeries:*

**Live-in-a box** presentations

MV repair for functional regurgitation  
Endoscopic ablation and LAAO for stand alone AF  
Ozaki aortic valve procedure  
Hemisternotomy MV surgery

Lakew F  
Suwalski P  
Holfeld J  
Özpeker C  
Perier P

**Summary**

**Adjourn – End of Day 3**



## SCIENTIFIC PROGRAM

DAY 4, Wednesday, September 16, 2020

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

Velik-Salchner C, Mair P

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

Tutors: Bonaros N, Metzler B, Friedrich G, Pözl G, Hintringer F, Müller S, Adukauskaitė A  
Training of Mitraclip implantation under TEE and cardioscopy guidance, 90 min. group  
Training of balloon expandable TAVI under fluoroscopy and cardioscopy, 90 min. group

**09:00 - 13:00**    **MIMVS Wetlab I (morning)**    **seminar room II**

Tutors: Hangler H, Höfer D  
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  
identical to wetlab I

**ONLINE REGISTRATION:** <https://registration.maw.co.at/valve20>

## REGISTRATION FEES

**Preregistration**  
until SEPT. 1, 2020

**On site registration**  
after SEPT. 1, 2020

DAY 1 – 3, September 13 – 15, 2020				
<b>Focus valve training course</b>		€ 800.-		€ 950.-
DAY 4, September 16, 2020				
<b>Intraoperative TEE</b> 08:00 -12:00, Limited registration		€ 400.-		€ 500.-
<b>MIMVS wetlab I (morning)</b> 09:00 – 13:00 (identical to wetlab II)		€ 400.-		€ 500.-
<b>MIMVS wetlab II (afternoon)</b> 14:00 – 18:00 (identical to wetlab I)		€ 400.-		€ 500.-
<b>Beating heart wetlab</b> (price per session)		€ 250.-		€ 300.-
<u>TAVI sessions</u>	8:30-10:00	10:30-12:00	13:00-14:30	15:00-16:30
<u>Mitral sessions</u>	8:30-10:00	10:30-12:00	13:00-14:30	15:00-16:30
<b>Combo Beating heart wetlab</b>		€ 400.-		€ 500.-

**Registration fees include admittance to scientific sessions (incl. coffee and lunch breaks). Residents and nurses are entitled to a 50% discount. Medical students can register free of charge.**

### MEET AND GREET

Monday, September 14, 2020, – 19.00 PM, Villa Blanka      Costs per person: EUR 45.- (incl. 20% VAT)

### TEAM REGISTRATION:

Bring your team colleagues to Focus Valve and save up to 50% of the Registration and Workshop fees. Just use the team code of your registration confirmation mail to receive a group discount for further registrations (up to 5 team members).

### CANCELLATION:

Cancellation must be done in writing to [valve@maw.co.at](mailto:valve@maw.co.at) before September 1, 2020. The registration fee will be refunded less € 50.- service fee.

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## GENERAL INFORMATION

### COURSE DIRECTORS

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Michael GRIMM  
Nikolaos BONAROS

### CO DIRECTORS:

Ottavio ALFIERI  
ÖtzeKin OTO  
Patrick PERIER  
Jose Luis POMAR

### SCIENTIFIC SECRETARY

Daniel HÖFER  
Department of cardiac surgery  
Medical University, Innsbruck

### COURSE LOCATION

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

### CONGRESS CONTACT

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### CONGRESS ORGANIZER



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## Information about

**ONLINE REGISTRATION**  
**HOTEL RESERVATION**  
**INVITATION LETTER FOR VISA APPLICATION**



**please visit: [www.focusvalve.org](http://www.focusvalve.org)**