



FOCUS: Valve 2018

8 live surgeries in 3D - workshops - wetlabs

10th Training Course for
Minimally Invasive Heart Valve Surgery

Medical University Innsbruck

INNSBRUCK | AUSTRIA | SEPT. 16 – 19, 2018



www.focusvalve.org

Dear colleagues and friends!

Less invasive approaches to the heart valves are a quality-related requirement for those who deal with cardiac valve disease. Due to recent developments of technique and technology each patient has a right to receive the **most appropriate, i.e. most curative, long-lasting and least debilitating treatment** from a broad spectrum of surgical and interventional therapies.

In its **10th Anniversary FOCUS Valve** will provide physicians with newest information on less invasive valve treatment. More than ever surgeons have the obligation to be the case managers of heart valve patients. No other specialist has such in-depth knowledge of the pathological anatomy and pathophysiology of valvular disease and has all the treatment options at hand. It is our obligation to select the most appropriate procedure for the individual patient - be it surgical or interventional - and to perform at the highest standard.

Focus Valve 2018 will feature a **comprehensive practical course** on minimally invasive surgical and interventional therapy of valvular disease.

Heart surgeons must not restrict themselves to classical surgical techniques anymore - be it minimally invasive or full sternotomy - but must have also **profound knowledge and skills in interventional techniques**. Only then the **Heart Team** comprising surgeons, cardiologists and anesthesiologists will come alive for the benefit of the patient.

To meet these demands **Focus Valve 2018** will include **workshops, live surgeries and wetlab training in minimally invasive surgical and interventional techniques**.

FOCUS Valve is part of a **four module educational program** in minimally invasive valve surgery offered by the Department of Cardiac Surgery of Medical University Innsbruck comprising presentations and live surgeries (Module I), wetlab training (Module II), team visits to our OR by separate appointment (Module III) and local proctoring on request (Modul IV).

Looking forward to welcoming you in Innsbruck!

Ludwig Müller & Michael Grimm
Course directors

Nikos Bonaros
Scientific secretary

Highlights 2018:

Interactive workshops:

Echocardiography

MICS techniques for aortic, mitral, tricuspid and atrial fibrillation interventions and surgery

Live surgeries:

OR live transmissions with the most advanced 3-D technology

Wetlabs:

MICS hands-on training with 3-D imaging technology

Aortic and mitral valve interventions in a porcine beating heart model

LEARNING OBJECTIVES

- Minimally invasive access for valve surgery
- Patient selection
- Preoperative imaging
- Mini-thoracotomy and partial sternotomy
- Cannulation strategies
- Repair techniques for mitral and tricuspid valve
- 3D videoendoscopy
- Prosthetic valve selection
- Intraoperative echocardiography for surseons
- Atrial fibrillation
- Trouble shooting
- Teaching minimally invasive valve surgery
- Starting a minimally invasive valve program
- Wire skills
- Transcatheter interventions in aortic, mitral and tricuspid valves
- Patient selection for interventional therapy
- Role of the heart team
- Wetlab training of minimally invasive mitral surgery
- Wetlab interventional valve therapy in a porcine beating heart simulator

COURSE DIRECTORS:

Ludwig Müller, Michael Grimm

CO-DIRECTOR:

Jose-Luis Pomar, Spain

SCIENTIFIC SECRETARY:

Nikos Bonaros, Austria

FACULTY (to be completed!)

Agne Adukauskaitė, Austria
Ottavio Alfieri, Italy
Ralph Stephan von Bardeleben,
Germany
Carmine Bevilacqua, Germany
Michele De Bonis, Italy
Anno Diegeler, Germany
Kai-Nicolas Doll, Germany
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Guy Friedrich, Austria
Mattia Glauber, Italy
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Martin Grabenwöger, Austria
Christian Hagl, Germany
Herbert Hangler, Austria
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Christoph Holzinger, Austria
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Günther Laufer, Austria
Andreas Liebold, Germany
Georg Lutter, Germany
Peter Mair, Austria
Agnes Mayr, Austria
Bernhard Metzler, Austria
Silvana Müller, Austria
Paulo Neves, Portugal
Alessandro Parolari, Italy
Patrick Perier, Germany
Gerhard Pözl, Austria
Frank Van Praet, Belgium
Roman Przybylski, Poland
Hermann Reichenspurner, Germany
Mauro Rinaldi, Italy
Stefano Salizzoni, Italy
Peyman Sardari Nia, Netherlands
Jörg Seeburger, Germany
Rainald Seitelberger, Austria
Severin Semsroth, Austria
Piotr Suwalski, Poland

Maurizio Taramasso, Schweiz
Corinna Velik-Salchner, Austria
Emmanuel Villa, Italy
Hunaid Vohra, United Kingdom
Thomas Walther, Germany
Wilfried Wisser, Austria
Rashmi Yadav, United Kingdom
Joseph Zacharias, United Kingdom
Andreas Zierer, Austria

ORGANIZING FACULTY

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Vitalijs Zujs, Austria

Preview to FOCUS Valve 2018

- In 2018 **most time will be devoted to live surgeries transmitted in 3D** with the task given to the international expert panels to discuss the demonstrated surgical strategies and techniques and share their personal experiences on specific topics. By that strictly frontal presentations will be kept to a minimum.
- Day 1 of FOCUS Valve will comprise **workshops on TEE and surgical and interventional heart valve techniques with live-in-a-box cases.**
- Days 2 and 3 will mainly include **minimally invasive live surgeries employing mini-thoracotomy and partial sternotomy.** Transmissions are exclusively in 3D. Renowned surgeons from European cardiac surgical centers will perform live surgeries, demonstrating their specific individual approach and technique.
- **Lectures on techniques and strategies** for MICS will be included between surgeries.
- **Individualized wetlab sessions** on artificial chordae implantation and valve sizing
- **Lunch workshops** on patient selection and imaging
- Day 4 will be devoted to hands-on training:
 - A porcine beating heart model will be used for training of transcatheter aortic and mitral valve techniques. Every participant can perform transcatheter aortic and mitral valve procedures on a high fidelity simulator using fluoroscopy and TEE. An intracardiac camera will give immediate feedback.
 - MICS surgical techniques (use of long shafted instruments, videoendoscopic surgery of the mitral valve) will be trained by the use of arrested pig hearts with 2D and 3D video equipment.
 - A course on transesophageal echocardiography for surgeons will complete the program.

SCIENTIFIC PROGRAM

DAY 1, Sunday, September 16, 2018

main auditorium

13:00 - 14:30 Workshop 1: Echocardiography for mitral valve surgery and interventions with case presentations and interactive discussions

Panel: *Nikolaos Bonaros, Rainald Seitelberger, Julia Dumfarth*

TEE basics for surgeons' interaction
with the echocardiographer
Intraoperative evaluation of MV Repair
Echo imaging in functional MR
Cardiac MRI in FMR

Carmine Bevilacqua, Leipzig
Peter Mair, Innsbruck
Christian Ebner, Linz
Agnes Mayr, Innsbruck

14:30 - 15:00 Coffee break

15:00 - 16:30 Workshop 2: Live-in-a-box session aortic valve, FMR and beyond

Panel: *Günther Laufer, Peyman Sardari Nia, Severin Semsroth*

RAT AVR with sutureless valve *Paulo Neves, Vila Nova de Gaia*
RAT AVR with rapid deployment valve *Alfred Kocher, Vienna*
AVR: preferred technique in an academic cardiac surgery center *Christian Hagl, Munich*
Partial sternotomy for Bentall operation *Piotr Suwalski, Warsaw*
Posterior leaflet augmentation for FMR *Anno Diegeler, Bad Neustadt*
MIC papillary muscle relocation *Hermann Reichenspurner, Hamburg*
The original Aalst technique for endoscopic MV repair *Frank Van Praet, Aalst*
New frontiers in total endoscopic surgery *Andreas Liebold, Ulm*

16:30 - 17:00 Coffee break

17:00 - 18:30 Workshop 3: Live-in-a-box session mitral valve and AF

Panel: *Andreas Liebold, Emmanuel Villa, Wilfried Wisser*

Direct aortic cannulation for minithoracotomy MV surgery *Mattia Glauber, Milan*
Endoaortic balloon occlusion *Mauro Rinaldi, Turin*
MICS MIV surgery after prior right sided thoracotomy *Joseph Zacharias, Blackpool*
Drylab endoscopic mitral valve repair *Peyman Sardari Nia, Maastricht*
Beating heart transapical MV repair *Rashmi Yadav, London*
Endoscopic transthoracic bipolar ablation *Kai Nicolas Doll, Stuttgart*
MICS cryoablation *Kai Nicolas Doll, Stuttgart*
Porcine beating heart for mitral and aortic interventions *Can Tepekyözü, Innsbruck*

SCIENTIFIC PROGRAM

DAY 2, Monday, September 17, 2018

main auditorium

08:30 - 12:30 **Welcome**

Michael Grimm, Ludwig Müller, Innsbruck

Key note address:

Future training in cardiac surgery: Maneuvering between Skylla and Charybdis

Ottavio Alfieri, Milan

Live Cases: Moderation Jose-Luis Pomar, Barcelona

Panel: *Anno Diegeler, Christian Hagl, Hermann Reichenspurner, Mattia Glauber*

Case presentation

Can Gollmann-Tepeköylü, Innsbruck

Live case 1

Minithoracotomy (RAT) aortic valve replacement with automated knot fastener
Surgeon: Günther Laufer, Vienna

Learning objectives:

Right anterior minithoracotomy access, exposure, cannulation, prosthesis selection (rapid deployment valves vs. standard)

Discussion of strategies

Live case 2

Partial sternotomy for combined MV-AV surgery
Surgeon: Michael Grimm, Innsbruck

Learning objectives:

J-hemisternotomy approach, cannulation, valve exposure, valve repair/replacement

Panel

10:15 - 10:35 **Coffee break**

Presentations during live surgeries:

Changing paradigms in AVR
Sutureless or sutured valves: The PERSIST trial
Durability issues: TAVI or surgical valves

Severin Semsroth, Innsbruck

Emmanuel Villa, Brescia

Thomas Walther, Frankfurt

12:30 - 13:15 **Lunch break**

SCIENTIFIC PROGRAM

DAY 2, Monday, September 17, 2018

main auditorium

13:15 - 14:15 Lunch Workshop: TMVR and MIMVS: Guide to patient selection

Chair: Günther Laufer, N.N., Ottavio Alfieri, Joseph Zacharias

Partial sternotomy vs. minithoracotomy

Ludwig Müller, Innsbruck
and Hunaid Vohra, Bristol

Aortic occlusion: The case for endoballoon

Mauro Rinaldi, Turin

The case for transthoracic clamp

Hunaid Vohra, Bristol

Advanced 3D image processing

Peyman Sardari Nia, Maastricht

14:15 - 14:30 Coffee break

14:30 - 18:00 Live Cases: Moderation Jose-Luis Pomar, Barcelona

Panel: Thomas Walther, Rashmi Yadav, Michele De Bonis, Jörg Seeburger,
Alessandro Parolari

Case presentation

Can Gollmann-Tepeköylü, Innsbruck

Live case 3

Totally endoscopic MV surgery
Surgeons: Daniel Höfer, Innsbruck,
Ludwig Müller, Innsbruck

Learning objectives:

Team approach, cannulation, cardioplegia,
port placement, valve exposure, chordae
loops, annuloplasty

Discussion of strategies

Live case 4

Automated suturing for mitral replacement
Surgeon: Nikolaos Bonaros, Innsbruck

Learning objectives:

demonstration of innovative suturing
technique, patient selection

Panel

15:30 - 16:00 Coffee break

Presentations during live surgeries:

CPB and myocardial protection

Frank Van Praet, Aalst

Stroke risk in minimally invasive surgery

N.N.

Aortic valve repair with porcine decellularized matrix

Roman Przybyski, Krakow

18:00

End of Day 2

SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 18, 2018

main auditorium

08:30 - 12:30

Panel: *Hunaid Vohra, Andreas Zierer, Mauro Rinaldi, Kai-Nicolas Doll,
Alessandro Parolari*

ICU report and case presentation
MV repair for FMR

*Can Gollmann-Tepeköylü, Innsbruck
Michele De Bonis, Milan*

Live Cases: Moderation Jose-Luis Pomar, Barcelona

Live case 5

Totally endoscopic repair for
anterior/bileaflet prolapse
Surgeon: *Patrick Perier, Paris*

Learning objectives:

Skin incision, port placement, valve
exposure, repair strategy

Discussion of strategies

Live case 6

Intraaortic balloon occlusion
for MV surgery
Surgeon: *Frank Van Praet, Aalst*

Learning objectives:

Cannulation for intraaortic balloon
occlusion, monitoring, patient selection

Panel

Coffee break

Presentations during live surgeries:

Innsbruck: Results MIMVS
Chordal replacement
Materials for artificial chords

*Daniel Höfer, Innsbruck
Joerg Seeburger, Leipzig
Ludwig Müller, Innsbruck*

12:00 - 12:45

Lunch break

12:45 - 14:00

Lunch Workshop: Imaging for valve interventions

Panel: *Nikolaos Bonaros, Frank van Praet, Piotr Suwalski, Roman Przybyłski*

Echo imaging for mitral valve interventions
Fusion imaging
Transcatheter mitral valve replacement

*Ralph Stephan van Bardeleben, Mainz
Maurizio Taramasso, Zürich
Georg Lutter, Kiel*

Coffee break

14:15 - 14:35

Honoured guest lecture:

From the French Correction to endoscopic mitral valve repair

Patrick Perier, Paris

SCIENTIFIC PROGRAM

DAY 3, Tuesday, September 18, 2018

main auditorium

14:35 - 17:30 Live Cases: Moderation Jose-Luis Pomar, Barcelona

Panel: *Patrick Perier, Martin Grabenwöger, Georg Lutter, Christoph Holzinger*

Case presentation

Can Gollmann-Tepeköylü, Innsbruck

Live case 7

Totally endoscopic left atrial ablation
without atriotomy

Surgeon: *Kai Nicolas Doll, Stuttgart*

Learning objectives:

Access, dissection for totally endoscopic
bipolar AF ablation

Discussion of strategies

Innsbruck results interdisciplinary program of
transcatheter mitral valve interventions therapy

Evolution of minimally invasive valve surgery in an
academic training center

Live case 8

Totally endoscopic MV+TV repair

Surgeons: *Ludwig Müller, Daniel Höfer,*

Innsbruck

Learning objectives:

MV repair strategy and technique, access
to tricuspid valve, tricuspid valve repair

Panel

Johannes Holfeld, Innsbruck

Michael Grimm, Innsbruck

17:30

Summary, Adjourn – End of Day 3

SCIENTIFIC PROGRAM

DAY 4, Wednesday, September 19, 2018

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

Corinna Velik-Salchner, Peter Mair

Theoretical and practical aspects of TEE for surgeons. Hands on in the cardiac OR in small groups. Limited number of participants.

08:30 - 16:30 **Porcine beating heart wetlab** **seminar room III**

- Part I: Mitraclip implantation under TEE and cardioscopy guidance
Part II: Beating heart off-pump implantation of artificial chordae for under TEE and cardioscopy guidance
- Training of balloon expandable TAVI under fluoroscopy and cardioscopy guidance

90 minutes, 5 participants per group

Tutors: Nikolaos Bonaros, Bernhard Metzler, Guy Friedrich, Gerhard Pözl, Florian Hintringer, Silvana Müller, Agne Adukauskaitė, Stefano Salizzoni

09:00 - 13:00 **Wetlab I (identical to Wetlab II)** **seminar room II**

- Practising MIMVS. Focus on shafted instruments, videoendoscopy, knot tying
- Automated suturing and knotting for aortic and mitral valve replacement

Tutors: Herbert Hangler, Daniel Höfer

14:00 - 18:00 **Wetlab II (identical to Wetlab I)** **seminar room II**

- Practising MIMVS. Focus on shafted instruments, videoendoscopy, knot tying
- Automated suturing and knotting for aortic and mitral valve replacement

Tutors: Herbert Hangler, Daniel Höfer

ONLINE REGISTRATION: <https://registration.maw.co.at/valve18>

REGISTRATION FEES

Preregistration
until SEPT. 2, 2018

On site registration
after SEPT. 2, 2018

DAY 1 – 3, Sunday, September 16 – 18, 2018

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| Focus valve training course | € 800.- | € 950.- |
|------------------------------------|---------|---------|

DAY 4, Sunday, September 19, 2018

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| Intraoperative TEE 08:00 - 12:00, limited registration | € 400.- | € 500.- |
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| MICS wetlab I (morning) 09:00 – 13:00 (identical to wetlab II) | € 400.- | € 500.- |
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| MICS wetlab II (afternoon) 14:00 – 18:00 (identical to wetlab I) | € 400.- | € 500.- |
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| Beating heart wetlab (price per session) | € 250.- | € 300.- |
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|------------------------|------------|-------------|-------------|-------------|
| <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 |

Physicians in training are entitled to a 50% discount, medical students can register free of charge.

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|-----------------------------------|---------|---------|
| Combo Beating heart wetlab | € 400.- | € 500.- |
|-----------------------------------|---------|---------|

MEET AND GREET, Monday, Sept. 17, 2018 € 45.- (per pers.)

Prices in EURO including 20% VAT

Registration fees include admittance to scientific sessions (incl. coffee and lunch breaks) charge, residents: 50% discount)
Cancellation must be done in writing to the congress secretariat before September 2, 2018. The registration fee will be refunded less € 50.- service fee. You will receive your registration confirmation after receipt of payment.

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 in your registration confirmation to receive a group discount (up to 5 team members).

Online Registration: <https://registration.maw.co.at/valve18>

GENERAL INFORMATION

CONGRESS CONTACT

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COURSE LOCATION

LKI/Universitätskliniken Innsbruck
Chirurgie (Building no. 8)
Grosser Hörsaal (main auditorium)
Entrance Innerkoflerstrasse, 6020 Innsbruck, Austria

CONGRESS ORGANIZER



MAW – Medizinische Ausstellungs- und Werbe-gesellschaft
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ONLINE REGISTRATION

<https://registration.maw.co.at/valve18>

HOTEL RESERVATION

<https://www.innsbruck.info/en/congress/valve>

A limited number of rooms are available for participants of Focus Valve in the following hotel:
Hotel Penz Innsbruck ****
Adolf-Pichler-Platz 3
6020 Innsbruck, Austria
Phone: +43 512 57 56 57 - 57
Email: oliver.singewald@thepenz.com
Web: www.the-penz.com/
Contact: Mr. Oliver Singewald
Booking code: Focus Valve

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