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

www.focusvalve.org
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

GENERAL INFORMATION

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CO DIRECTORS
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FACULTY
Coming soon

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FOCUS VALVE PARTNERS
ECS – Endoscopic Cardiac Surgeons Club
www.ecsclub.org
Heart and Health Foundation of Turkey
www.tksv.org/en

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

CREDITS
CME Credits for this event will be proceeded.

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SCIENTIFIC PROGRAM

DAY 1, Sunday, September 15, 2024

Valve Surgery under RE-CONSTRUCTION

13:00 – 14:30 Session 1: Data affecting daily practice

The UK Mini-mitral study
New tissue valves data
Anticoagulation for mechanical prostheses
The CEASE-AF study for persistent AF
Risk stratification in tricuspid regurgitation: the TRI-Score

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

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.

<table>
<thead>
<tr>
<th>BLOCK 1</th>
<th>Case presenter Innsbruck</th>
<th>Surgeon</th>
<th>Commentator</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Primary MR – flail leaflet</td>
<td>Selection of surgical techniques</td>
<td>Definitions</td>
</tr>
<tr>
<td></td>
<td>• simple P2 – flail</td>
<td>• resection</td>
<td>• flail/ prolapse</td>
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<tr>
<td></td>
<td>• AML flail</td>
<td>• artificial chordae</td>
<td>• chordal rupture vs elongation</td>
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<td></td>
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<td>• commissural anatomy</td>
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</table>

<table>
<thead>
<tr>
<th>BLOCK 2</th>
<th>Case presenter Innsbruck</th>
<th>Surgeon</th>
<th>Commentator</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Primary MR – Barlow</td>
<td>Selection of surgical techniques</td>
<td>Definitions</td>
</tr>
<tr>
<td></td>
<td>• P2 flail – myxomatous degeneration</td>
<td>• resection</td>
<td>• anatomy and histology of Barlow’s disease</td>
</tr>
<tr>
<td></td>
<td>• bi-leaflet prolapse</td>
<td>• artificial chordae</td>
<td>• Identities</td>
</tr>
<tr>
<td></td>
<td>• functional prolapse – MAD</td>
<td>• alternative techniques</td>
<td>• MAD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BLOCK 3</th>
<th>Case presenter Hamburg/ Augsburg</th>
<th>Surgeon</th>
<th>Commentator</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Secondary MR</td>
<td>Selection of surgical techniques</td>
<td>Definitions</td>
</tr>
<tr>
<td></td>
<td>• atrial MR</td>
<td>• ring and run</td>
<td>• atrial MR: causes and prognosis</td>
</tr>
<tr>
<td></td>
<td>• ventricular MR w/o tethering</td>
<td>• subvalvular techniques</td>
<td>• ventricular MR: Impact of revascularization</td>
</tr>
<tr>
<td></td>
<td>• ventricular MR with tethering</td>
<td>• replacement</td>
<td></td>
</tr>
</tbody>
</table>

16:00 - 16:30 Coffee break
### Workshop 2: Case-based learning in tricuspid disease

#### BLOCK 1
**Case presenter Mainz**
Secondary atrial TR  
- concomitant MR  
- isolated TR

**Surgeon**
Selection of surgical techniques  
- ring and run  
- beating heart surgery

**Commentator**
Definitions  
- etiology and prognosis of atrial TR  
- indications for treatment in concomitant TR  
- indications for treatment in isolated TR

#### BLOCK 2
**Case presenter Jena**
Secondary ventricular TR  
- concomitant MR  
- isolated TR

**Surgeon**
Selection of surgical techniques  
- ring and run  
- subvalvular techniques

**Commentator**
Definitions  
- TAPSE  
- RV-PA coupling  
- indications for treatment

#### BLOCK 3
**Case presenter Milan**
Primary TR  
- leaflet prolapse  
- traumatic TR

**Surgeon**
Selection of surgical techniques  
- artificial chordae  
- kay  
- replacement

**Commentator**
Definitions  
- RV papillary muscle anatomy  
- bicuspidalization edge-to-edge

18:00  
End of Day 1
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

09:00 – 12:00 Live surgeries

Case presentations live from the OR

Live surgery 1
Transaxillary AVR
Surgeon: TBA
Learning objectives: TBA

Live surgery 2
Endoscopic AVR
Surgeon: TBA
Learning objectives: TBA

Discussion of strategies: Panel

10:00 – 10:30 Coffee break

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

12:00 – 13:00 Lunch break

13:00 – 14:00 Technology corner
Beating heart neochords for complex pathologies
Transseptal beating heart neochords
Emerging valves for TTVI
TEER for complex pathologies

14:00 – 14:30 Keynote lecture: Mitral valve repair 2030: End of story for surgery?

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DAY 2, Monday, September 16, 2024

14:30 – 18:00 Live surgeries

Case presentations live from the OR
Live surgery 3
Endoscopic MV LAAO/LA Ablation
Surgeon: TBA
Learning objectives: TBA

Live surgery 4
Endoscopic MV
Surgeon: TBA
Learning objectives: TBA

Discussion of strategies: Panel

16:00 – 16:30 Coffee break

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

18:00 End of Day 2
DAY 3, Tuesday, September 17, 2024

08:30  ICU report

08:35 – 09:00  The most important thing in mitral valve surgery is the tricuspid valve

09:00 – 12:30  Live surgeries

  Case presentations live from the OR

  **Live surgery 5**
  MIC MVR/TVR
  Surgeon: TBA
  **Learning objectives:** TBA

  **Live surgery 6**
  Ministernotomy double valve surgery
  Surgeon: TBA
  **Learning objectives:** TBA

  **Discussion of strategies: Panel**

10:30 - 11:00  Coffee break

  **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

12:30 – 13:30  Lunch break

13:30 – 14:30  **My best tricks...**

  ... 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
14:30 – 18:00  Live surgeries

Case presentations live from the OR

Live surgery 7
Transaxillary mitral valve surgery
Surgeon: TBA
Learning objectives: TBA

Live surgery 8
Endoscopic MV
Surgeon: TBA
Learning objectives: TBA

Discussion of strategies: Panel

Coffee break

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

18:00  End of day 3
## SCIENTIFIC PROGRAM

### DAY 4, Wednesday, September 18, 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 – 12:00</td>
<td>TEE for surgeons</td>
<td></td>
</tr>
<tr>
<td>08:30 – 16:30</td>
<td>Porcine beating heart wetlab (8 groups of 4-5 participants, 90 minutes per group)</td>
<td>seminar room 1</td>
</tr>
<tr>
<td></td>
<td>• Beating heart valve simulation Lab transaortic TAVI</td>
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<tr>
<td></td>
<td>• Beating heart valve simulation Lab Mitraclip</td>
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<tr>
<td></td>
<td>• Beating heart valve simulation Lab transapical neochordae</td>
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<tr>
<td>09:00 – 13:00</td>
<td>MIMVS Wetlab I – (morning) Minimally invasive mitral valve repair – 3D endoscopic training</td>
<td>seminar room 2</td>
</tr>
<tr>
<td>14:00 – 18:00</td>
<td>MIMVS Wetlab II – (afternoon – identical to MIMVS Wetlab I) Minimally invasive mitral valve repair – 3D endoscopic training</td>
<td>seminar room 2</td>
</tr>
</tbody>
</table>
**ONLINE REGISTRATION:**  [https://registration.maw.co.at/valve24](https://registration.maw.co.at/valve24)

**REGISTRATION FEES**

<table>
<thead>
<tr>
<th></th>
<th>Preregistration until August 12, 2024</th>
<th>On site registration after August 12, 2024</th>
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<tbody>
<tr>
<td><strong>DAY 1 – 3, September 15 – 17, 2024</strong></td>
<td></td>
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<tr>
<td>Focus valve training course</td>
<td>€ 1000.-</td>
<td>€ 1100.-</td>
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<tr>
<td><strong>DAY 4, September 18, 2024</strong></td>
<td></td>
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<tr>
<td>TEE for surgeons</td>
<td>€ 350.-</td>
<td>€ 450.-</td>
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<tr>
<td>MIMVS wetlab I (09:00 – 13:00)</td>
<td>€ 350.-</td>
<td>€ 450.-</td>
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<tr>
<td>MIMVS wetlab II (14:00 – 18:00)</td>
<td>€ 350.-</td>
<td>€ 450.-</td>
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<tr>
<td>Beating heart wetlab [price per session]</td>
<td>€ 350.-</td>
<td>€ 450.-</td>
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<tr>
<td>TAVI sessions</td>
<td>8:30-10:00</td>
<td>10:30-12:00</td>
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<tr>
<td>Mitral sessions</td>
<td>8:30-10:00</td>
<td>10:30-12:00</td>
</tr>
</tbody>
</table>
| 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.-                                  |
| 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](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**

Venue: Restaurant 1809, Bergisel 2, 6020 Innsbruck

Time: 19:30

**Registration Fee:** EUR 80.–
WITH THE KIND SUPPORT OF:

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FEHLING INSTRUMENTS

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