



## **Program at the animal lab training & research center, USÖ**

### **Detailed schedule and program: TBA**

Day 1 (Start lunch): Clinical and research data, guidelines and case presentations with discussions. Models.

### **Start 12:00 with Lunch at the lab.**

**17:00–18:00** Clinical Scenarios & Group Model Discussion

### **Day 2 (whole day): Workshop on live tissue**

#### **Practical training points in the animal lab:**

Every station is led by a highly experienced instructor with one-to-one training on live tissue as well as group scenario discussions. (Lunch and coffee will be served in the lab) Changing stations according to interest is encouraged. The team is a multidisciplinary one with vascular, IR, Trauma, Thorax, ICU and ED experts.

1. Material usage in bleeding patients, general considerations and management scenarios
2. Vascular Access
  - Basic principles/advanced methods
  - Cut down techniques
  - Endoshunts (and shunts)
  - Hybrid procedures stentgrafts and more
  - Puncture methods
  - Seldinger technique
  - The failing access - alternatives
  - Venous access and Ultrasound
3. Upgrading/introducers/guide wires
4. REBOA
  - Material and REBOA kit
  - Deflation and re-positioning
  - Intermittent/Partial inflation (MAP as target - iREBOA/pREBOA)
  - Ongoing bleeding practice
  - CPR procedures and pending arrest
5. ECMO practical use with tips and tricks (own station)
6. Endo-embolectomy
7. Embolization – from coils to fluid embolization, with hands on practice
8. Endografts for bleeders with practical use
9. Balloon in alternate locations (Iliac, Subclavian, Brachiocephalic trunk/Zone 1 neck)
10. Aortography and Angiography considerations (type, volume etc.)
11. Bailouts in endovascular and hybrid surgery
12. Open thorax and abdominal methods and hybrid solutions

“No ego, just good science and cooperation”