

EndoVascular resuscitation bleeding and Trauma Management (EVTM) Multidisciplinary Workshop



Örebro, Sweden 10-11 September 2026

*Endovascular and hybrid **solutions** for the bleeding and resuscitation patient;*
Aortic balloon occlusion (*REBOA*) usage, Vascular Access, Hybrid control,
Embolization, Imaging, Endografts, Endo-embolectomy, ECMO, SAAP and
modern **techniques in Resuscitation**

EVTM instructors (preliminary)

Hanny Bahouth (Trauma, IL), Daniel Silverberg (Vascular, IL), Arda Isik (Surgery, TR), Anna Maria Ilerardi (IR, IT), Frank Plani (Trauma, ZA), Marcus Langenskiöld (Vascular, SE) **TBA**

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Local team: David McGreevy, Tal Hörer, Artai Pirouzram, Anna Stenne, Kristofer Nilsson, TBA

Target: Surgeons, Vascular, Trauma, IR, ED, Intensivists/ICU and Military with interest in trauma/bleeding/resuscitation, emergency & pre-hospital teams

Date: TBA Place: Örebro University Hospital experimental Lab

Workshop Directors: Dr. Tal Hörer MD, Dr. David McGreevy, MD, PhD

Workshop Secretary / Registration: Åsa Strandberg (asa.strandberg@regionorebrolan.se)

Cost (cover expenses only): 500€, 400€ for EVTSM Society members, ESVS/SSVS members

Partners: Örebro University Hospital, EVTSM society, DuMed/Primax, GORE, Terumo, TBA

The aim of this two days' workshop is to stimulate discussion, mutual learning and sharing of experiences while practicing EndoVascular resuscitation and Trauma Management (EVTM) using a multidisciplinary team approach. "No ego, just good science and cooperation" is the main motion of the event. It is built on an individual, professional level and we will together explore different methods for resuscitation, bleeding control and trauma management. Some methods used clinically world-wide while some are under developments and have been used in selected patients.

- Vascular access:
 - Different methods (blind, doppler, ultrasound, fluoroscopy and cut down)
 - Its use in hemodynamic unstable patients
- Aortic Balloon Occlusion (REBOA) basic and advanced methods and SAAP
- ECMO access and complications
- Basic and advanced endograft and embolization methods
- Bleeding control methods
- Damage Control EVTm and Bailout methods
- Basic and advanced postoperative considerations
- Up-to-date research and clinical experience
- Knowledge of basic material and new technologies on the market
- Intensive training on live tissue
- ICU and ECMO aspects
- Basics for building an "EVTm service"
- Advanced experimental methods in resuscitation

The workshop is designed for experienced physicians but is individually tailored during the practical parts. Participants will get basic training and knowledge of REBOA placement as part of the EVTm concept. The workshop has been certificated by the EACCME and acknowledged by collaboration with societies like the European Society for Trauma and Acute Care Surgery, the European vascular society and others.

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”