

MiniEVTM Workshop

Hybrid Bleeding Control workshop

Pre-Congress Course – ECTES 2026 & 8th World Trauma Congress
Stockholm, Sweden | 24th April 2026

Karolinska Experimental Research and Imaging Centre (KERIC)
By **EVTM (EndoVascular resuscitation and Trauma Management) Society**

DIRECTORS

- **Andreu Martínez Hernández.** (General & Emergency Surgeon, Spain - PHCC)
- **David McGreevy** (Vascular Surgeon, Sweden - EVTMM)
- **Tal Hörer** (General & Vascular Surgeon, Sweden – EVTMM)
- **Carl-Magnus Wahlgren** (General & Vascular Surgeon, Sweden- EVTMM)
- **Shahin Mohseni** (Trauma & Acute Care Surgeon, Sweden – ESTES)

TEAMS

- EVTMM/ESVS: EndoVascular resuscitation and Trauma Management society
- ESTES: European Society for Trauma and Emergency Surgery.
- Örebro University Hospital
- Karolinska University Hospital
- Swedish Society for Trauma and Emergency Surgery
- Prehospital Critical Care Team (PHCC)

Instructors/experts (TBA, not final)

Frank Plani (Trauma, South Africa), Hany Bahouth (Trauma, Israel), Federico Cocolini (Trauma, Italy), Pirkka Vikatmaa (Vascular, Finland), Artai Pirouzram (Vascular, Sweden), Itzik Arda (Surgery, Turkey), Dominika Högberg (Trauma, Sweden), Carlos Yanez (Surgery, Spain), Tongporn Wannatoop (Trauma, Thailand), Anna Maria Ilardi (Interventional Radiology, Italy), Yosuke Matsumura (ICU, ED, JP), Junichi Matsumoto (Radiology, JP).

TARGET AUDIENCE

Physicians: Surgeons (Trauma, Vascular, General), Interventional Radiologists, Emergency Physicians, Intensivists, Military Doctors,

Teams: Shock Teams, Paramedics, Military.

Nurses and Trainees: Critical Care Nurses, Advanced Nurse Practitioners, Residents.

REGISTRATION & COST (TBA)

- **Regular fee:** 500€
- **Residents / ESTES / AAST / EVTm members:** 400€
- **Registration:** Through the official ECTES 2026 website [Mini EVTm workshop pre ESTES April 2026](#)

[ECTES 2026 Pre-Congress Course | “Mini EVTm Workshop Hybrid Bleeding Control Course” ONLINE Live tissue workshop – ESTES ONLINE](#)

- **Administration-** MKON Sweden and Örebro University Hospital.
lotta@mkon.se and David.McGreevy@regionorebrolan.se,
tal.horer@regionorebrolan.se

Workshop OBJECTIVES

This immersive one-day workshop is designed to make cutting-edge knowledge and practical training in *hybrid and endovascular trauma management* accessible to all. The goal is to share, train, inspire, and empower healthcare professionals through multidisciplinary collaboration, dynamic learning, and hands-on simulation.

Participants will develop both basic and advanced skills in vascular access, bleeding control, aortic occlusion (REBOA), and endovascular decision-making in trauma care by combining theory with high-fidelity simulation, and real clinical case discussions

Both open and endovascular (hybrid) techniques will be used for different bleeding challenges, including junctional, hepatic and other injuries. The workshop is tailored to individual needs, covering the full spectrum, from basic bleeding control methods to very advanced state-of-the-art hybrid interventions.

“No ego, just good science, care, and collaboration.”

Workshop Format – 1 Full Day (08:00–17:00)

Morning: Theoretical Foundations + Case Discussions + Simulation models

Afternoon: Hands-On Training (**Live tissue session**)

Program

08:00–08:10 Registration & Welcome. Opening Remarks

Morning Block – Lectures/discussion & Case-Based Sessions

08:10–08:20 – **The EVT/MT Philosophy:** Teamwork, Training & Translational Thinking
(T Hörer)

08:20–08:30 – **Vascular Access Under Pressure:** Ultrasound, Cut-down, Fluoro & Pitfalls
(A Pirouzram)

08:30–08:40 – **REBOA Essentials:** From Basic Applications to Advanced Strategies
(D McGreevy)

08:40–08:50 – **Case 1:** Pelvic Bleeding with Unstable Hemodynamics
(C Yanez)

08:50–09:00 – **Hybrid Bleeding Control in the Unstable Patient – Open vs Endo**
(C. Wahlgren)

09:00–09:10 – **Case 2:** Junctional Penetrating Trauma. A Hybrid approach
(P Vikatmaa)

09:10–09:40 – **Coffee Break**

09:40–09:50 – **Endovascular Hemorrhage Control:** Embolization & Endografts
(Anna Maria Ilardi)

09:50–10:00 – **REBOA and hybrid bleeding control** in limited resources
(F Plani)

10:00–10:10 – **Case 3:** Aortic Injury in Blunt Trauma – Timing of TEVAR?
(D Högberg)

10:10–10:20 – **Case 4:** Prehospital Traumatic Cardiac Arrest
TBA

10:20–10:30 - **Shunts indications and use**
(S Mohseni)

10:30–10:40 - **Modern CTA in bleeders, Insights from Japan**
(J. Matsumoto and Y Matsumura)

10:40–11:00 - **Multidisciplinary brain storming** on modern bleeding control for trauma and non trauma Leaders: Hany Bahouth and Itzik Arda

11:00–12:30 – **Dry lab skill rotation (20 min each)**

- Station 1: REBOA Models
- Station 2: Ultrasound Vascular Access and tools
- Station 3: REBOA Placement
- Station 4: Dry Shunts placement
- Station 5: Endovascular tools and closure devices

12:30–13:15 – Lunch Break

Afternoon Block – Hands-On Training (lab area)

13:30–17:00 – Rotating Skill Stations (30 minutes on each and as needed by participants):

- **Station 1** – Arterial Access: Ultrasound-Guided, Cut-down, Bailout Techniques
- **Station 2** – REBOA: Placement, Inflation, Zone Strategies
- **Station 3** – Hybrid Bleeding Control/junctional bleeds/shunts/endografts/more
- **Station 4** – Embolization Techniques: Materials & Endografts, Closure devices

17:00–17:20 – Debrief & Certification

- Key Take-Home Messages
- Participant Feedback
- Certificate Delivery