



EndoVascular hybrid Trauma and bleeding Management (EVTM) Symposium

Scientific program

Preliminary program, note that changes may apply

Pre-symposium EVTm Workshop (February 1st-2nd) will end at 13.00 on Thursday February 2nd

THURSDAY February 2nd

13.00 **Registration opens / Coffee / Industry Exhibition**

15.45 **Opening remarks** - Tal Hörer - Symposium Chair (SE)
Göran Wallin, Lars Norgren, Mathias Sandin and the Örebro regional director (SE)

Opening session EVTm round table 2017
Chairs: T. Hörer (Vascular;SE) and A. Pirouzzram (Vascular;SE)

16.00 **Key Note Lecture: Military & civilian advances in trauma care** - K. Boffard (Trauma;SA)

16.15 Q&A

16.20 **Key Note Lecture: REBOA and modern trauma care** - T. Rasmussen (Trauma/Vascular;US)

16.35 Q&A

16.40 **Key Note Lecture: Time for paradigm shift in hemorrhage control: What can we learn from the past?** - T. Larzon (Vascular;SE)

16.55 Q&A

17.00 Endo techniques in hemorrhage; Role of IR - T. Vogl (IR;DE)

17.10 Q&A

17.15 Russian experience: vascular trauma from Afghanistan '79 onwards - Where and how endo/hybrid can be used?
- I. Samokhvalov (Trauma;RU)

17.25 Q&A

17.30 Experience with REBOA/ABO in rAAA & lessons - How can endo/vascular surgeon help in bleeders? - B. Starnes (Vascular;US)

17.40 Q&A

17.45 **Short break**

18.00 Aortic injuries USA data and the Aortic Trauma Foundation - J. DuBose (Trauma/Vascular;US)

18.10 Q&A

18.15 JEVTM - launching of a new platform - J. Morrison (Editor) (Trauma/Vascular;UK)

18.25 **Round table REBOA USA "vs" ABO Japan - Past/present/future in Japan & USA**
Led by J. Morrison (Trauma/Vascular;UK) and L. Handolin (Trauma;FI)

Panel USA: C. Fox (Vascular;US), P. Teixeira (Trauma/Vascular;US), M. Hoehn (Vascular/Trauma;US), T. Rasmussen (Trauma/Vascular;US), D. King (Trauma;US), L. Moore (Trauma;US), T. Williams (Vascular;US)

Panel Japan: K. Idoguchi (Trauma/Vascular;JP), Y. Kon (ED/IR;JP), F. Kashimi (ED/IR;JP), J. Matsumoto (IR;JP), Y. Matsamura (IR;JP/US), T.Orita (IR;JP)

18.50 **EVTm and REBOA - Civilian and military applications; Panel discussion and Q&A**
Led by J. DuBose (Trauma/Vascular;US) and V. Reva (Trauma;RU)

Panel: P. Talving (Trauma;EE), O. Merin (Trauma;IL), K. Inaba (Trauma;US), L. Riddez (Trauma;SE), S. Cacula (Trauma;ZA), L. Hile (ED;US), J. Manning (ED;US), J. Tisnado (IR;US), P. Vassiliu (Trauma;GR), S. Spiliopoulos (IR;GR), C. Wahlgren (Vascular;SE), K. Boffard (Trauma;ZA), J.Love (Trauma;US)

19.20 **Mingle and Industry Exhibition**

FRIDAY February 3rd

07.15	Industry Exhibition opens
07.55	<p>Session 1: EVTm and multidisciplinary approach (7 min talks + 3 min discussions) Chairs: J. Matsumoto (IR;JP) and G. Oosthuizen (Trauma;ZA) Panel: M. Malina (Vascular;UK/SE), P. Vassiliu (Trauma;GR), J. Sahagoff (Vascular;BR), L. Hile (ED;US), Y. Kon (ED/IR;JP), M. Hoehn (Vascular;US), E. Heldenberg (Vascular;IL), E. Sovik (IR;NO), P. Vriens (IR;NL), B. Starnes (Vascular;US)</p>
08.00	Endovascular bleeding control and multidisciplinary approach in Stockholm - C. Wahlgren (Vascular;SE)
08.10	Endovascular bleeding control by Interventional Radiology (IR) in the USA; What can we do? Examples - J. Tisnado (IR;US)
08.20	IR in trauma & bleeding in Sweden - Where can we help and how? - M. Delle (IR;SE) and M. Falkenberg (IR/Vascular;SE)
08.30	Japanese experience - the IR view of multidisciplinary approach in trauma/bleeders - J. Matsumoto (IR;JP)
08.40	When to use endo techniques in trauma? Which patient? Who should do it? Any evidence? - J. Love (Trauma;US)
08.50	Is EVTm relevant in South Africa? First REBOA experience in South Africa - G. Oosthuizen (Trauma;ZA)
09.00	Endo trauma experience at the Shock Trauma Centre in Baltimore - when and how to use the hybrid room? - M. Hoehn (Vascular/Trauma;US)
09.10	The new European pelvic bleeding guidelines - Where does REBOA fit in? - F. Coccolini (Trauma;IT)
09.20	Panel and audience discussion: Multidisciplinary approach in bleeders. EVTm. When?
09.35	Coffee / Industry Exhibitors
10.05	<p>Session 2: Vascular access in bleeding & trauma patients (7 min talks+ 3 min discussions) Chairs: T. Larzon (Vascular;SE) and T. Vogl (IR;DE) Panel: D. Eefting (Vascular;NL), M. Dragas (Vascular;SR), A. Hallal (Trauma;LB), S. Spiliopoulos (IR;GR), S. Sadek (ED;UK), P. Vriens (Vascular;NL), J. Van Den Berg (IR;CH), M. Delle (IR;SE), P. Skoog (Vascular;SE); S. Hiiipala (ICU;FI)</p>
10.10	The rationale for vascular access for bleeding control - the benefits, risks and complications - Z. Rancic (Vascular;CH)
10.20	Tips & tricks for vascular access in bleeders; access in the elderly population - J. Holst (Vascular;SE)
10.30	Pitfalls in vascular access; What can go wrong? - A. Pirouzram (Vascular;SE)
10.40	Vascular access in the ER in Japan - experience and evidence (Direct IABO registry) - Y. Matsumura (IR;JP/US)
10.50	Vascular access in austere environment and/or in the field for bleeders - V. Reva (Trauma;RU)
11.00	Vascular access in unstable patients - tips & tricks - M. Malina (Vascular;SE/UK)
11.10	Vascular access and closing techniques; The vascular surgeon point of view - D. Eefting (Vascular;NL)
11.20	Large bore access complications - What you should know and recent data - L. Lönn (IR;DK) and M. Taudorf (IR;DK)
11.30	Debate: PRO vascular access already on arrival during primary survey - B. Starnes (Vascular;US)
11.40	Debate: CON Vascular access only if needed in major bleeders - C. Wahlgren (Vascular;SE)
11.50	Panel and audience discussion: About vascular access for bleeders, timing, contraindications and how to do
12.10	<p>Tokai Lunch Symposium - Trends in Trauma Chair: Lauri Handolin, MD, PhD, Trauma Unit, Helsinki University Hospital 1. U.S. and Japan Yosuke Matsumura, MD, PhD, R Adams Cowley Shock Trauma Center, University of Maryland 2. South Korea Sung Wook Chang, MD, PhD, Trauma Center, Dankook University Hospital 3. Israel Michael Stein, MD, Rabin Medical Center - Beilinson Hospital</p> <p>Lunch is served in the lecture Hall at "Bassängfoajén"</p>

13.10	Session 3: REBOA 1 (7 min talks + 3 min discussions) Chairs: T. Rasmussen (Trauma/Vascular;US) and J. DuBose (Trauma/Vascular;US) Panel: B. Starnes (Vascular;US), C. Fox (Vascular;US), D. King (Trauma;US), R. Hoencamp (Vascular/Trauma;NL), H. Bahouth (Trauma;IL), D. Eefting (Vascular;NL), C. Wahlgren (Vascular;SE), A. Pirouzram (Vascular;SE), K. Boffard (Trauma;ZA), S. Mohseni (Surgery;SE)
13.15	REBOA: is there any data? - J. Morrison (Trauma/Vascular;UK)
13.25	REBOA Europe - ABOTrauma Registry and pREBOA data - K. Nilsson (ICU;SE), M. Sadeghi (Surgery;SE) and T. Hörer (Vascular/ICU; SE)
13.35	REBOA Japan DIRECT data - Y. Matsamura (IR;JP/US)
13.45	REBOA USA - AORTA study and nomenclature of REBOA - J. DuBose (Trauma/Vascular;US)
13.55	REBOA - the Houston Texas experience; Lessons; Exemples - L. Moore (Trauma;US)
14.00	Use of REBOA in the USA military; First experience report - J. DuBose (Trauma/Vascular;US)
14.10	First REBOA experience in Israel - B. Kessel (Trauma;IL) and D. Hebron (Trauma/IR;IL)
14.20	Italian preliminary REBOA experience; Report from two level I trauma centers - E. Gamberini (Trauma;IT)
14.30	REBOA Italian survey - M. Zago (Trauma;IT)
14.35	Debate: REBOA in penetrating trauma - Evidence or gut feeling? My thoughts - G. Oosthuizen (Trauma;ZA)
14.45	Debate: REBOA in blunt trauma - Evidence or gut feeling? My thoughts - O. Merin (Trauma;IL)
14.55	Panel and audience discussion: Total and partial REBOA, Transfer REBOA - options? Tips & tricks/how to do? Not to do?
15.15	Coffee / Industry Exhibitors
15.45	Session 4: Pre-hospital and military REBOA (7 min talks + 3 min discussions) Chairs: J. DuBose (Trauma/Vascular;US) and T. Rasmussen (Trauma/Vascular;US) Panel: V. Reva (Trauma;RU), I. Samokhvalov (Trauma;RU), O. Merin (Trauma;IL), Y. Kon (ED/IR;JP), T. Williams (Vascular;US), L. Hile (ED;US), P. Teixeira (Trauma/Vascular;US), G. Davies (EMS;UK), G. Grier (EMS;UK), L. Riddez (Trauma;SE)
15.50	The rationale for pre-hospital REBOA in London - Z. Perkins (Trauma;UK)
16.00	Pre-hospital REBOA - The London experience & lessons - S. Sadek (ED;UK)
16.10	Prehospital and transfer REBOA in Japan - preliminary experience - K. Idoguchi (Trauma/Vascular;JP)
16.20	Transfer military REBOA (animal) first experience and the lessons learned - V. Reva (Trauma;RU)
16.30	Military aspects of hemorrhage control and REBOA: How far forward to push technology? - D. King (Trauma;US)
16.40	Combat related vascular injuries: What about EVTm and REBOA? - R. Hoencamp (Vascular/Trauma;NL)
16.50	Debate: PRO REBOA can be used in the field - J. Morrison (Trauma/Vascular;UK)
17.00	Debate: CON REBOA should not be used in pre-hospital settings - J. Love (Trauma;US)
17.10	Panel and audience discussion: REBOA in pre-hospital scenarios - When and how? Transfer REBOA?
17.30	Consensus on REBOA? - J. DuBose (Trauma/Vascular;US) and B. Kessel (Trauma;IL)
17.45	End of Friday's program

19.00	Symposium Dinner at Elite Hotel
-------	--

SATURDAY February 4th**07.15 Industry Exhibition opens****07.55 Session 5: REBOA 2 and more on EVTm (7 min talks + 3 min discussions)****Chairs:** L. Handolin (Trauma;FI) and B. Kessel (Trauma;IL)**Panel:** Z. Rancic (Vascular;CH), M. Zago (Trauma;IT), Z. Qasim (ED;US), T. Williams (Trauma/Vascular;US), S. Cacala (Trauma;ZA), Z. Perkins (Trauma;UK), L. Moore (Trauma;US), A. Johnson (Trauma;US), A. Hallal (Trauma;LB), D. Hebron (Trauma/IR;IL), P. Skoog (Vascular;SE), J. Sahagoff (Vascular;BR)

08.00 REBOA use in exsanguinating pelvic trauma - C. Fox (Vascular;US)

08.10 REBOA and embolization in pelvic injuries - The Baltimore experience & lessons - M. Hoehn (Vascular/Trauma;US)

08.20 REBOA in rAAA under local anaesthesia - results and the implications for trauma? - P. Vriens (Vascular;NL)

08.30 More Japanese experience with REBOA and EVTm; Cases - K. Idoguchi (Trauma/Vascular;JP)

08.40 Visceral organ embolization in hemorrhage (Trauma, GI, PPH) - which embolization agents (liquids? coils? plugs?) - M. Delle (IR;SE)

08.50 Data on great vessels and endografts in trauma - any evidence? - J. Love (Trauma;US) and J. DuBose (Trauma/Vascular;US)

09.00 Great vessels endografts - what can be used in bleeders? - P. Vriens (Vascular;NL)

09.10 **Debate:** PRO: Endo tools should be used in major bleeders! - D. King (Vascular;US)09.20 **Debate:** CON: Bleeding control the good old way - open it! - P. Talving (Trauma;EE)09.30 **Panel and audience discussion:** REBOA, embolization and endografts in bleeders09.40 **Coffee / Industry Exhibitors****10.10 Session 6: Who should do REBOA and training issues (7 min talks + 3 min discussions)****Chairs:** G. Oosthuizen (Trauma;ZA) and L. Handolin (Trauma;FI)**Panel:** G. Wallin (Surgery;SE), T. Vogl (IR;DE), P. Vassiliu (Trauma;GR), L. Riddez (Trauma;SE), J. Jansen (Trauma/ICU;UK), B. Darvish (ICU;SE), E. Søvik (IR;NO), J. Manning (ED;US), P. Talving (Trauma;EE); K. Inaba (Trauma;US), R. Lindgren (Surgery;SE), C. Fox (Vascular;US)

10.10 US BEST courses - M. Hoehn (Vascular/Trauma;US)

10.20 EVTm workshops Sweden; how to train on EVTm/REBOA, pREBOA, iREBOA - A. Pirouzram (Vascular;SE) and T. Hörer (Vascular; SE)

10.30 Japanese REBOA DIRECT courses - T. Funakibi (IR;JP)

10.40 From training to using REBOA in the ER - How to think, how to train. New courses - Z. Qasim (ED;US)

10.50 REBOA training methods on animals, simulator and more. Lessons from Copenhagen - L. Lönn (IR;DK) and M. Taudorf (IR;DK)

11.00 Training on cadaver and live tissue vs simulators - K. Inaba (Trauma;US)

11.10 **Debate:** PRO REBOA should be done by trauma surgeons - J. Love (Trauma;US)11.20 **Debate:** CON REBOA should be done by emergency doctor - L. Hile (ED;US)11.30 **Panel and audience discussion:** REBOA/EVTm training/teaching; Who should do REBOA?11.50 **Lunch and Industry Exhibition****12.45 Session 7: Translational, clinical research and new technologies (7 min talks + 3 min discussions)****Chairs:** J. Morrison (Trauma/Vascular;UK) and T. Rasmussen (Trauma/Vascular;US)**Panel:** P. Skoog (Vascular;SE), K. Inaba (Trauma;US), Y. Matsumura (IR;JP/US), J. Tisnado (IR;US), L. Lönn (IR;DK), J. Holst (Vascular;SE), R. Lendrum (ICU;UK), C. Wahlgren (Vascular;SE), M. Hoehn (Vascular;US), O. Ljungqvist (Surgery;SE)

12.50 REBOA in other bleeders (PPH and more) - Norwegian experience and review - E. Søvik (IR;NO)

13.00 pREBOA Animal data (SW) - K. Nilsson (ICU;SE), M. Sadeghi M. Sadeghi (Surgeon;SE) and T. Hörer (Vascular; SE)

13.10 Animal Studies REBOA - A. Johnson (Trauma;US)

13.20	Data on small sheath REBOA Japan - Y. Matsamura (IR;JP/US)
13.30	Emerging technologies in EVTm and REBOA: Next steps (US) - T. Williams (Vascular;US)
13.40	New techniques & technology for access closure - T. Larzon (Vascular;SE)
13.50	New endo technologies and endografts - J. Van Der Berg (Vascular/IR;CH)
14.00	Clinical trial design for clinically complex and rare interventions - J. Jansen (Trauma/ICU;UK)
14.10	Selective aortic arch perfusion (SAAP) - Relevant for trauma and bleeding? - J. Manning (ED;US)
14.20	Panel and audience discussion: New bleeding technologies for hospital, pre-hospital, military environment
14.40	Coffee / Industry Exhibitors
15.00	Session 8: Anesthesiological and ICU aspects of EVTm, REBOA and complications (7 min talks + 3 min discussions) Chairs: J. DuBose (Trauma/Vascular;US) and K. Inaba (Trauma;US) Panel: B. Darvish (ICU;SE), S. Hiiippala (ICU;FI), D. King (Trauma;US), J. Sahagoff (Vascular;BR), L. Moore (Trauma;US), C. Fox (Vascular;US), K. Nilsson (ICU;SE), M. Sandin (ICU;SE), M. Hoehn (Vascular/Trauma;US), J. Love (Trauma;US), K. Ögren (ICU;SE)
15.05	Vascular access complications - what is relevant to post-operative management? Cases - M. Falkenberg (IR/Vascular; SE)
15.15	Molecular basis for reperfusion injury and strategies to ameliorate cellular dysfunction - J. Ross (Physiol;US)
15.25	Pitfalls of endovascular bleeding management - ICU aspects - P. Teixeira (Trauma/Vascular;US)
15.35	REBOA related issues in the ICU: an evidence free zone? - J. Jansen (Trauma/ICU;UK)
15.45	Abdominal compartment syndrome and other complications relevant for REBOA - P. Skoog (Vascular;SE)
15.55	Special anesthesia concerns when utilizing REBOA - TBA
16.05	Reperfusion injury after REBOA - how to mitigate the risk in the OR - R. Lendrum (ICU;UK)
16.15	REBOA complications - cases - V. Reva (Trauma;RU)
16.25	Panel and audience discussion: The anesthetist and ICU point of view; what can we optimize?
16.40	Closing remarks - Next EVTm symposium 2018, The EVTm society, REBOA trophy, JEVTM and future aspects - Tal Hörer - Symposium Chair
16.50	End of the EVTm 2017 Symposium