Highlights from the 2018 international EndoVascular resuscitation and Trauma Management (EVTM) Meeting: What Is The EVTM And Why It Is Important

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Conflict of Interest

• None
• “No ego, just good science and cooperation”

EVTM background

• EVAR era started 1996 in Örebro, Sweden
• 100% EVAR for rAAA* and rTAA (from 2009)
• 30d mortality: 27% (17/64); very low exclusion rate (4-9%). Currently 2017 20%
• By complimentary methods: access, chimney, snorkels, REBOA (ABO), sandwich, Onyx etc.
• High interest in endo
• Interest in bleeders
• Interest in resuscitation
• Collaboration process

The bleeding patient

• Vascular emergencies (i.e rAAA/rTAA)
• Trauma
• Iatrogenic injuries (i.e iliac)
• Surgical/uncontrolled
• Post partum (i.e Accreta)
• Gastrointestinal
• Spontaneous
• Medical bleeding (i.e Coumadin)

The Unstable patient

• Hemodynamic instabilities
• Medical emergencies
• Cardiogenic shock
• Possible bridge to ECMO / PCI
• Part of eCPR

Multidisciplinary platform

www.jevtm.com

A collection of tools in a multidisciplinary manner

- Effective team work (from pre-hospital!)
- Early Vascular access (AABCDE)
- Permissive hypotension (passive/active)
- CTA (<15min); Protocol
- Angiography table/C Arm/Hybrid suite
- REBOA if needed!
- Adjunct techniques/hybrid
- Endo could help/avoid open new cavity
- Minimal invasive as possible tool
- Does NOT replace surgery!

Top Stent Manual 2017; Hörer et al CVR; J Trauma; Eu J acute surg and trauma 2012-2018

ACCESS - AABCDE for REBOA and EVTM

Hörer et al 2009-2018; Sadeghi et al 2017; Top Stent manual 2017

Endovascular tools - Embolization

Schrammel Injury 2016; Wijffels CIR 2018; Frandon J viss Surg 2016; Green J Trauma 2016; Ahuja AJR 2015
REBOA (Aorta Balloon Occlusion)

EVTM and REBOA increasing
- Finland
- Israel
- Russia
- Italy
- South Africa
- Denmark
- Sweden
- Spain
- Brazil
- Korea
- Thailand
- Japan
- USA

EVTM is a paradigm shift in trauma care!
(but not only trauma...)

EVTM society declaration; www.jevtm.com

Vascular access data, opinion, and debates
Military and civilian data and debates

EVTM symposium’s
- Focus on endovascular and hybrid resuscitation and bleeding control issues
- Multidisciplinary discussions and debates
- Current practice, international perspectives
- Data sharing on current studies
- Open debates
  - Research opportunities; evidence; JEVTM
  - Guidelines & work-flows
  - Communication/inter-disciplinary
  - Cooperation (civilian, military, research)
  - EVTM society

EVTM is expending
The “unstable patient”
- Cooperation network
- Scientific collaboration
- Clinical collaboration
- Use of new tools

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