**Management of the bleeding patient**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Learning objectives:**
This course will provide clinicians with practical tools and theoretical knowledge to manage and treat patients with massive bleeding complications and coagulopathy. Through a number of short lectures and case discussions, participants will gain knowledge of the common concepts underlying coagulopathy during bleeding and learn the appropriate diagnostic and treatment approaches according to the underlying cause of bleeding. The need and principles of thromboprophylaxis after bleeding has been successfully managed will also be presented. Educational methods will include a wrap-up hands-on session on point-of-care coagulation devices.

**Target audience:** Anaesthesiologists, intensive care physicians and anaesthesia nurses interested in the field of bleeding, transfusion, haemostasis, massive bleeding and point-of-care guided treatment.

**Chair:**
Christian von Heymann (Berlin, Germany)
Christian Fenger-Eriksen (Aarhus, Denmark)

**Case discussion in 4 groups**
Christian Fenger-Eriksen (Aarhus, Denmark)
Michael Meesters (Utrecht, Netherlands)
Alexander Vlaar (Amsterdam, Netherlands)
Christian von Heymann (Berlin, Germany)

**Pathophysiology of coagulation during bleeding**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Monitoring of coagulation during bleeding (standard lab vs. point-of-care)**
Michael Meesters (Utrecht, Netherlands)

**Monitoring and reversal of direct oral anticoagulant (DOAC) therapy**
Christian von Heymann (Berlin, Germany)

**Interactive case discussion: Management of DOAC induced bleeding**
Christian von Heymann (Berlin, Germany)

**Management of the massively bleeding patient**

**Interactive case discussion: When and how to use haemostatic agents?**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Coffee break**

**Safety of blood products**
Alexander Vlaar (Amsterdam, Netherlands)

**Thromboprophylaxis after bleeding: when and how?**
Alexander Vlaar (Amsterdam, Netherlands)

**Hands-on training (point-of-care coagulation analysers)**
Michael Meesters (Utrecht, Netherlands)
Alexander Vlaar (Amsterdam, Netherlands)
Christian Fenger-Eriksen (Aarhus, Denmark)
Christian von Heymann (Berlin, Germany)