

## STUDY POINTS

# Trauma and Bleeding Module

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*MyEMCert study points can be used to focus areas of study and preparation. The study point does not contain specific information that would lead you to the diagnosis or correct answer but would instead direct you to learning and reference materials.*

### Trauma and Bleeding Module Study Points

#### General

- Recognize metabolic and physiologic changes due to major blood loss in trauma
- Diagnostic evaluation and treatment of life-threatening hemorrhage in patients taking anticoagulants
- Diagnostic evaluation and treatment of hypotension in trauma
- Diagnostic evaluation and treatment of hypotension in abdominal trauma
- Understand the triage priorities for multi-casualty situations
- Treatment of patients with end-of-life care
- Treatment of pain in major trauma

#### Children

- Diagnostic evaluation and treatment of pediatric trauma
- Procedural sedation in children

#### Head and Neck

- Diagnostic evaluation and treatment of closed head injury
- Diagnostic evaluation and treatment of a concussion in an athlete
- Diagnostic evaluation and treatment of penetrating head injury
- Diagnostic evaluation of head injury in elderly patients
- Diagnostic evaluation and treatment of intracranial hemorrhage on anti-coagulant
- Treatment of skull fractures
- Treatment of ocular trauma and orbital injuries
- Treatment of eyelid trauma
- Treatment of eye pain following blunt trauma
- Treatment for traumatic iritis
- Diagnostic evaluation (including imaging) in facial trauma

- Airway approach in facial trauma
- Complications of facial fractures
- Treatment of blunt ear trauma (including auricular hematoma)
- Diagnostic evaluation and treatment of penetrating neck trauma
- Diagnostic evaluation and treatment of cervical spinal cord injury
- Injuries and physical findings associated with cervical strangulation

#### Children

- Diagnostic evaluation and treatment of closed head injury in a child
- Diagnostic evaluation and treatment of neck injuries

#### **Other System-specific Injuries**

- Diagnostic evaluation and treatment of spinal cord injury
- Treatment of thoracic injury
- Diagnostic evaluation, recognition, and treatment of thoracoabdominal trauma
- Diagnostic evaluation and treatment of blunt cardiac injury
- Needle thoracostomy for pneumothorax
- Diagnostic evaluation and treatment of blunt abdominal trauma
- Diagnostic evaluation and treatment of penetrating abdominal trauma
- Diagnostic evaluation and treatment of trauma in pregnancy
- Diagnostic evaluation and treatment patients with genitourinary injury
- Treatment of penile injuries
- Diagnostic evaluation and treatment of extremity trauma
- Diagnostic evaluation and treatment of traumatic extremity hemorrhage
- Diagnostic evaluation and treatment of penetrating extremity injuries
- Diagnostic evaluation and treatment of hand injuries
- Diagnostic and treatment of elbow injuries
- Treatment of nailbed injuries
- Diagnostic evaluation and treatment of lower extremity pain
- Diagnostic evaluation and treatment of lower extremity fracture / dislocation
- Diagnostic evaluation and treatment of blast injuries
- Management of suspected urethral injury

#### **Burns**

- Diagnostic evaluation and treatment of mild, moderate, and severe burns

#### Children

- Treatment of oral burns in children
- Discharge planning and instruction for children with oral burns

#### **Nontraumatic Hemorrhagic Conditions**

- Diagnostic evaluation and treatment of epistaxis
- Treatment of post tonsillectomy hemorrhage
- Diagnostic evaluation and treatment of hemoptysis
- Diagnostic evaluation and treatment of gastrointestinal hemorrhage
- Diagnostic evaluation and treatment of hematuria
- Diagnostic evaluation and treatment of vaginal bleeding in pregnancy

#### **Blood and Component Replacement**

- Complications from blood transfusions
- Indications of blood transfusion in adults
- Reversing anticoagulants

- Treatment of hemorrhage in trauma patient taking anticoagulants
- Indications for autotransfusion in patients with hemothorax

### **Miscellaneous**

- Facial nerve blocks
- Diagnostic evaluation and treatment of high voltage electrical injuries
- Treatment of conducted electrical weapon exposure
- Diagnostic evaluation and treatment of needle stick injuries
- Treatment of mammal bites
- Treatment of human bites
- Treatment of frostbite
- Treatment of hemorrhage in trauma patients taking antidepressants
- Treatment of genitourinary infections
- Management of chest trauma