

Shock and Bleeding - OEC Book Chapters 8 (Bleeding) & 9 (Shock)

A) Shock - Topic Outline

1) Define Shock

Perfusion/Hypoperfusion

Blood Circulation: Pump/Container/Content = Heart/Vessels/Blood

What shock does to body (Denies oxygen, nutrients, waste removal)

Why shock is life threatening (affects vital organ function, especially brain)

How treatment counteracts shock (slow shock progress, transport to higher care)

2) Demonstrate causes (mechanics of shock)

Cardiogenic/Hypovolemic/Neurogenic

3) Types of Shock (Table 9-3)

Anaphylactic Cardiogenic Hypovolemic Respiratory Insufficiency
Neurogenic Psychogenic Septic

4) Signs & symptoms of shock

5) Progression of Shock: Compensated, Decompensated, Irreversible shock

6) Treatment of shock

Maintain open airway

Control bleeding & splint fractures

Wrap in blanket

Feet uphill (unless cardiogenic)

Rothenberg position

Give oxygen

Transport to hospital

Etc.

B) Bleeding Topic Outline

1) Circulatory System Anatomy: Heart/Vessels/Blood (Pump/Container/Content)

2) Types of bleeding = Internal vs. External & Arterial vs. Venous

(Different types of soft tissue bleeding – e.g. laceration, avulsion, etc.
will be covered by Marcia in Chapter 19 lesson on 8/26)

3) Mechanisms of injury that cause bleeding

3) Consequences of bleeding (shock, infection, etc.)

4) Treatment

A) Internal Bleeding

BSI ABC Oxygen Splint (especially femur fracture) Vitals
Elevate legs Keep patient warm Rapid transport Etc.

B) External Bleeding

BSI ABC Oxygen Splint (all fractures) Vitals
Direct pressure Elevation Pressure Point (Figure 8-8)
Tourniquet Etc.

5) Bandaging

General cravat/bandage principles & use

Applying Head cravat

Bandaging extremity bleeding

Treating Nose Bleed

Tourniquet

(submitted Nic Schiavetti '09)