2007-09

M1 - Cardiovascular / Respiratory, Fall 2007

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http://hdl.handle.net/2027.42/64958
Circulatory Derangements
II
HEMORRHAGE
HEMORRHAGE

Escape of blood from the C-V system

-onto the floor

-into the tissues / body cavities
Clinical Patterns of Hemorrhage

• Petechiae – 1-2 mm. hemorrhages
• Ecchymoses- blotches / bruises
• Hematoma – a mass or lump of blood
• Hemothorax – blood in the pleural cavity
• Hemarthrosis – blood in a joint
• Hemopericardium, hematosalpinx, etc.
• Purpura – a condition of widespread cutaneous and mucosal hemorrhages
Petechiae
Ecchymosis
Hematoma
Hemostasis involves three components

• Blood vessels

• Platelets

• Coagulation system
Platelets
Bone Marrow

Megakaryocytes
Ecchymosis - Fresh
Ecchymosis - Resolving
Ecchymosis - Resolving
Erythrophagocytosis
Hemosiderin & Hematoidin
Hemosiderin & Hematoidin
Iron Stain
Aspirated Blood
Pontine Hemorrhage
Cerebral Hemorrhage
Mycotic Aneurysm
Cerebral Hemorrhage Hypertensive
Cerebral Hemorrhage
Thrombocytopenic
Hemopericardium
Systemic Effects of Hemorrhage

- Exsanguination
- Shock
- Anemia of Chronic Blood Loss
Liver - Lacerations
Cecal Carcinoma