M1 - Cardiovascular / Respiratory, Fall 2007

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Circulatory Derangements II

HEMORRHAGE
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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
Purpura

Source: Undetermined
Hemostasis involves three components

- Blood vessels
- Platelets
- Coagulation system
Platelets

Source: Undetermined
Bone Marrow
Megakaryocytes
Ecchymosis - Fresh
Ecchymosis - Resolving
Ecchymosis - Resolving
Erythrophagocytosis
Hemosiderin
Hemosiderin & Hematoidin
Hemosiderin & Hematoidin
Iron Stain
Aspirated Blood
Pontine Hemorrhage
Cerebral Hemorrhage
Mycotic Aneurysm
Cerebral Hemorrhage
Hypertensive
Cerebral Hemorrhage
Thrombocytopenic
Subdural Hematoma
Hemopericardium
Hemopericardium
Systemic Effects of Hemorrhage

• Exsanguination

• Shock

• Anemia of Chronic Blood Loss
Liver - Lacerations
Cecal Carcinoma