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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

G.D. Abrams, University of Michigan Medical School
Ecchymoses
Hematoma
Hemostasis involves three components

• Blood vessels

• Platelets

• Coagulation system
Platelets
Ecchymosis - Fresh
Ecchymosis - Resolving

G.D. Abrams, University of Michigan Medical School
Ecchymosis - Resolving

G.D. Abrams, University of Michigan Medical School
Erythrophagocytosis
Hemosiderin
Hematoidin
Hemosiderin & Hematoidin
Hemosiderin & Hematoidin
Iron Stain

G.D. Abrams, University of Michigan Medical School
Aspirated Blood
Pontine Hemorrhage
Cerebral Hemorrhage
Mycotic Aneurysm
Cerebral Hemorrhage
Hypertensive
Cerebral Hemorrhage
Thrombocytopenic
Hemopericardium
Hemopericardium
Systemic Effects of Hemorrhage

• Exsanguination

• Shock

• Anemia of Chronic Blood Loss
Liver - Lacerations
Cecal Carcinoma
Additional Source Information
for more information see: http://open.umich.edu/wiki/CitationPolicy

Slide 7: The Journal of Young Investigators, 2008 (jyi.org)
Slide 8: Medscape.com
Slide 9: Department of Pathology, University of Michigan
Slide 10: Department of Pathology, University of Michigan
Slide 12: Department of Pathology, University of Michigan; Department of Pathology, University of Michigan
Slide 13: G.D. Abrams, University of Michigan Medical School
Slide 14: JoeD, wikimedia
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