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Viewer discretion advised: Material may contain medical images that may be disturbing to some viewers.





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

Source: The Journal of Young Investigators, 2008 (jyi.org)



Ecchymosis



Source: wikimedia.org

Hematoma



Source: en.wikipedia.org

Purpura



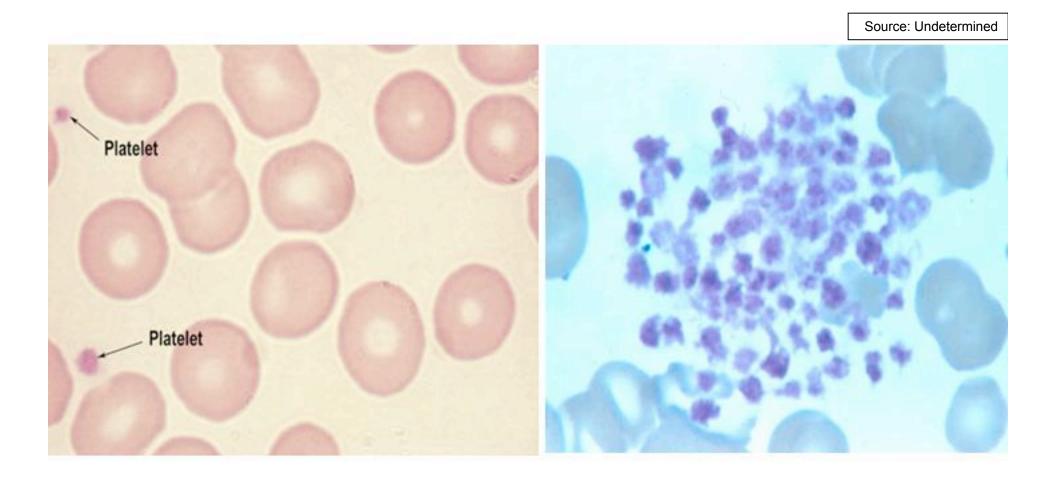
Hemostasis involves three components

Blood vessels

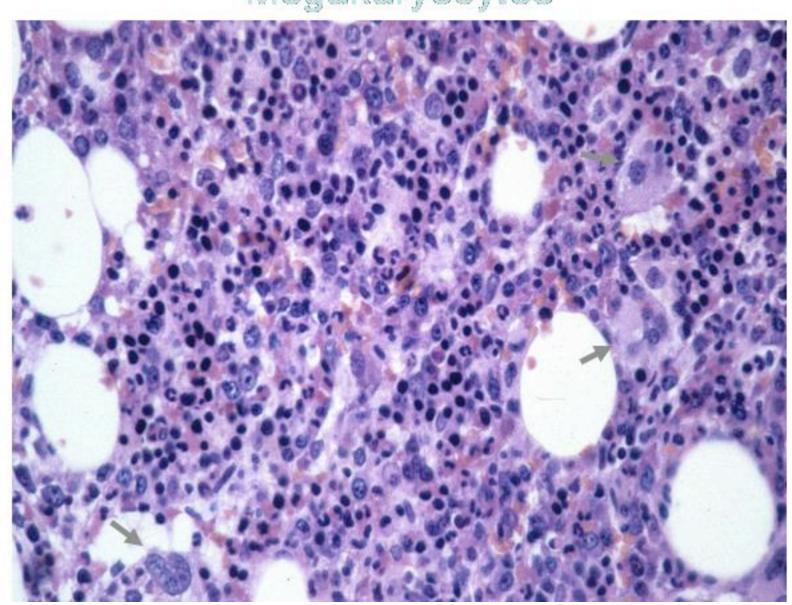
Platelets

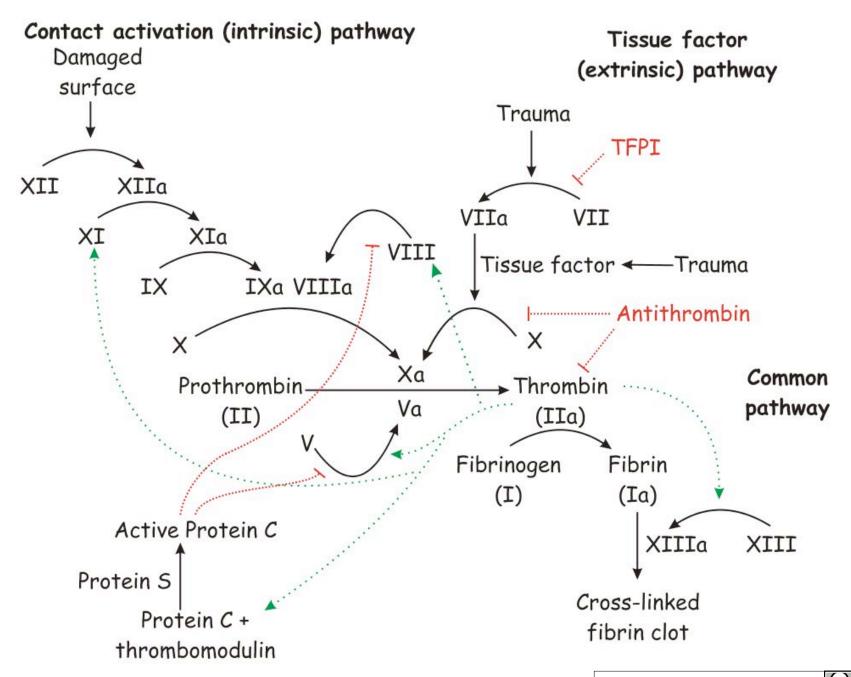
Coagulation system

Platelets



Bone Marrow Megakaryocytes





Ecchymosis - Fresh



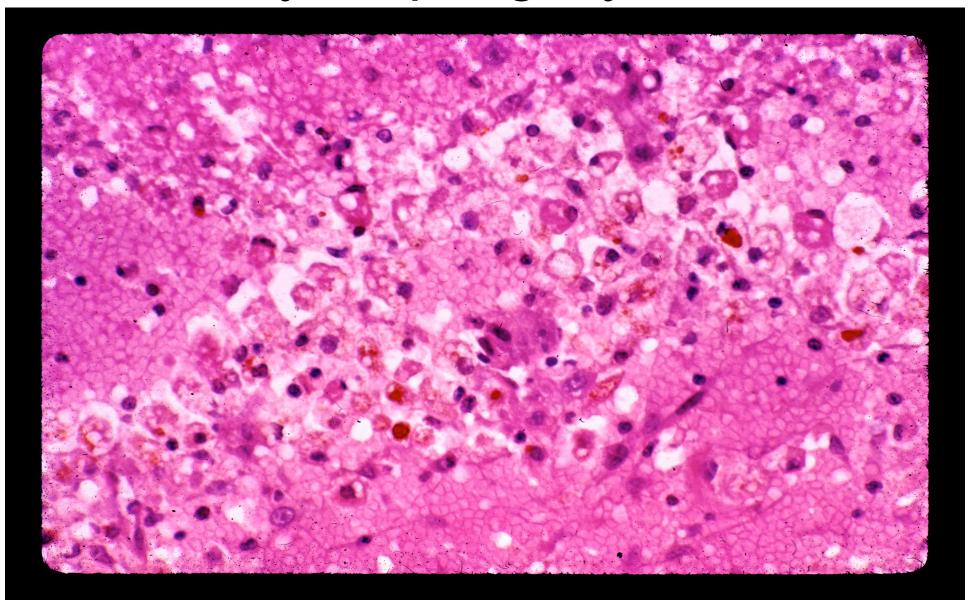
Ecchymosis - Resolving



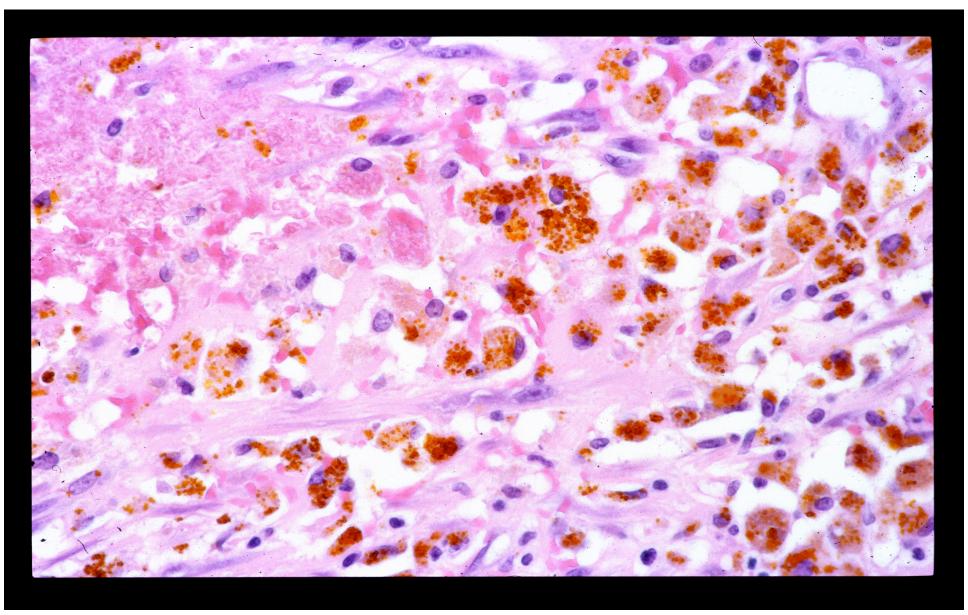
Ecchymosis - Resolving



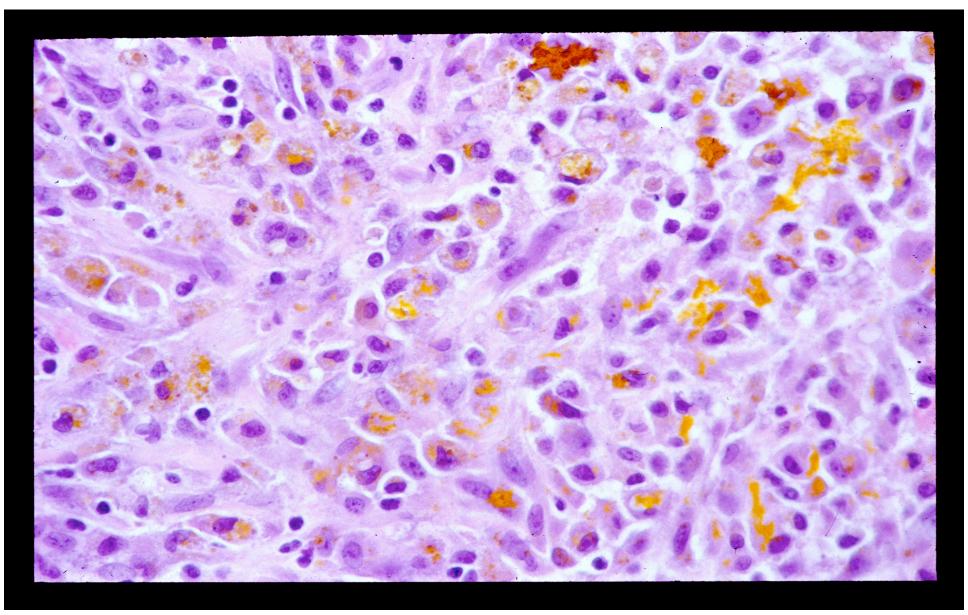
Erythrophagocytosis



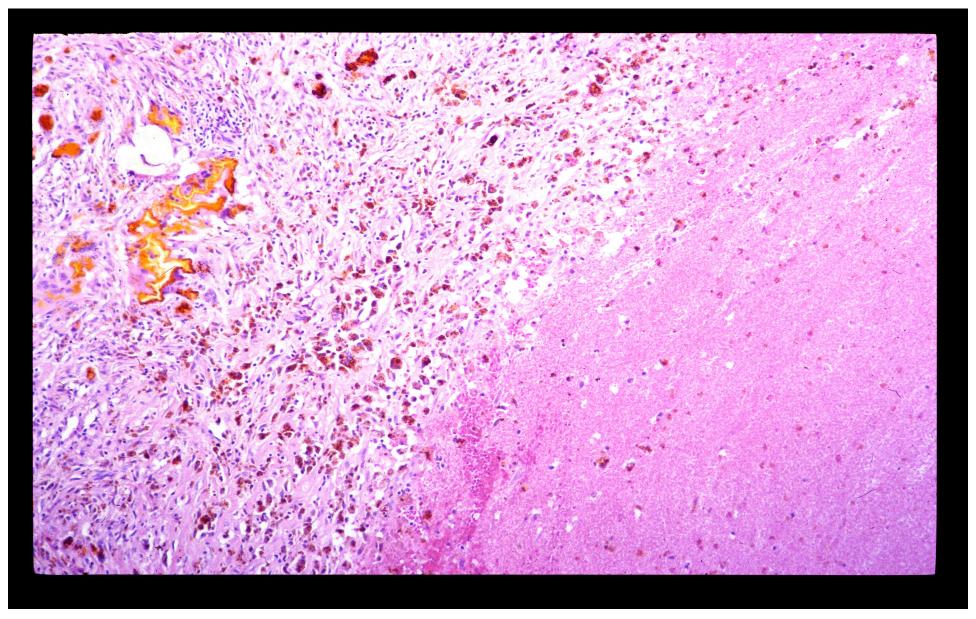
Hemosiderin



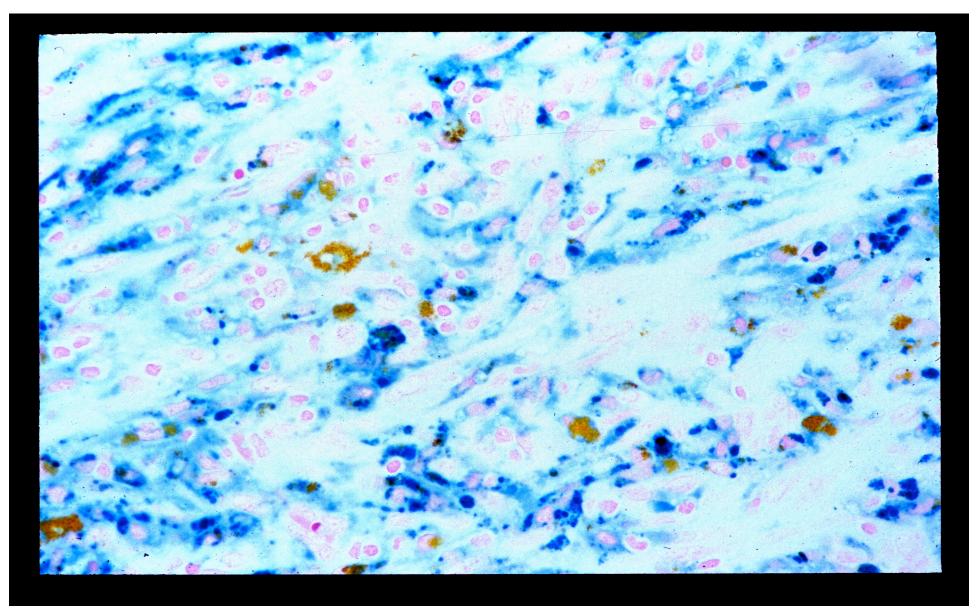
Hematoidin



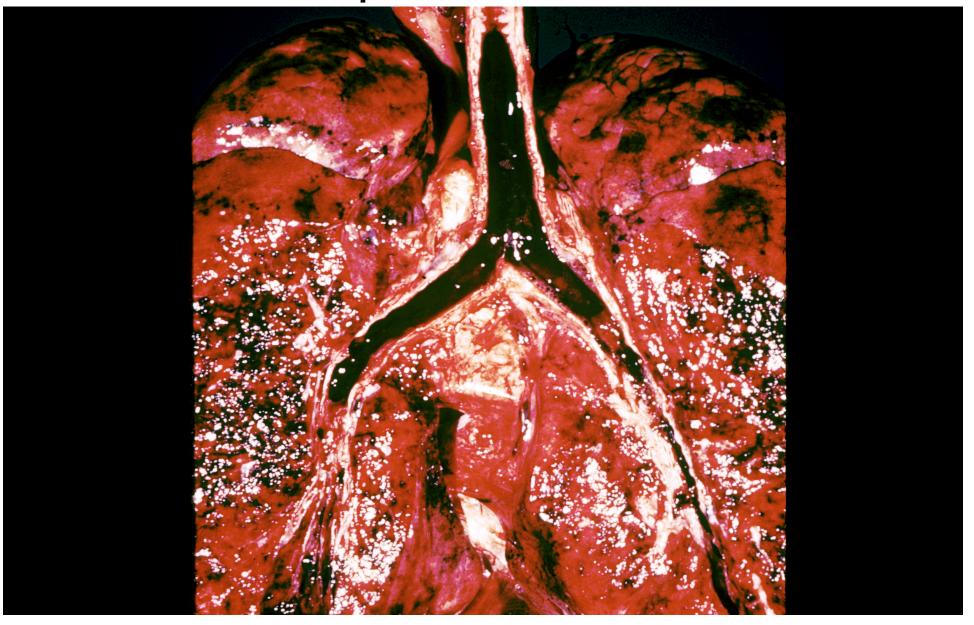
Hemosiderin & Hematoidin



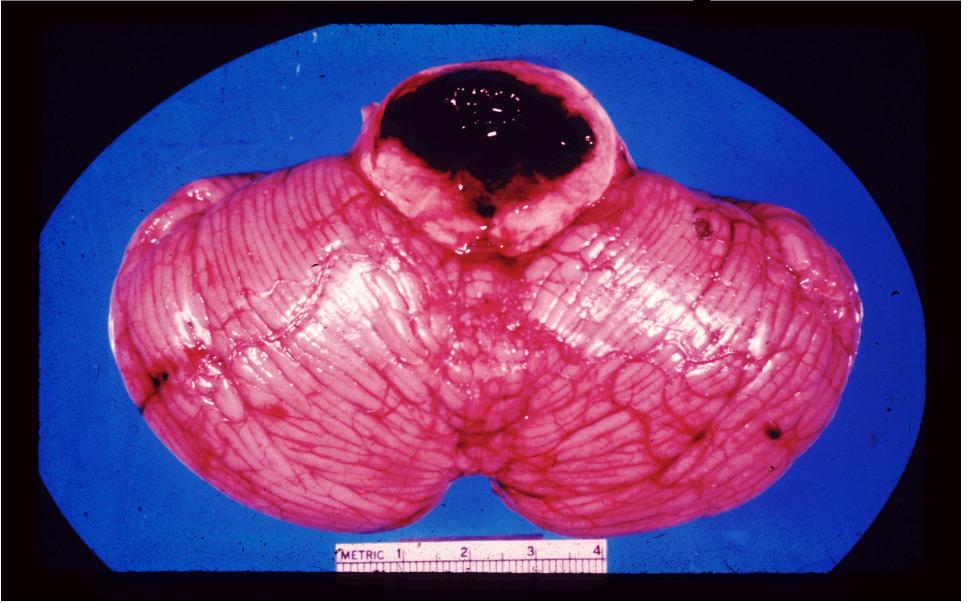
Hemosiderin & Hematoidin Iron Stain



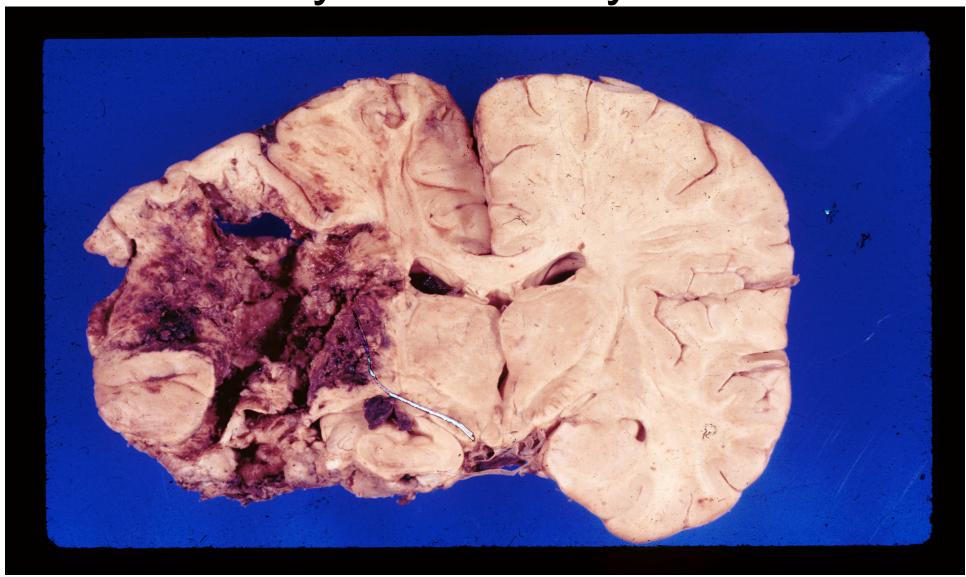
Aspirated Blood



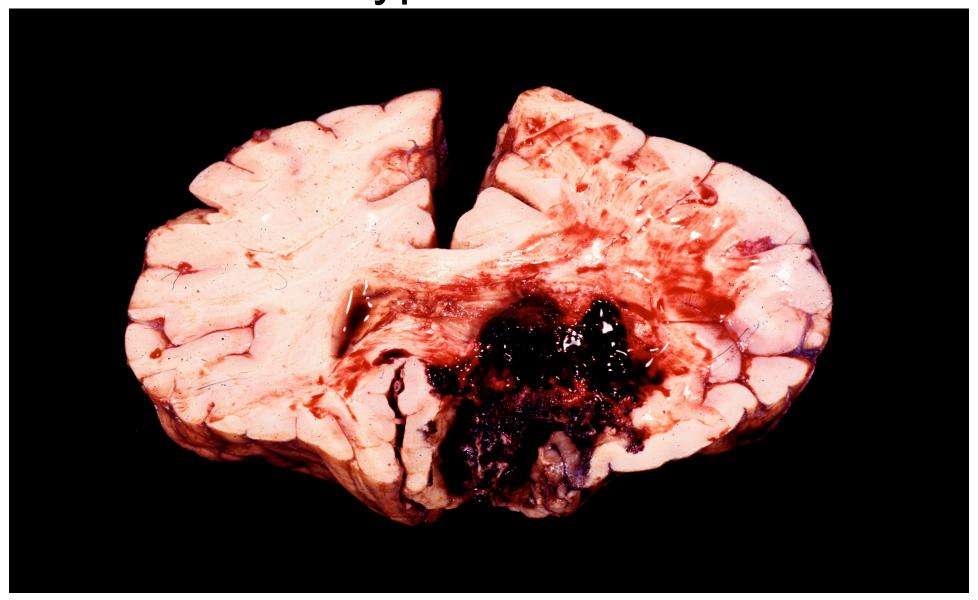
Pontine Hemorrhage



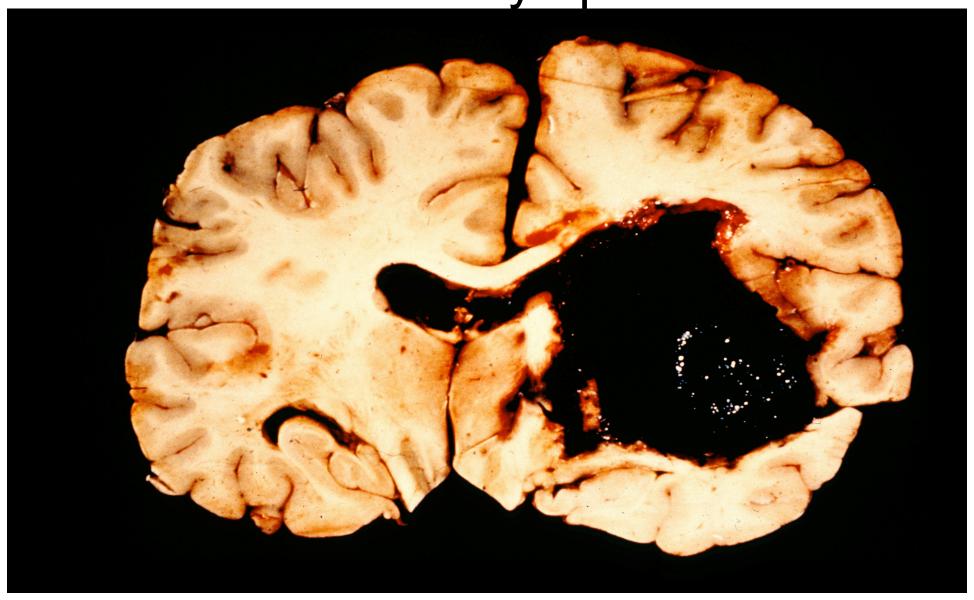
Cerebral Hemorrhage Mycotic Aneurysm



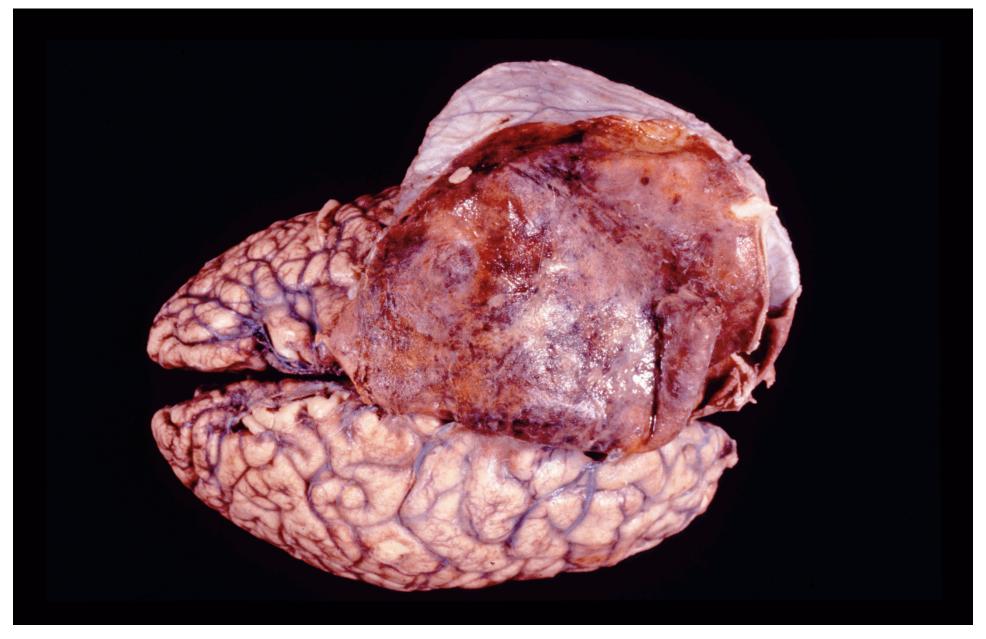
Cerebral Hemorrhage Hypertensive



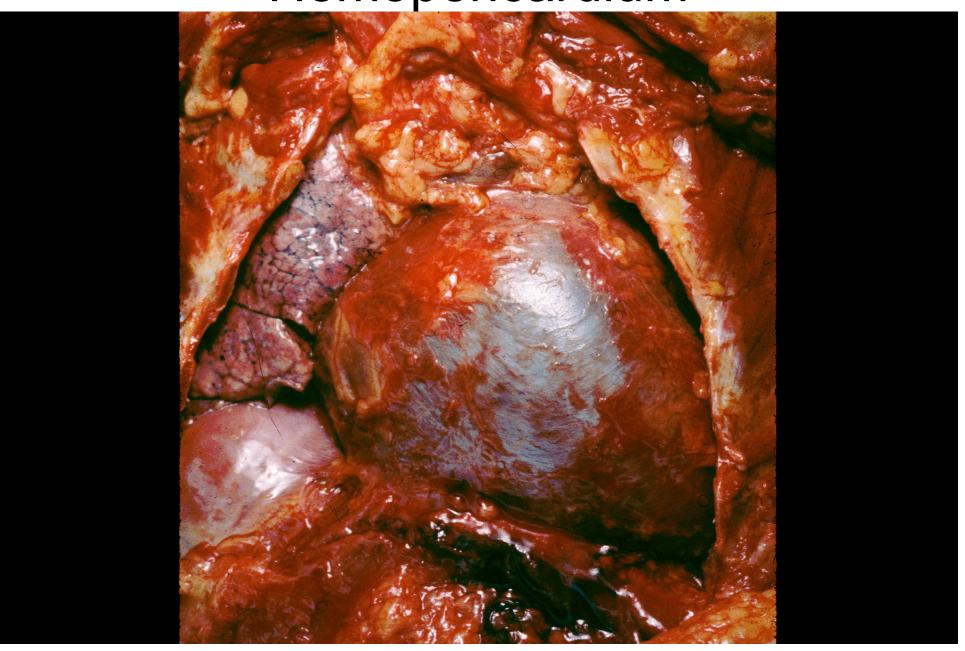
Cerebral Hemorrhage Thrombocytopenic



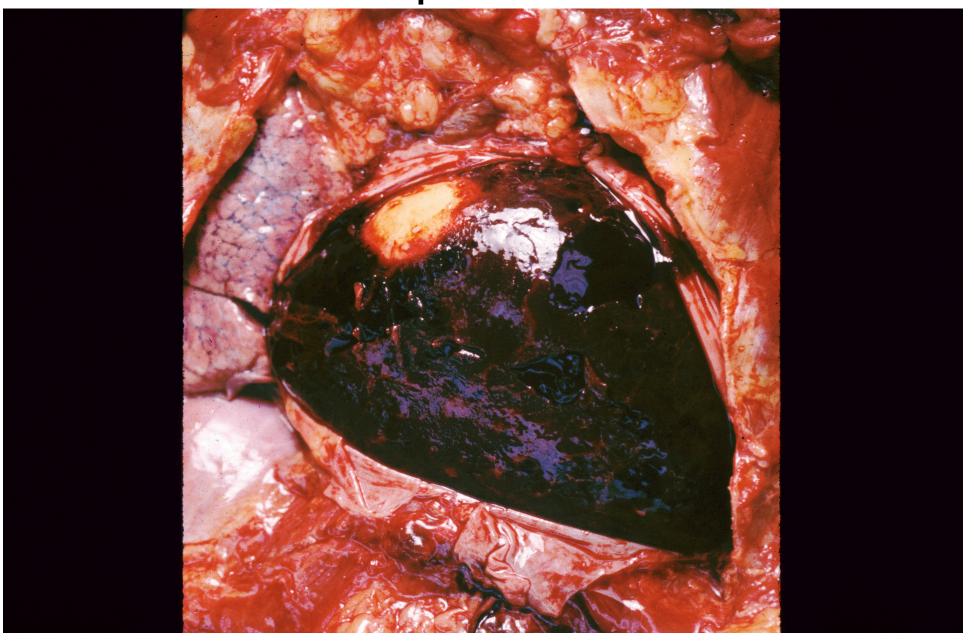
Subdural Hematoma



Hemopericardium



Hemopericardium



Systemic Effects of Hemorrhage

Exsanguination

Shock

Anemia of Chronic Blood Loss

Liver - Lacerations



Cecal Carcinoma

