



HEMOABDOMEN

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Hemoabdomen

- Trauma
- Neoplasia
- Anticoagulant



Hemoabdomen

- Acute
 - Collapse
- Chronic
 - Lethargy +/-
 - Exercise intolerant
 - Distended abdomen



Hemoabdomen

- Hypovolemic shock
 - Tachycardia
 - Tachypnea
 - Pale mucous membrane



Hemoabdomen

- Abdominocentesis
 - Blood
 - PCV



Hemoabdomen

- Differential diagnosis
 - Trauma
 - Neoplasia
 - Anticoagulant

Hemoabdomen

- Trauma
 - History
- Neoplasia: spleen liver adrenal
 - Radiograph
 - Ultrasound
- Anticoagulant
 - Coagulation profile

Hemoabdomen: Trauma

- Liver
 - Small lacerations
 - Parenchymal fractures
- Spleen
 - Lacerations
 - Parenchymal fractures
- Kidney
 - Lacerations

Hemoabdomen Trauma

- Fluid therapy
 - Crystalloids
 - Colloids
- Blood transfusion
 - Fresh whole blood

Hemoabdomen Trauma

- Abdominal compression
 - Bandage

Hemoabdomen Trauma

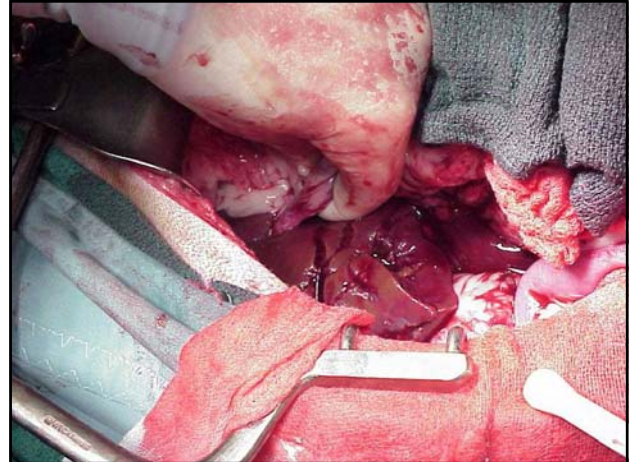
- Monitor clinical signs
- Abdominal exploration

Abdominal trauma Hemoabdomen

- Abdominal exploration
- Liver, spleen, renal artery

Abdominal trauma Hemoabdomen

- Pringle maneuver
 - Portal vein
 - Hepatic artery
 - 15 minutes



Hemoabdomen Trauma

- Liver inspection
- Debridement
- Suture each blood vessels
- Drainage
- Omentum
- Liver lobectomy



Hemoabdomen Trauma

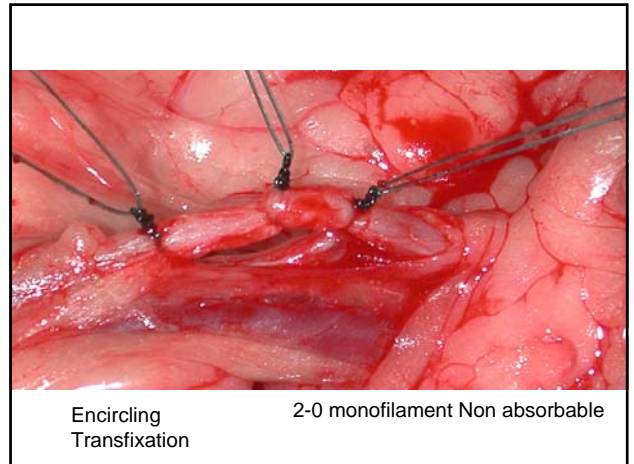
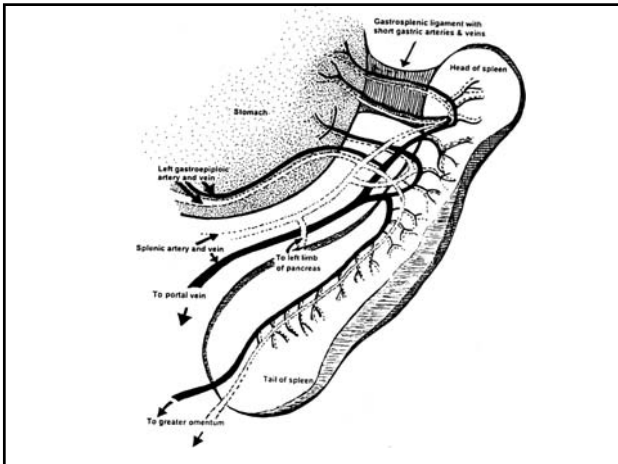
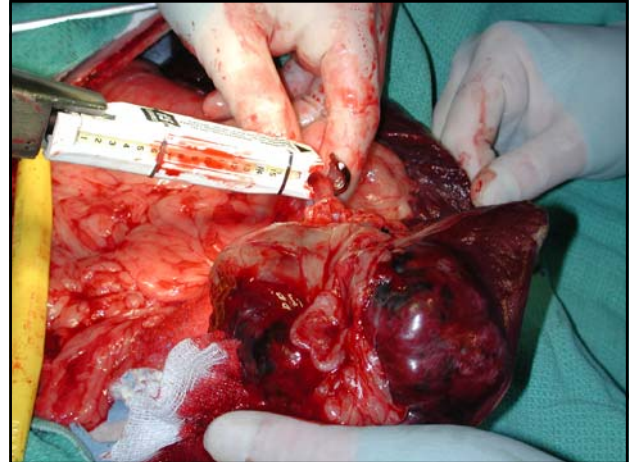
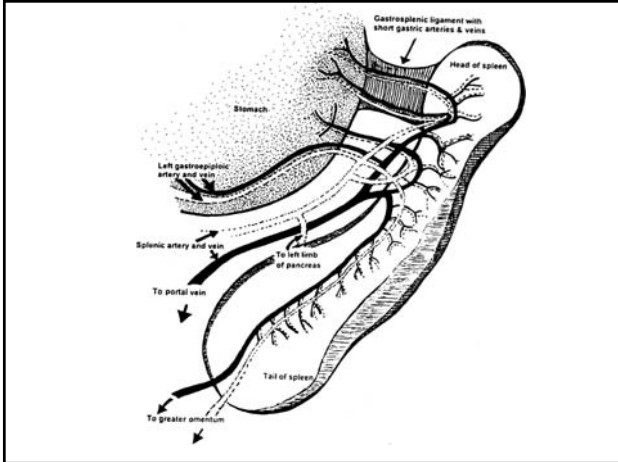
- Spleen
- Clamp on splenic artery
 - Decreased bleeding



Hemoabdomen Trauma


- Splenectomy
 - Hand suture
 - Staples
- Partial splenectomy
 - Surgical staples





Hemoabdomen Trauma

- Renal laceration
 - Renal artery
- Control parenchymal bleeding
 - Finger pressure
 - Vascular clamp

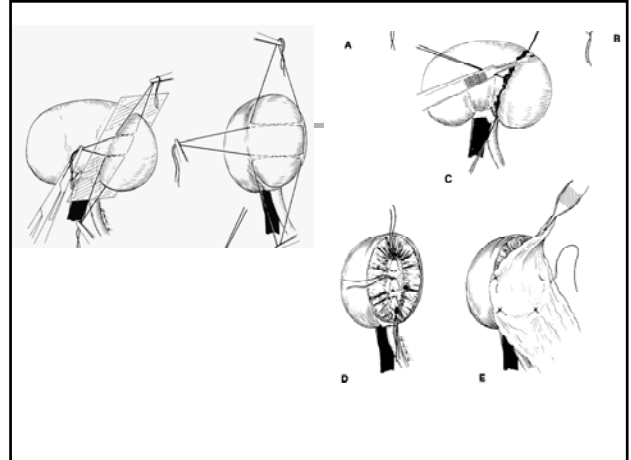


Hemoabdomen Trauma

- Minor laceration
 - Debridement
 - Omentum
 - Capsule closure or parenchymal sutures

Hemoabdomen Trauma

- Laceration at one pole
 - Partial nephrectomy



Hemoabdomen Trauma

- Severe laceration
 - Nephrectomy
 - Other kidney function???
 - Last option

Hemoabdomen: Neoplasia

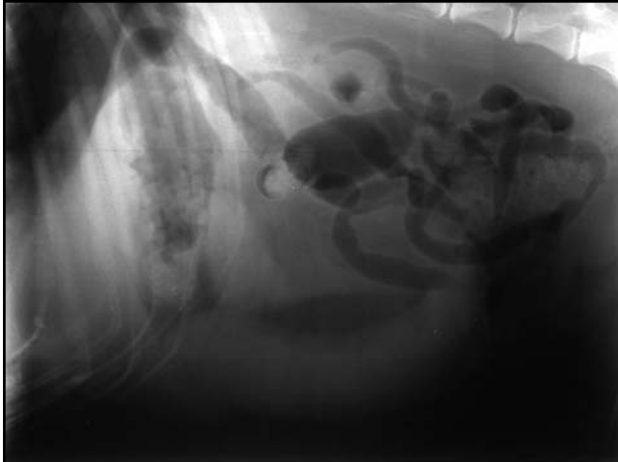
- Spleen: 50% neoplasia
 - Hematoma
 - Hemangioma
 - Leyomyoma
 - Hemangiosarcoma: 50%
 - Fibrosarcoma
 - Mast Cell tumors
 - Lymphoma

Hemoabdomen Neoplasia

- Liver
 - Carcinoma
 - Hemangiosarcoma
 - Hepatoma
 - Lymphoma


Hemoabdomen Neoplasia

- Adrenal tumor
 - Carcinoma
 - Pheochromocytoma
- Retrosperitoneal space




Hemoabdomen: Neoplasia

- Thoracic Radiographs
 - Pericardium
 - Metastasis




Hemoabdomen Neoplasia

- Ultrasound
 - Liver
 - Spleen
 - Adrenal



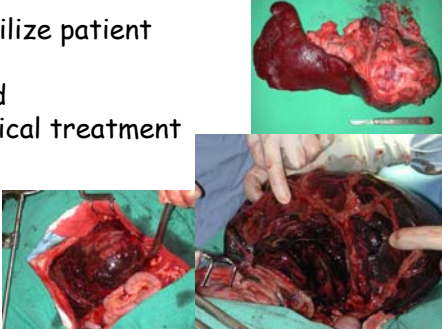
Hemoabdomen: Neoplasia

- Echocardiography
 - Pericardial effusion
 - Right atrial mass



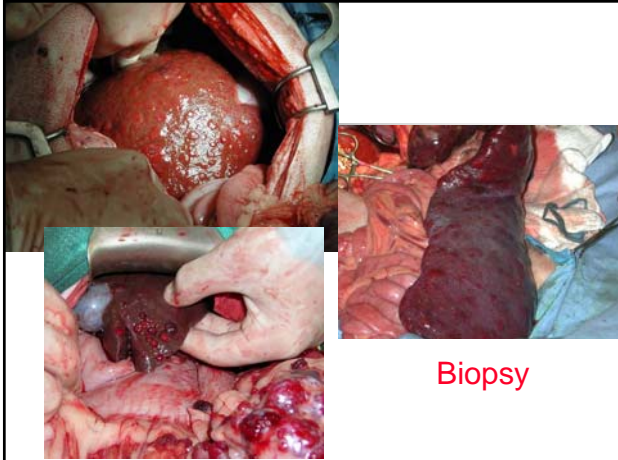
Hemoabdomen: Neoplasia

- Stabilize patient
 - Fluid
 - Blood
 - Surgical treatment
- DIC



Hemoabdomen Neoplasia

- Splenectomy
- Liver lobectomy
- Adrenalectomy



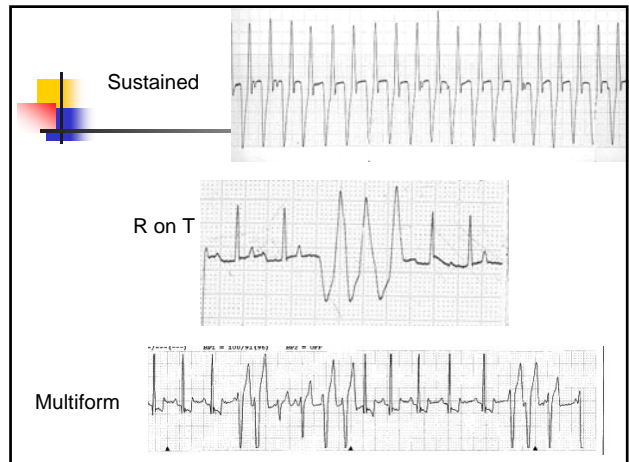
Biopsy

Hemoabdomen: Neoplasia

- Disseminated intravascular coagulation
 - Plasma
 - Heparine
 - 100 UI/Kg SQ TID

Hemoabdomen: Neoplasia

- Arrhythmias
 - 50% of cases
 - 48 to 72 hours after surgery
 - Ventricular premature contraction



Hemoabdomen: Neoplasia

- Lidocaine
 - 1 to 2 mg/kg IV bolus
 - 50 to 80 microgm/kg/min
- Procainamide
 - Bolus IV 10 mg/kg
 - 25-50 microgm/kg/min IV



Hemoabdomen Neoplasia

- Procainamide
 - 30 mg/kg TID orally
 - 2 weeks



Hemoabdomen

- Anticoagulant
 - Medical treatment
- Trauma
 - Rarely surgery
- Neoplasia
 - Surgery
 - Complications