

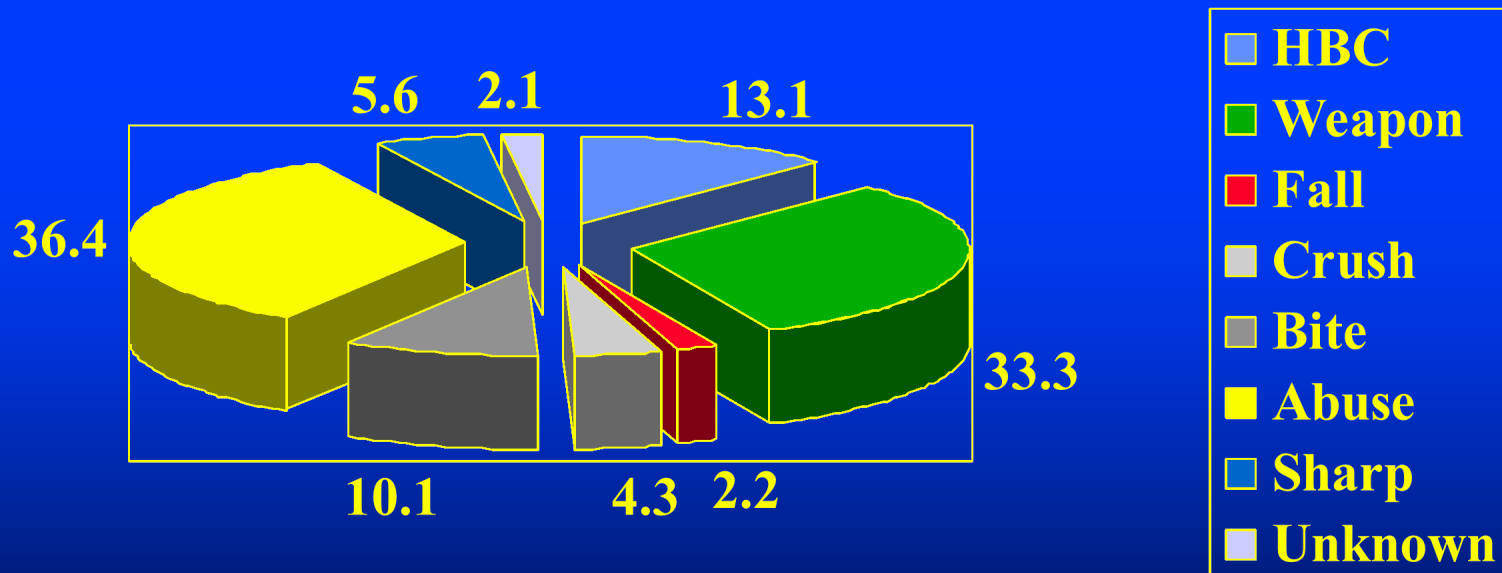
Management of Acute Abdominal Trauma

Outline

- Introduction
- Diagnosis
- Treatment
- Conclusion

Introduction

Abdominal Trauma in Dogs in the United States



Incidence in cats is unknown

Introduction

- Many causes to acute abdominal injury
- Some are easy to diagnose and some can be very challenging
- Principal causes
 - Blunt trauma (automobile or fall), penetrating injury (gunshot wound or bite wound) are most common types presented

Diagnosis

- Physical examination findings
- Diagnostic studies
- Experience with trauma cases

- These help to determine which patient can be managed conservatively and which must be rapidly taken to surgical therapy

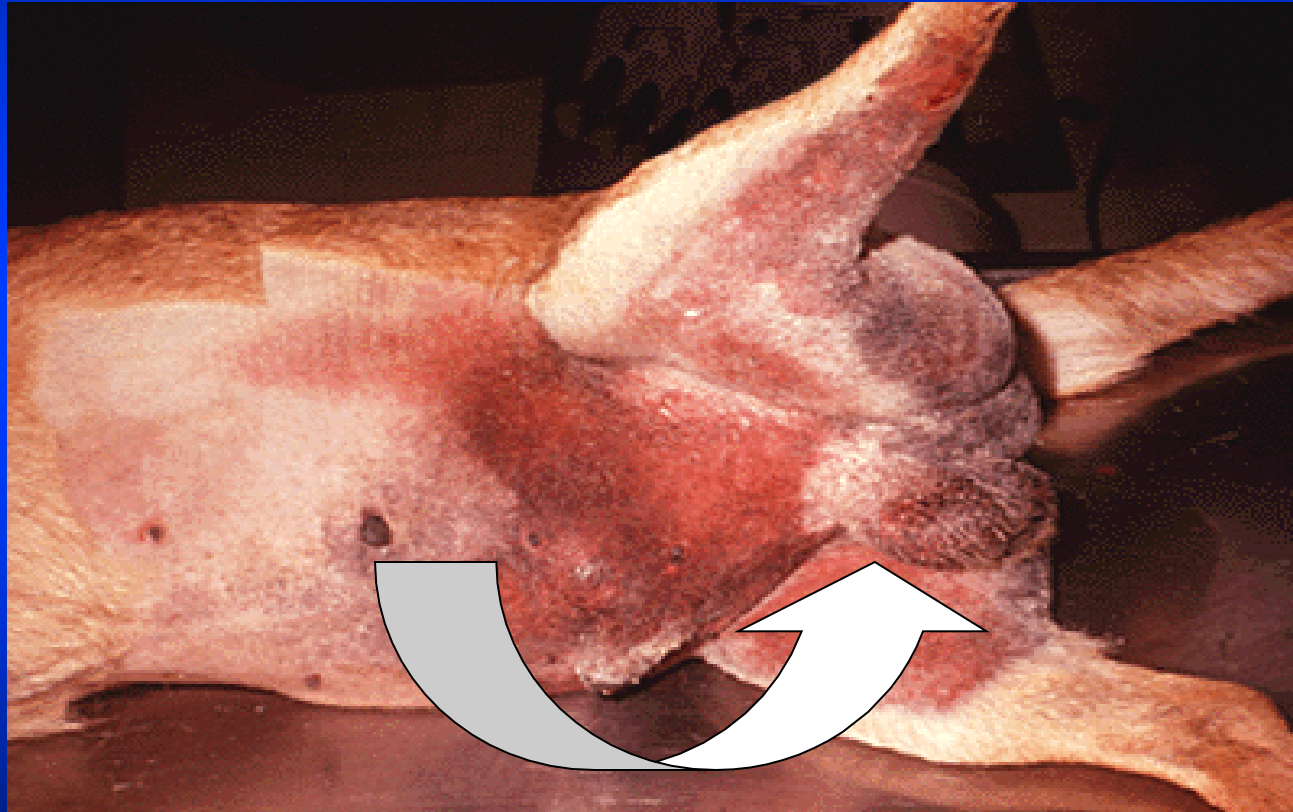
Diagnosis

- Blunt abdominal trauma cases are challenging diagnostic problems because the clinical manifestations may be delayed for hours or even days in some cases.

Diagnosis

- Physical examination is the most informative
 - Increasing abdominal size is an important clue for intra-abdominal hemorrhage
 - Palpate the abdomen for rigidity and pain
 - Many blunt injuries can cause internal bleeding and laceration of the liver and spleen

Examination



Severe Ventral Bruising

Examination



Examination

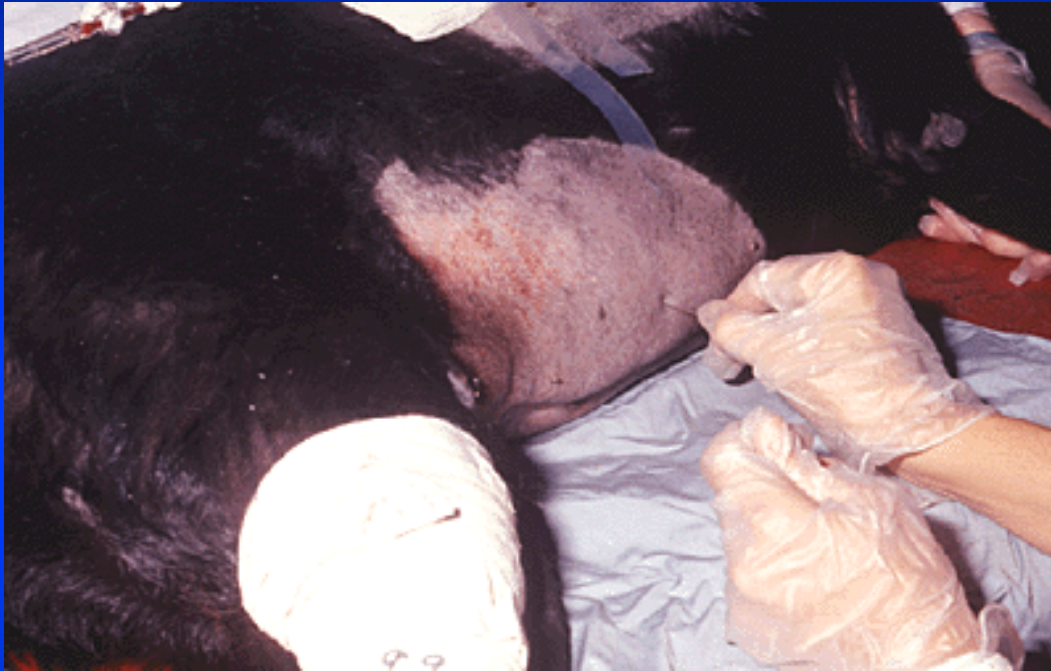
- Pale mucous membranes
- Weak pulse
- Profound hypovolemic shock



Patient Triage

- Often must begin stabilization therapy prior to complete diagnosis or during diagnostic procedures depending on severity of the condition
 - IV Fluids
 - Oxygen
 - Blood Transfusion

Diagnostic



4 Quadrant Abdominocentesis

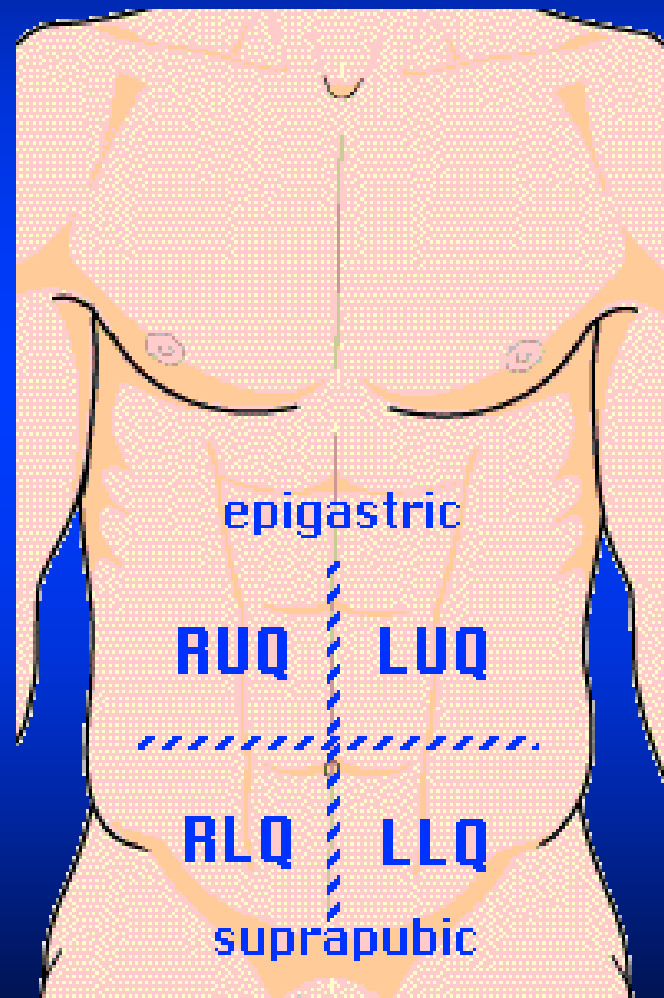
Fluid obtained is tested for :

HCT, Total solids, Cytology Blood Urea Nitrogen
Lipase, Amylase, and Bilirubin

Diagnostic



4 Quadrants



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