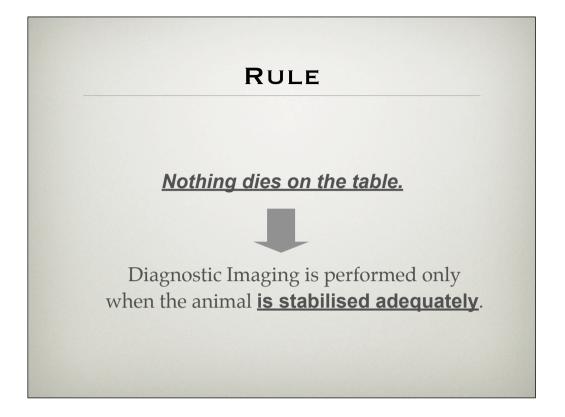
RADIOLOGY OF SMALL ANIMAL EMERGENCIES



PANAGIOTIS MANTIS DVM, DIPECVDI, FHEA, MRCVS



DIAGNOSTIC IMAGING

- Be ready to:
 - Supplement oxygen
 - •Hold patient
- Have the technique dialled in

DIAGNOSTIC IMAGING: AIMS

- Screening
- Definitive study
- Contrast radiography is usually used as a definite study

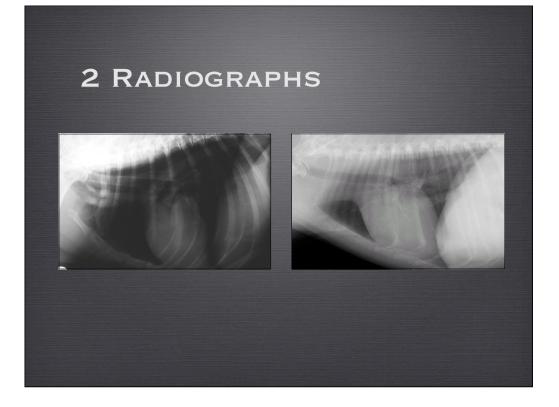
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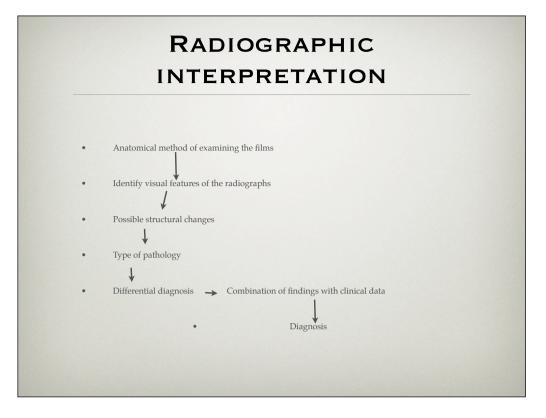


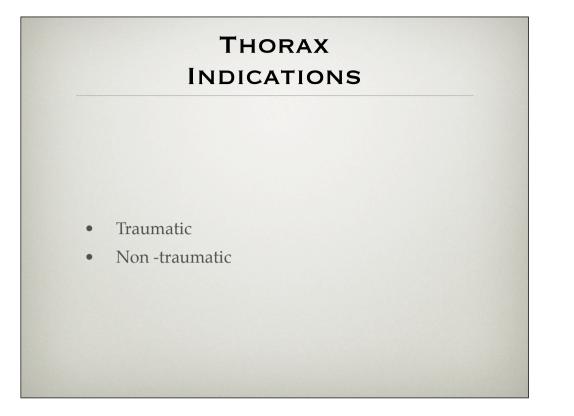




systematic method

- All parts of the films are actively examined
- Each abnormality is localised to a specific anatomic structure
- An appropriately specific diagnosis is made





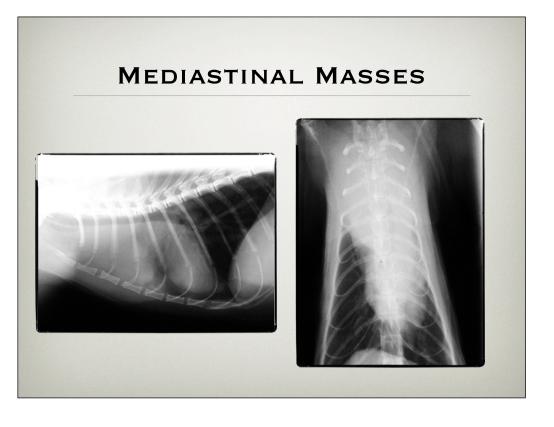
<section-header>**TRAUMA**• Fractured ribs• Pleural effusion• Diaphragmatic
rupture• Subcutaneous
swelling

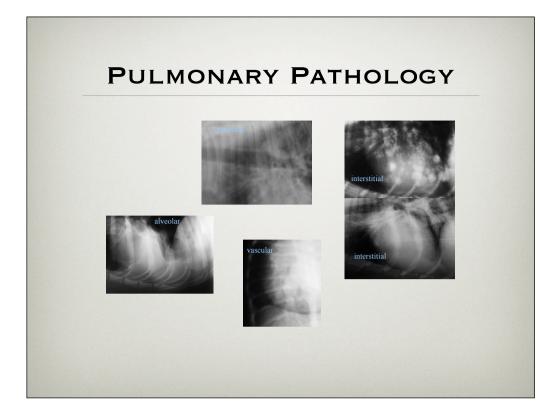
NON TRAUMATIC

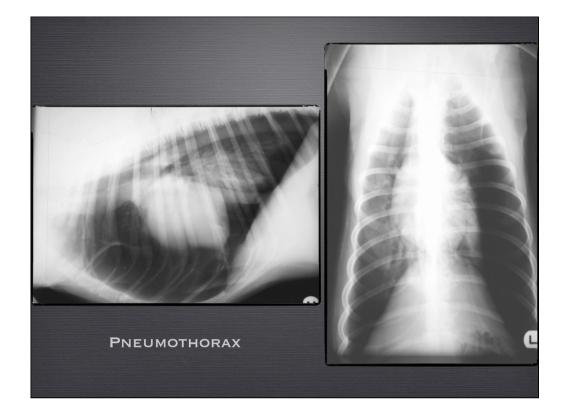
- Foreign bodies
- Mediastinal masses
- Suspected pulmonary pathology
- Pneumothorax
- Pleural effusion
- Cardiac Pathology



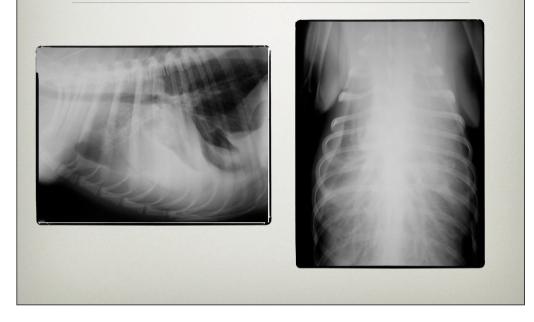


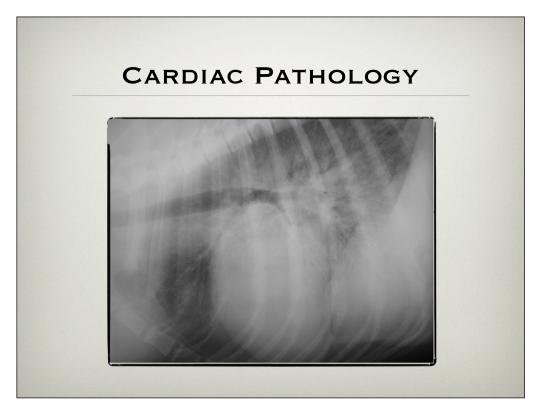


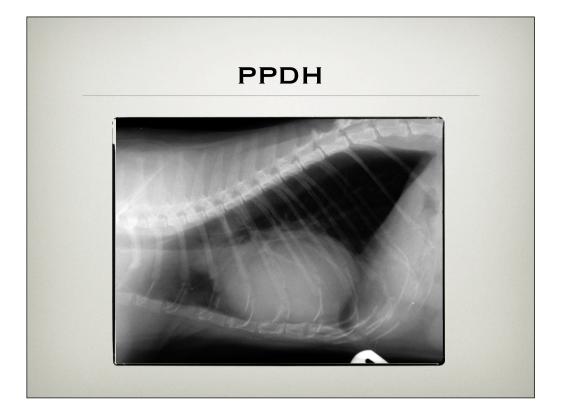


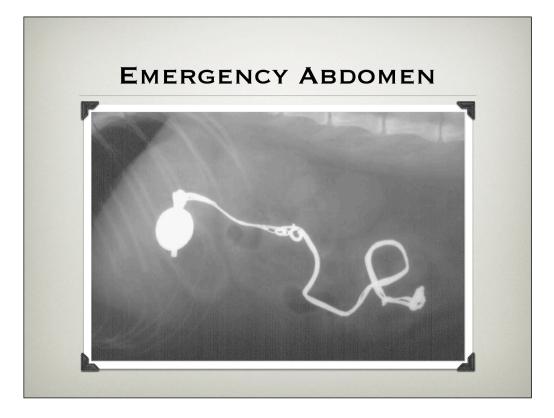


PLEURAL EFFUSION









Abdomen Indications

- Indication for radiology of the acute abdomen include:
 - GI signs
 - Dysuria/ anuria/ oliguria and other urinary tract signs
 - Suspected trauma
 - Suspected abdominal mass
 - Evaluation of free peritoneal / retroperitoneal fluid
 - Evaluation for possible metastasis



ORGANOMEGALY/ ORGAN

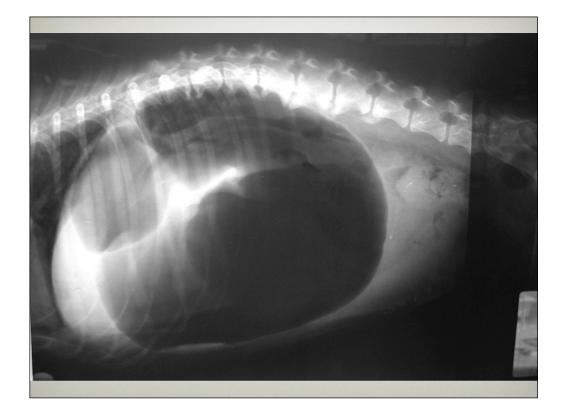
MASS

- Variable displacement of the adjacent organs depending on organ and location of the mass.
- Ultrasonography allows more detail evaluation of the exact location of a suspected mass



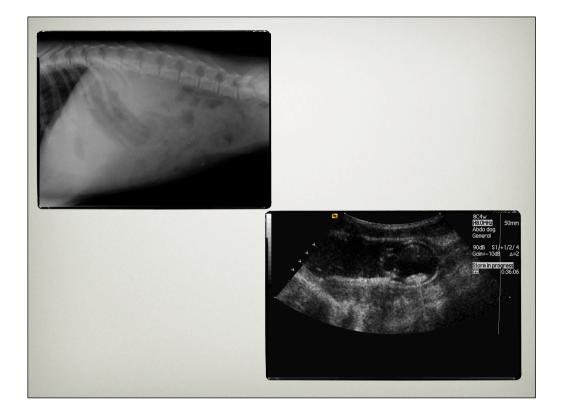
GASTROINTESTINAL

- To rule out intestinal obstruction or other intestinal abnormality e.g. rupture, GDV, hernias etc.
- For moderate to severe pancreatitis and gastritis ultrasonography is more useful.







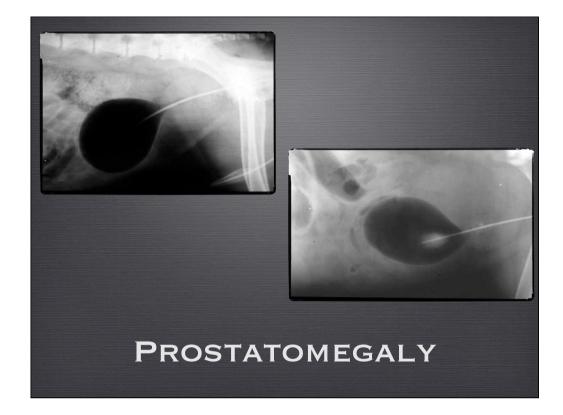




URETHRAL OBSTRUCTION/ DYSURIA

- Contrast urography is required when the diagnosis is not straightforward.
- Radiographic examination of the upper and lower urinary tract may be required in some patients.
- Ultrasonography can help in the evaluation of kidneys, ureters, bladder and prostate.





OLIGURIA/ ANURIA

• Findings on clinical examination will determine the necessity for abdominal radiographs i.e. palpation of mid-abdominal mass)

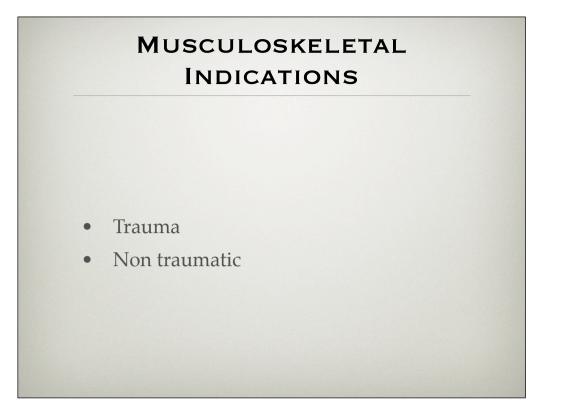


TRAUMA

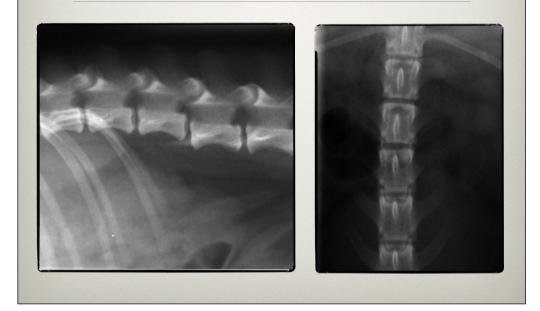
- Thoracic and abdominal radiographs are required for the evaluation of the patient.
- Also radiographs of the affected area(s).
- Remember that oblique/positional radiographs may provide extra information.





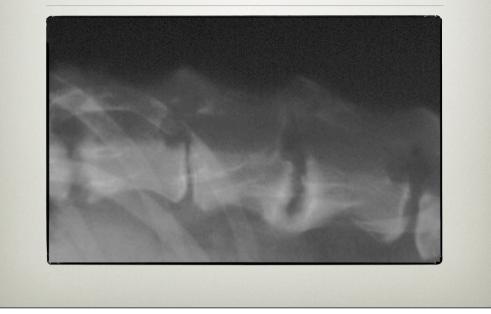


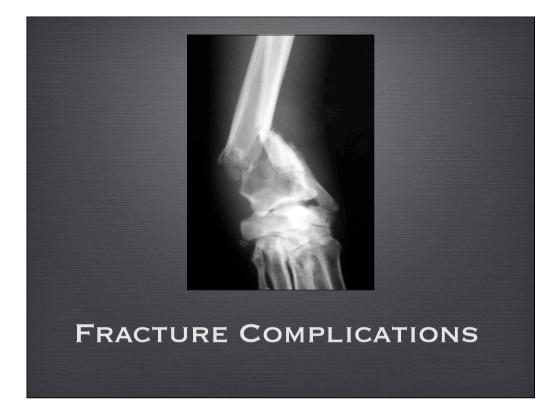
VERTEBRAL SUBLUXATION





DISCOSPONDYLITIS





"THE LESION IS USUALLY IN THE CORNER OF THE RADIOGRAPH"



