



**PATIENT PRESENTING CLINICAL SIGNS**

Maggie Ferrante Started loosing weight since December. ALT, AST and ALP elevated.

**RADIOGRAPHIC STUDY OF THE ABDOMEN**

**SPECIES** Radiographs of the thorax in three imaging planes are provided for review.

Canine **RADIOGRAPHIC FINDINGS**

**BREED**

Beagle

**SEX**

Female Spayed

**AGE**

12 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

St. Catherine's Animal  
Hospital

**REFERRING VET**

Dr. Jui Gokhale

**INVOICE**

57402

**DATE**

3-23-23

Multifocal mild spondylosis formation is seen along the lumbar spine. Mineralized material is superimposed on the ventral aspect of the neuroforamina L1/L2 to L4/L5. The pictured parts of one stifle joint presents moderate osteophyte new bone formation.

No abnormalities of the extraabdominal soft tissues are noted. The abdominal wall is smooth and thin. The serosal detail is maintained throughout the peritoneal and retroperitoneal space.

Marked enlargement of the right aspect liver is appreciated, protruding far caudally beyond the costal arch – up to the level of L4/L5 – and presenting convex shaped caudal margins. The gastric axis is deviated caudally, and the pylorus is displaced dorsally and to the left by the mass effect. The small intestinal loops are deviated.

The spleen can be appreciated as lancet shaped structure along the left abdominal wall.

Both kidneys are seen and present with normal size, shape, delineation and opacity. The urinary bladder is in its anticipated position. No radiopaque calculi are noted throughout the upper and lower urinary tract.

The stomach is in its anticipated position and presents normal content.

The small intestinal loops are of even diameter and non-dilated, a small amount of gas is seen within the small intestinal loops and considered within normal limits.

The colon is seen in the expected position and presents with appropriate content.

**RADIOGRAPHIC DIAGNOSIS**

- Right sided hepatic soft tissue mass
- Mineralized material superimposed on neuroforamina L1/L2 to L4/L5 – lateral spondylosis formation versus mineralized IVD protrusion
- Degenerative osteoarthritis one stifle joint
- Generalized osteopenia
- Spondylosis deformans

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The appreciated hepatic is suggestive for primary hepatic soft tissue neoplasia (e.g. hepatocellular adenoma/carcinoma). Regeneration nodules or large hepatic cysts are considerations. An abdominal ultrasound examination including FNA sampling can be used for further definition. A CT study might help for decision making of surgical intervention is an option.

The appreciated osteopenia can be an age related finding, the most likely differential is hyperparathyroidism (primary versus secondary (e.g. renal disease)).



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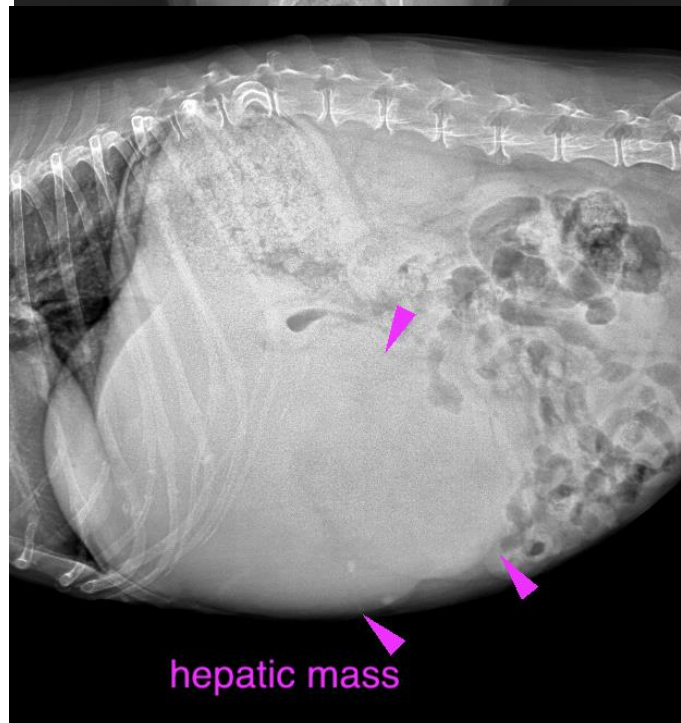
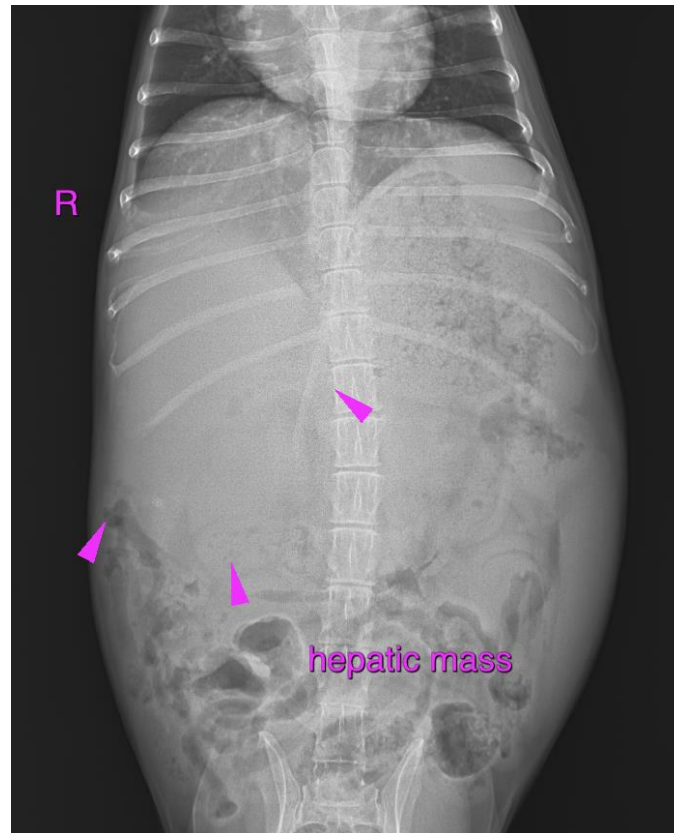
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SEX**

Female Spayed

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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