



PATIENT PRESENTING CLINICAL SIGNS

Thomas Cardona History: Diarrhea past 2 days becoming hemorrhagic and vomiting.

SPECIES Physical Examination: Distended abdomen, tenesmus.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: N/A.

Miniature Schnauzer Radiographic Findings: N/A.

SEX

NM

AGE

14 years

WEIGHT

15.6 #

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD,
Dipl. ECVIM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Small urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and pelvis.

Reproductive System

Small hypoechogenic prostate.

Adrenal Glands

Normal shape, echogenic appearance, size, and position. Left 1.74 x 0.5 cm, right 1.42 x 0.6 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size with a diffuse coarse echogenic appearance, and some loss of portal markings. No nodules or masses evident. Full gall bladder containing both non-adherent and adherent hyperechoic sediment, with the later in a stellate pattern. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, and colon with normal wall thickness, no loss of layering, or distension of the lumen. Ingesta within the stomach. Fecal material within the colon.

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Dr Paul Kim

HOSPITAL NAME

Ridgefield Park Animal
Hospital

REFERRING VET

Dr Paul Kim

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PATIENT *Pancreas*

Thomas Cardona Normal size (1 cm and 1.1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.

BREED Multiple irregular mottled echogenic masses (up to 3.1 cm) in the caudal abdomen.
No ascites.

Miniature Schnauzer

SEX **ULTRASONOGRAPHIC FINDINGS**

NM Primary findings:

- Caudal abdominal mass/lymph nodes.
- Hepatomegaly.
- Mucocele.

AGE Secondary findings:

- Age-related renal changes.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although the position of the caudal abdominal masses are in the region of the sub lumbar lymph nodes, they do not have either the shape or echogenic appearance of lymph nodes. Etiologies to considered would be neoplasia and granulomas and if lymph nodes then infiltrative neoplasia.

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Etiologies for the hepatopathy would be reactive, vacuolar, metabolic, chronic hepatitis, early cirrhosis, early nodular regeneration, and infiltrative neoplasia.

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The appearance of the gall bladder is typical for a mucocele.

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Further assessment would be CBC, serum biochemistry, 3-view thoracic radiographs, and FNA cytology of the liver and masses.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the liver and gall bladder would be ursodiol.

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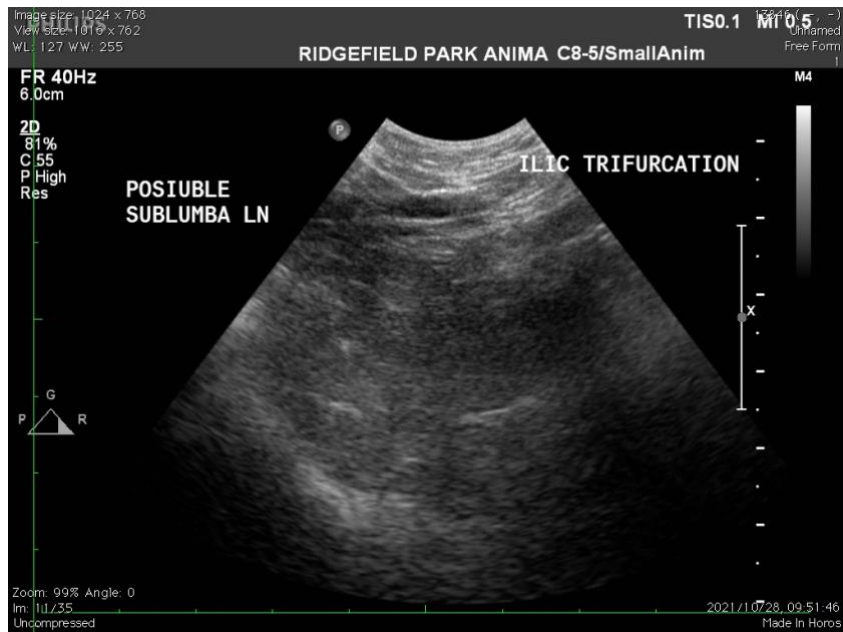
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IMAGES

Caudal abdomen



Liver





PATIENT

Gall bladder

Thomas Cardona

SPECIES

Canine

BREED

Miniature Schnauzer

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

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.

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