



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Rou Abou-Alam History: Progressive elevation of liver enzyme active.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Elevated liver enzyme activity and urea.

Sheltie Radiographic Findings: N/A.

SEX

MN

Age

13 years

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

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

14.9 kg Normal iliac lymph nodes (0.6 cm, 1.7 cm) Ureters not visualized.

Normal renal size (left 5.4 cm, right 5.8 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule. Focal cortical cyst in the right kidney (1 cm). Mineralization within the left kidney.

INTERPRETED BY

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

Reproductive System

Small hypoechogenic prostate (1.4 cm).

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Dr Gira

Adrenal Glands

Normal shape, echogenic appearance, and position but bilaterally enlarged. Left 0.66/0.92 cm, right 0.79/0.71 cm.

HOSPITAL NAME

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Spleen

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

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Liver

INVOICE

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Normal size with increased echogenic appearance, loss of portal markings, and regular curvilinear capsule. Large mottled echogenic poorly vascularized target lesion parenchymal mass (4.3 cm) in the left liver lobe. Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct.

DATE

12/16/22

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.


PATIENT *Pancreas*

Rou Abou-Alam Normal size (right 1.5 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine Normal mesenteric lymph nodes (1.2 cm).
No ascites.

BREED Normal size of portal vein and caudal vena cava.

Sheltie

ULTRASONOGRAPHIC FINDINGS

SEX Primary Findings:

- MN
 - Hepatic mass.
 - Hepatopathy.
- Age**
 - Adrenomegaly.

13 years Secondary Findings:

- WEIGHT**
- Age-related renal changes.

14.9 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
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Etiologies for the hepatic mass would be hepatoma and neoplasia with granuloma, a differential diagnosis.

Etiologies for the hepatopathy would be reactive, metabolic, secondary to the mass, chronic hepatitis, and infiltrative neoplasia.

The most likely etiology for the adrenomegaly would be disease stress with pituitary-dependent Cushing's disease, a differential diagnosis.

Further assessment needs to be based on the pending cytology results but could include 3-view thoracic radiographs and adrenal function testing (ACTH stimulation/LDDS test).

Specific therapy would be dependent on an etiological diagnosis. Although the hepatic mass appears well circumscribed and demarcated, CT would be recommended if surgical resection is being contemplated.

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PATIENT

Rou Abou-Alam

SPECIES

Canine

BREED

Sheltie

SEX

MN

Age

13 years

WEIGHT

14.9 kg

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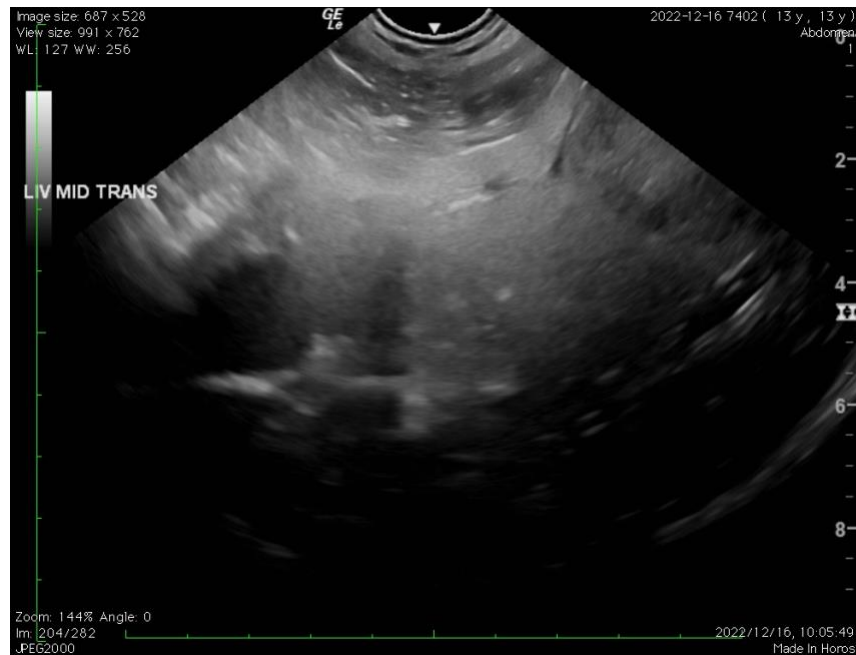
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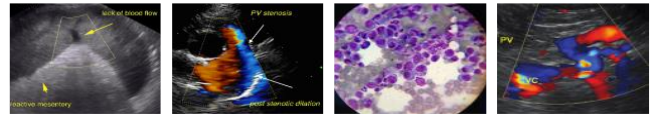
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IMAGES

Liver





PATIENT

Rou Abou-Alam

SPECIES

Canine

BREED

Sheltie

SEX

MN

Age

13 years

WEIGHT

14.9 kg

Spleen



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ECVIM

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.

IMAGING PERFORMED BY

Dr Gira

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.

HOSPITAL NAME

Resolution Veterinary
Ultrasound

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za

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