



**PATIENT PRESENTING CLINICAL SIGNS**

Maxx Keyser History: Knuckling of left hind limb since developing. Diabetic – on insulin and NSAIDs.

**SPECIES** Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

**BREED** Serum Biochemistry: N/A.

Labrador Radiographic Findings: N/A.

**SEX**

MN

**AGE**

8 years

**WEIGHT**

94 #

**INTERPRETED BY**

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

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal appearance and thickness 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 (left 5.1 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and pelvis.

**Reproductive System**

N/A.

**IMAGING PERFORMED BY**

Dr Paul Kim

**Adrenal Glands**

Left – large irregular mottled echogenic mass (3.1 cm) that appears to be infiltrative into the surrounding vasculature.

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Hospital

Right - normal shape, echogenic appearance, position and size (1.1 x 0.65 cm).

**REFERRING VET**

Dr Paul Kim

**Spleen**

Normal size (1.9 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

**INVOICE**

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Normal size with increased echogenic appearance, and some loss of portal markings. No nodules or masses evident. Small gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct.

**DATE**

3/16/22



**PATIENT** *Gastrointestinal*

Maxx Keyser Normal appearance of the duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.28 cm) and peristaltic activity, and no distension of the lumen. Small amount of ingesta within the stomach.

**SPECIES**

Canine

*Pancreas*

**BREED**

Labrador

Normal size (0.9 cm, 1.3 cm)) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SEX**

No mesenteric lymphadenomegaly.  
No ascites.

**MN**

**AGE**

8 years

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Left adrenal mass.
- Hepatopathy.

**WEIGHT**

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Secondary Findings:

- Age-related renal changes.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the adrenal mass would be nonfunctional carcinoma and pheochromocytoma.

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The most likely etiology for the hepatopathy would be secondary to the diabetes with vacuolar, reactive, early cirrhosis, and chronic hepatitis differential diagnoses.

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Further assessment would be 3-view thoracic radiographs, blood pressure, FNA cytology of the adrenal mass and liver, and serum/urine catecholamine assay.

Specific therapy would be dependent on an etiological diagnosis.

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**PATIENT**

Maxx Keyser

**SPECIES**

Canine

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Labrador

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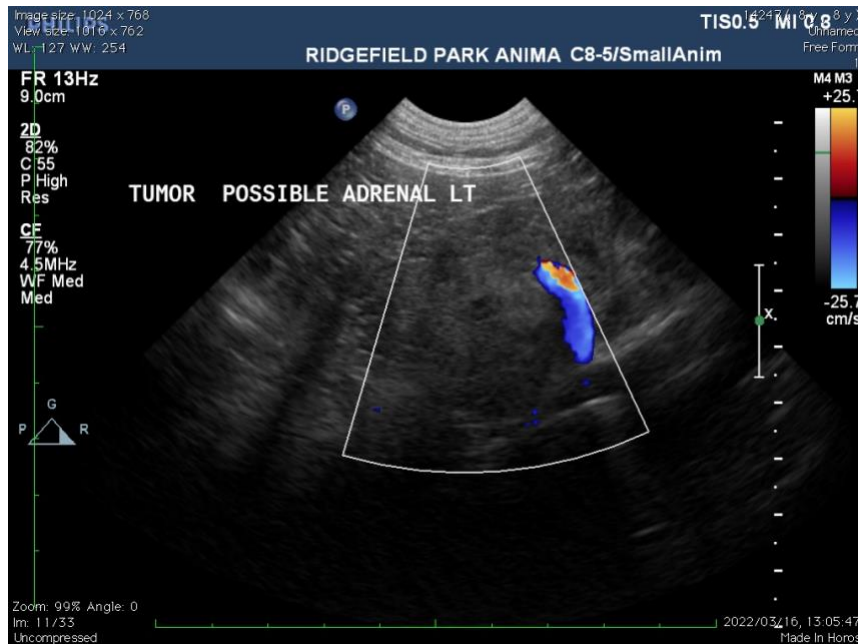
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**DATE**

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**IMAGES**

**Left adrenal**





**PATIENT** Liver

Maxx Keyser

**SPECIES**

Canine

**BREED**

Labrador

**SEX**

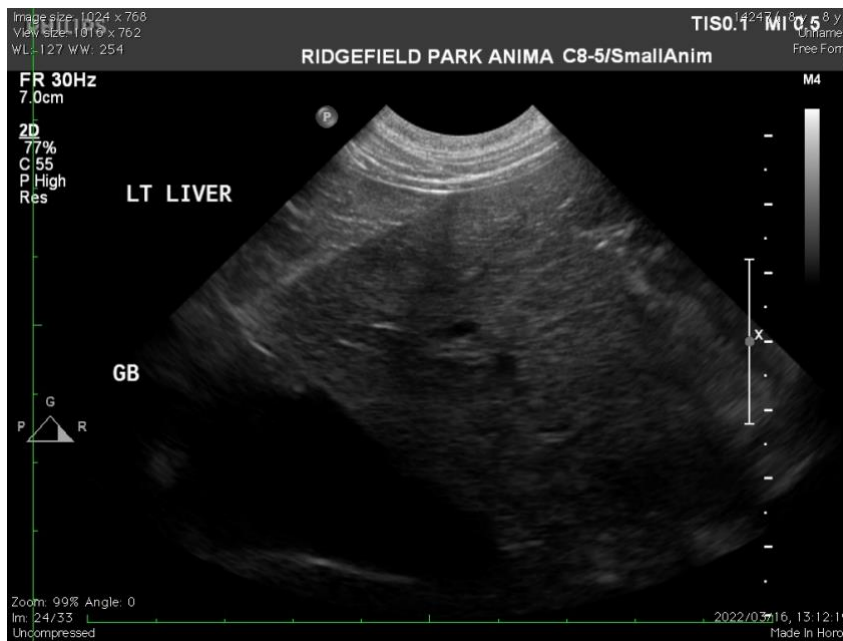
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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

**IMAGING PERFORMED BY**

Dr Paul Kim

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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**HOSPITAL NAME**

Ridgefield Park Animal Hospital

**REFERRING VET**

Dr Paul Kim

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