



PATIENT PRESENTING CLINICAL SIGNS

Marvin Flaig History: PuPd past month.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.012, 3+ protein, negative sediment.

CBC: N/A.

BREED Serum Biochemistry: Elevated liver enzyme activity, cholesterol, triglycerides, and PSL.

Mixed Radiographic Findings: N/A.

SEX

MN

AGE

9½ years

WEIGHT

55#

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 7 cm, right 6.7 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and pelvis.

Reproductive System

Small hypoechogenic prostate (0.8 cm).

Adrenal Glands

Mottled echogenic masses in the cranial pole of the left gland (2.01 x 2.09 cm) and in the caudal pole (2.09 x 2.89 cm) of the right gland with no obvious invasion into the surrounding vasculature.

Spleen

Normal size with increased echogenic appearance. Diffuse small hyperechogenic parenchymal nodules. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size with a diffuse hyperechogenic appearance and some loss of portal markings. Focal hypoechogenic parenchymal nodule in the right lobe, No masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

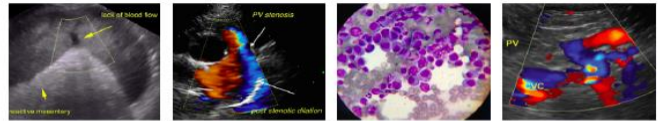
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302842

DATE

3/26/22



PATIENT *Gastrointestinal*

Marvin Flaig Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.39 cm, jejunum 0.39 cm) and peristaltic activity, and no distension of the lumen.

SPECIES

Canine *Pancreas*

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Pancreas

Normal size with a diffuse hyperechogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

No mesenteric lymphadenomegaly.
No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Bilateral adrenal masses.
- Splenic pathology.
- Hepatopathy.
- Pancreatic fibrosis.

Secondary Findings:

- Age-related renal changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The most likely etiology for the adrenal masses would be functional non-invasive carcinomas.

Etiologies for the spleen would be reactive, hyperplasia, mineralization, splenitis, and infiltrative neoplasia.

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

Further assessment would be 3-view thoracic radiographs and FNA cytology of the adrenal masses, liver, and spleen.

Consultation with an oncologist would be recommended as to the best management of the adrenal neoplasia.



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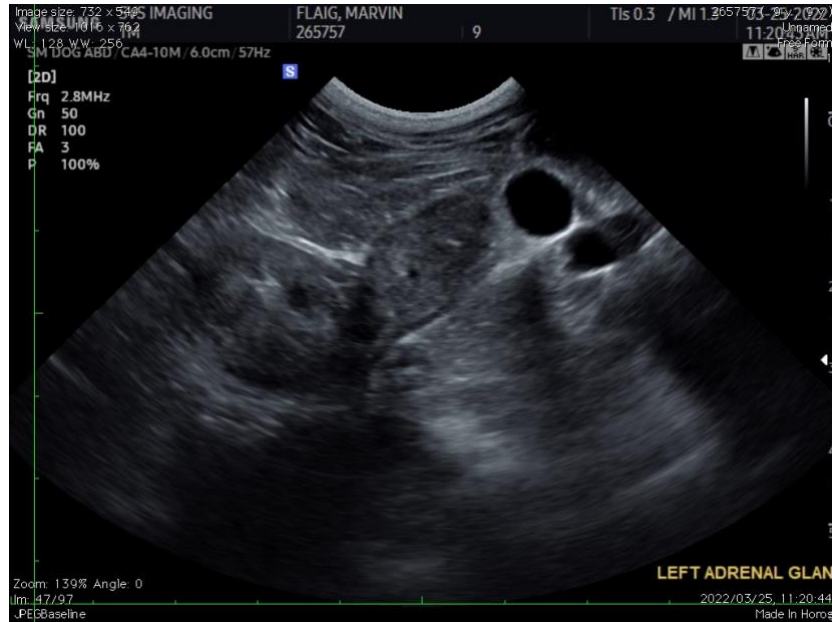
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IMAGES

Left adrenal



Right adrenal





PATIENT Spleen

Marvin Flaig

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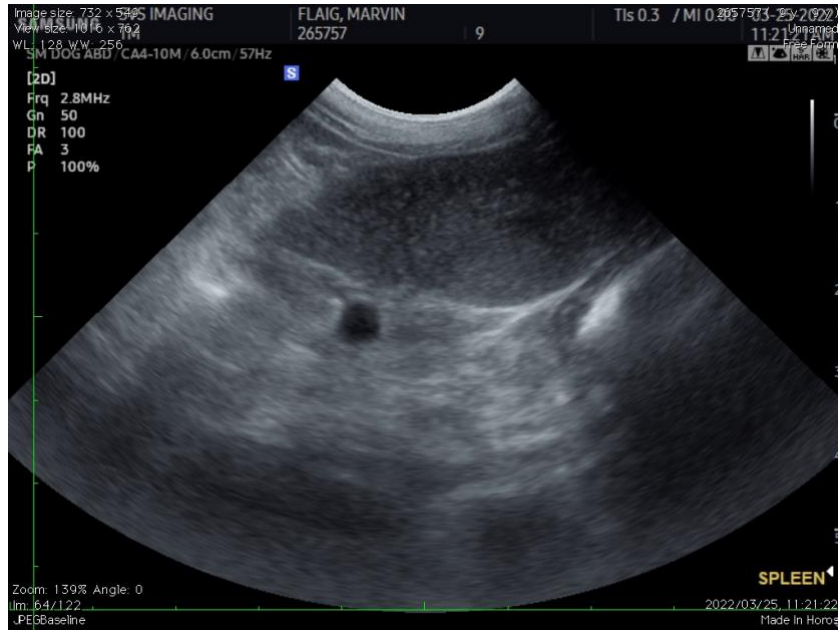
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Liver

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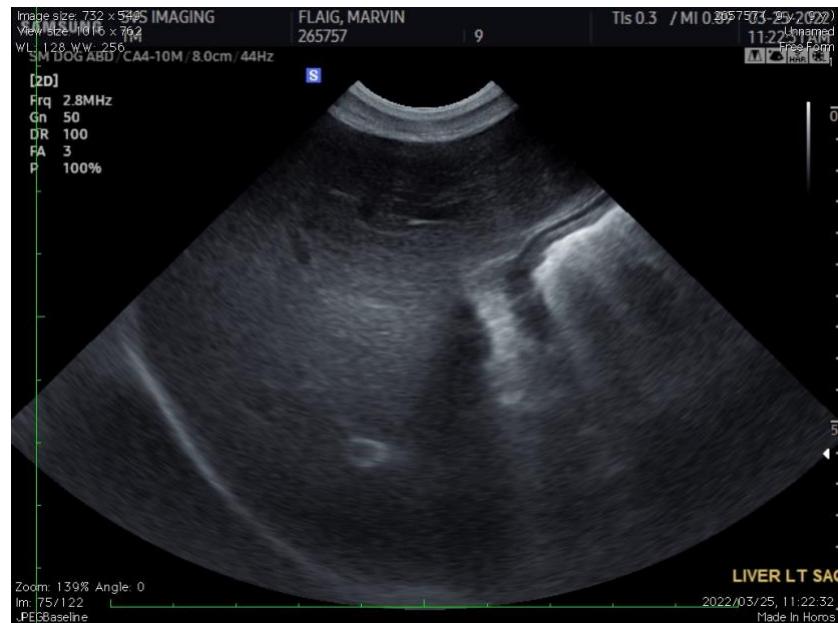
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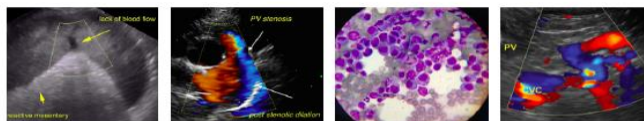
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PATIENT Pancreas

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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.

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Tom McNeill

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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