



PATIENT PRESENTING CLINICAL SIGNS

Ringo Last 1. Resolving otitis externa AS 2. Pot-bellied appearance and chronic skin issues (allergies/pruritus) 3. Grade 2 tartar 4. Lenticular sclerosis, decreased vision at night per O **P was able to follow gauze drop to floor, positive menace response -- indicative that vision is still somewhat intact** 5. Otherwise normal on exam

SPECIES

Canine

BREED

Terrier mix

Abnormal PE/Chem/CBC/UA Results: Chronic elevated ALKP (last check July 2022 - 1803 U/L) Chronic elevated PLT (596 K/uL) Current Medications Fortiflora (1 packet SID), started yesterday Radiographic Findings N/A

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

MN

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

11yr

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.6 cm in length. The right kidney measured 5.0 cm in length

WEIGHT

20lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology measuring 0.74 cm in diameter.

IMAGING PERFORMED BY

Sara Hansen

Adrenal Glands

The bilateral adrenal glands were borderline prominent in size based on caudal pole width and body weight. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.2 cm length and 0.56 cm width in the caudal pole. The right adrenal gland measured 1.8 cm length and 0.57 cm width in the caudal pole.

HOSPITAL NAME

The Veterinary Hospital

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

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Liver

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder

DATE

12/05/2022



PATIENT was non-distended in size with primarily anechoic luminal content and mild non-organized echogenic debris in the caudal lumen. The cystic and common bile ducts were normal.

Ringo Last

Gastrointestinal

SPECIES

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

Canine

BREED

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Terrier mix

Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

Pancreas

MN

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

AGE

11yr

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

20lb

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

- Benign hepatopathy-suggestive of vacuolar hepatopathy pattern
- Mild gallbladder debris (non-mucocele)
- Mild age-related kidney changes
- Borderline prominent to heterogeneous adrenal glands
- Heterogeneous pancreas

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A full adrenal work up given the elevated liver enzymes, adrenal presentation and concurrent thrombocytopenia is suggested if clinical signs consistent with Cushing's syndrome are present. A full urinary workup including UA, C/S and UPC level if evidence of proteinuria is suggested. Hepatosupportive medications such as Denamarin or Vitamin E as well as Ursodiol due to its antioxidant and immunomodulatory effects within the liver would be warranted, although these medications may not result in decreased hepatic enzyme levels. If Cushing's syndrome is ruled out a screening hepatic FNA cytology could be considered.

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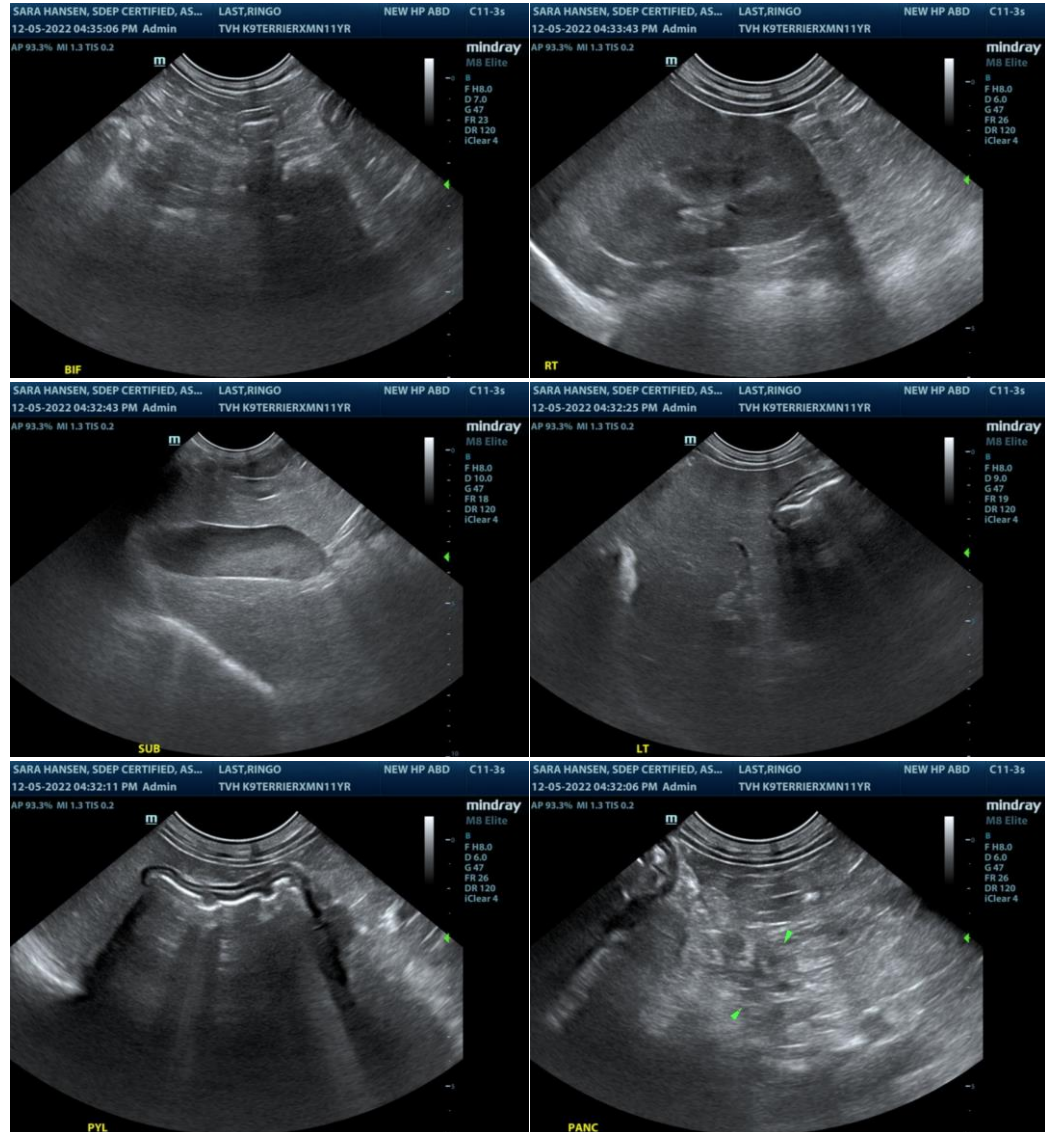
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PATIENT

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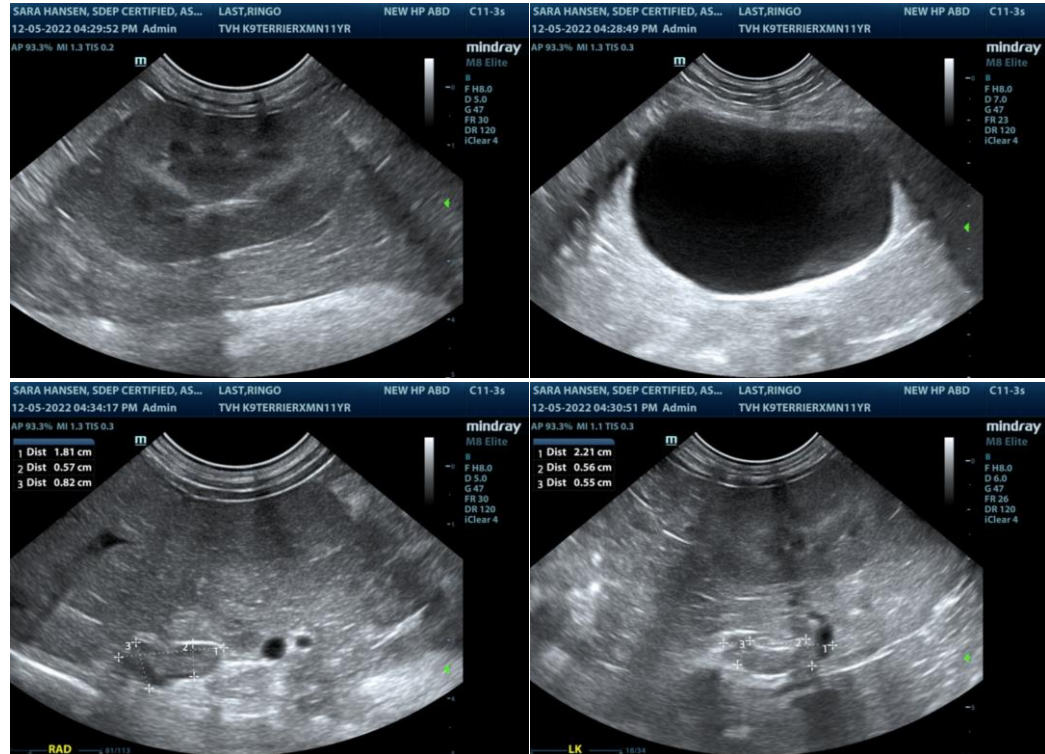
MN

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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.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com

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