



PATIENT PRESENTING CLINICAL SIGNS

Hugo Morrow Patient has ongoing heart disease - Grade V /VI Bloodwork recently completed abdomen is distended/bloated - AFAST did not show free fluid meds:

SPECIES Cartrophen inj q30days; Fortekor 1.25 mg SID; Cerenia 12 mg EOD; Sulcrate 1.5 ml when needed for upset tummy; Vetmedin 1.25 mg BID, Furosdmie 10 mg q12h; Gabapentin 50 mg q12h

Canine

Abnormal PE/Chem/CBC/UA Results: please see attached labs

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Pomeranian

Urinary System

SEX

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

MN

AGE

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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Minor areas of medullary mineral and cortical cysts were present. The left kidney measured 4.3 cm in length. The right kidney measured 4.6 cm in length.

14yr

WEIGHT

The area of the aortic trifurcation was free of pathology.

5.5kg

The area of the residual prostate appeared normal and free of pathology.

INTERPRETED BY

Adrenal Glands

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

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.7 cm length and 0.53 cm width in the caudal pole. The right adrenal gland measured 2.0 cm length and 0.68 cm width in the caudal pole.

IMAGING PERFORMED BY

Spleen

Kelly Rechny

The spleen exhibited overall normal size and symmetrical capsule contour. Generalized parenchyma heterogeneity was present with a solitary isoechoic mildly expansive mass in the medial to craniomedial spleen with concurrent associated capsule distortion. No evidence of parenchymal escape was present. Concurrent small likely benign hyperechoic myelolipomas were present.

HOSPITAL NAME

Oxford County VC

Liver

REFERRING VET

Dr. Halton

The liver was mild to moderately enlarged with normal structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Focal to intermittent mild irregular non-disruptive non-homogeneously hyperechoic nodules were present, an example measuring 1.0 cm in diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. No hepatic masses noted.

INVOICE

12053ag

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate non-depended hyperechoic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

DATE

10/31/2022

Gastrointestinal



PATIENT

Hugo Morrow

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.

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.

SPECIES

Canine

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

Pancreas

BREED

Pomeranian

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.

Free Abdomen

SEX

MN

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

14yr

- Bilateral moderate chronic renal changes with focal medullary mineral
- Solitary isoechoic mildly expansive small splenic mass-hyperplasia, hematopoiesis, emerging neoplastic criteria all potentials
- Hepatomegaly exhibiting mild parenchymal remodeling, focal to intermittent benign nodules
- Moderate gallbladder debris (non-mucocele)
- Mild pancreatic remodeling

WEIGHT

5.5kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Overall a largely geriatric abdomen without evidence of significant visceral pathology. Sonographically the splenic mass may suggest benign etiology. Sonographic monitoring +/- splenic mass FNA for screening cytology would be reasonable. Eventual splenectomy +/- hepatic biopsies would be a more aggressive approach.

IMAGING PERFORMED BY

Kelly Rechny

Hepatosupportive medications such as Denamarin or Vitamin E as well as Ursodiol may prove beneficial.

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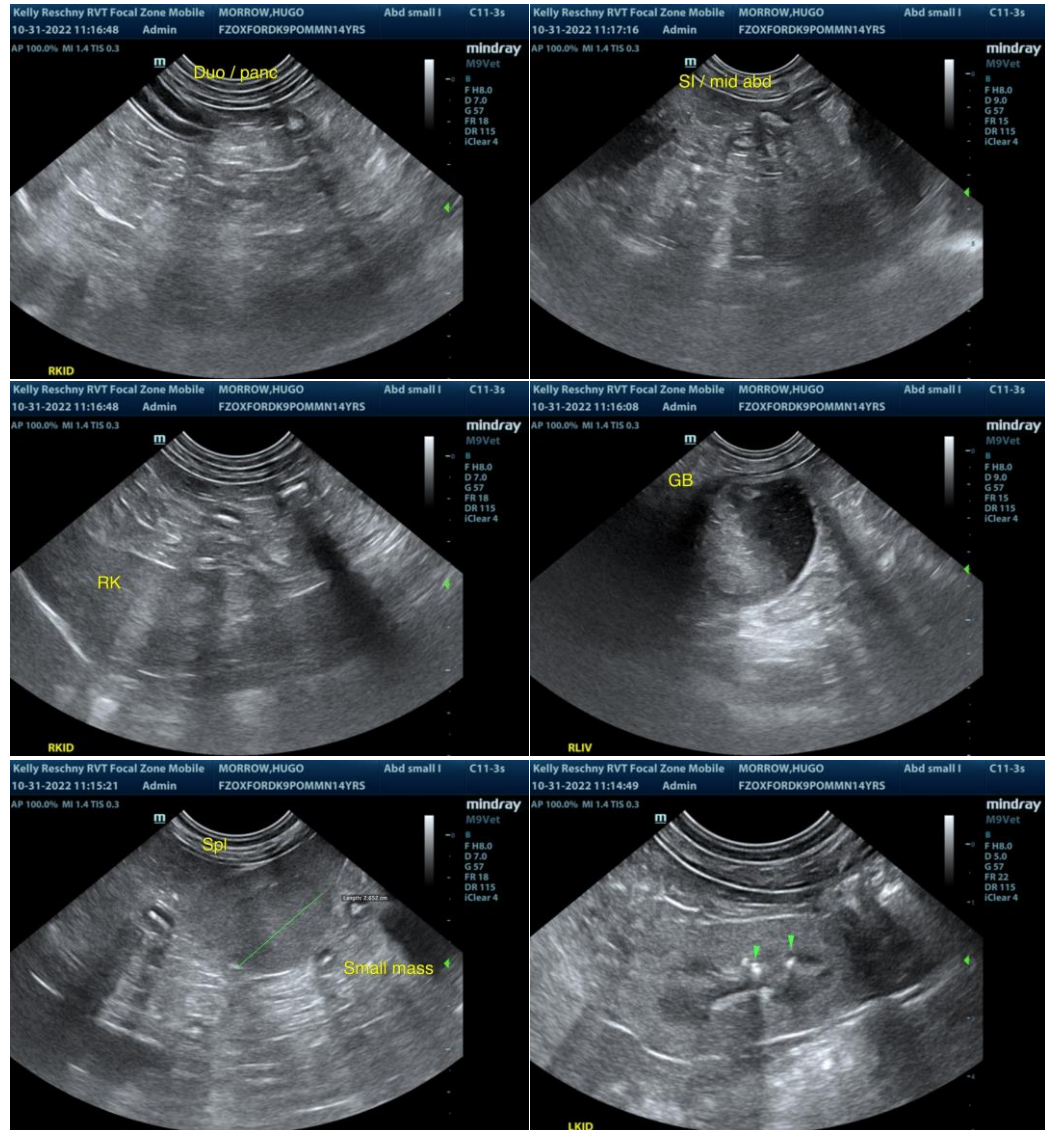
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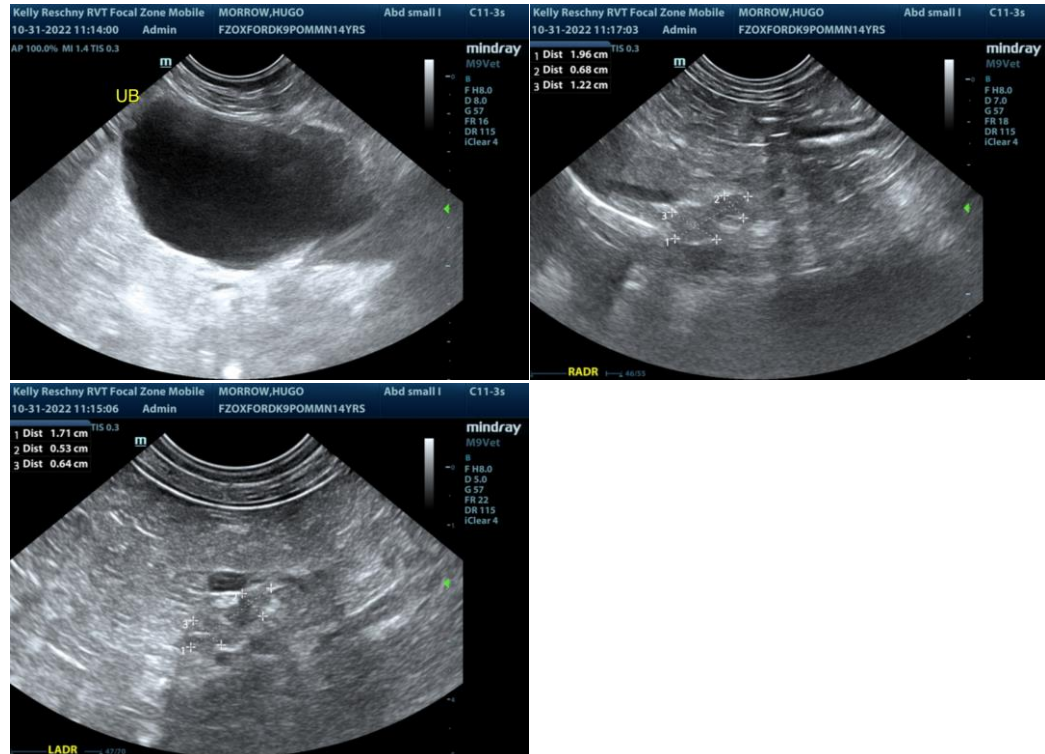
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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