



PATIENT PRESENTING CLINICAL SIGNS

Oreo Yeun History: Decreased appetite, vomiting.

Abnormal PE/Chem/CBC/UA Results: ALT 1082, albumin 4.3, HCT 65.1.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED Urinary System

French Bulldog The urinary bladder presented mildly subnormal in size owing to lack of urine distension. The trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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 urinary bladder pathology, inflammatory or neoplastic changes were noted.

SEX

Spayed female

AGE

13 years

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some moderately increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney exhibited pinpoint medullary mineral. The right kidney exhibited nonobstructive minor medullary renoliths. The left kidney measured 4.5 cm in length. The right kidney measured 4.0 cm in length.

WEIGHT

24.3 pounds

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

INTERPRETED BY

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

The bilateral adrenal glands were mildly prominent in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.6 cm length and 0.74 cm width in the caudal pole. The right adrenal gland measured 2.0 cm length and 0.77 cm width in the caudal pole.

Spleen

IMAGING PERFORMED BY
Kelly Vazquez

The spleen exhibited cranial and caudal mildly expansive nonhomogeneous to variably hyperechoic macronodules to small masses with associated capsule distortion yet without evidence of capsule escape or rupture. A cranial splenic nodule/mass measured 3.4 cm in diameter.

HOSPITAL NAME

Animal General on
Hudson

Liver

The liver exhibited normal to potential mild subnormal in size with mild increased prominence of portal vascular border. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. No evidence of hepatic nodules or masses was noted.

REFERRING VET

Dr. William Freedman

The gallbladder was mildly distended in size with thin walls and primarily anechoic luminal content with mild nondependent yet nonorganized debris. No evidence of gallbladder or peripheral inflammation was observed. The cystic and common bile ducts were normal.

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DATE

04/05/2022



PATIENT *Gastrointestinal*

Oreo Yeun 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 pylorus wall measured 0.45 cm in length.

SPECIES

Canine 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. The duodenum wall measured 0.40 cm in width.

BREED

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

French Bulldog

Pancreas

SEX

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Spayed female

Free Abdomen

AGE

No overt lymphadenopathy or peritoneal effusion was present.

13 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

24.3 pounds

- Moderate chronic renal changes with variable nonobstructive medullary mineral/renoliths.
- Cranial and caudal nonhomogeneous to variably hyperechoic splenic macronodules to small masses-not definitively consistent with neoplastic criteria with expansive atypical myelolipomas, hyperplasia, hematopoiesis or splenitis suspected.
- Hepatopathy-suspect probable nonspecific hepatitis given the ALT elevation.
- Mild gallbladder debris (non mucocele).
- Overtly normal gastrointestinal tract, suspect gastroenteritis.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING

PERFORMED BY

Kelly Vazquez

Assuming normal clotting status and using a 25g needle, hepatosplenic FNA could be considered to assess for potential inflammatory cell type in the liver as well as clarification of the cranial and caudal splenic nodules to small masses. Leptospirosis titers/PCR recommended if clinically indicated. Without evidence of significant GI pathology, the GI signs in this patient may be metabolic secondary to hepatic disease although concurrent primary GI disease could be present. Empirically, hospitalization with 24-48 hour IVF and GI support with correction of potential dehydration, hepatosupportive medications and clinical reassessment may prove beneficial. Potential long term hepatosupportive medications are likely indicated. Hepatic core surgical biopsy may be required for a definitive diagnosis.

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PATIENT

Oreo Yeun

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed female

AGE

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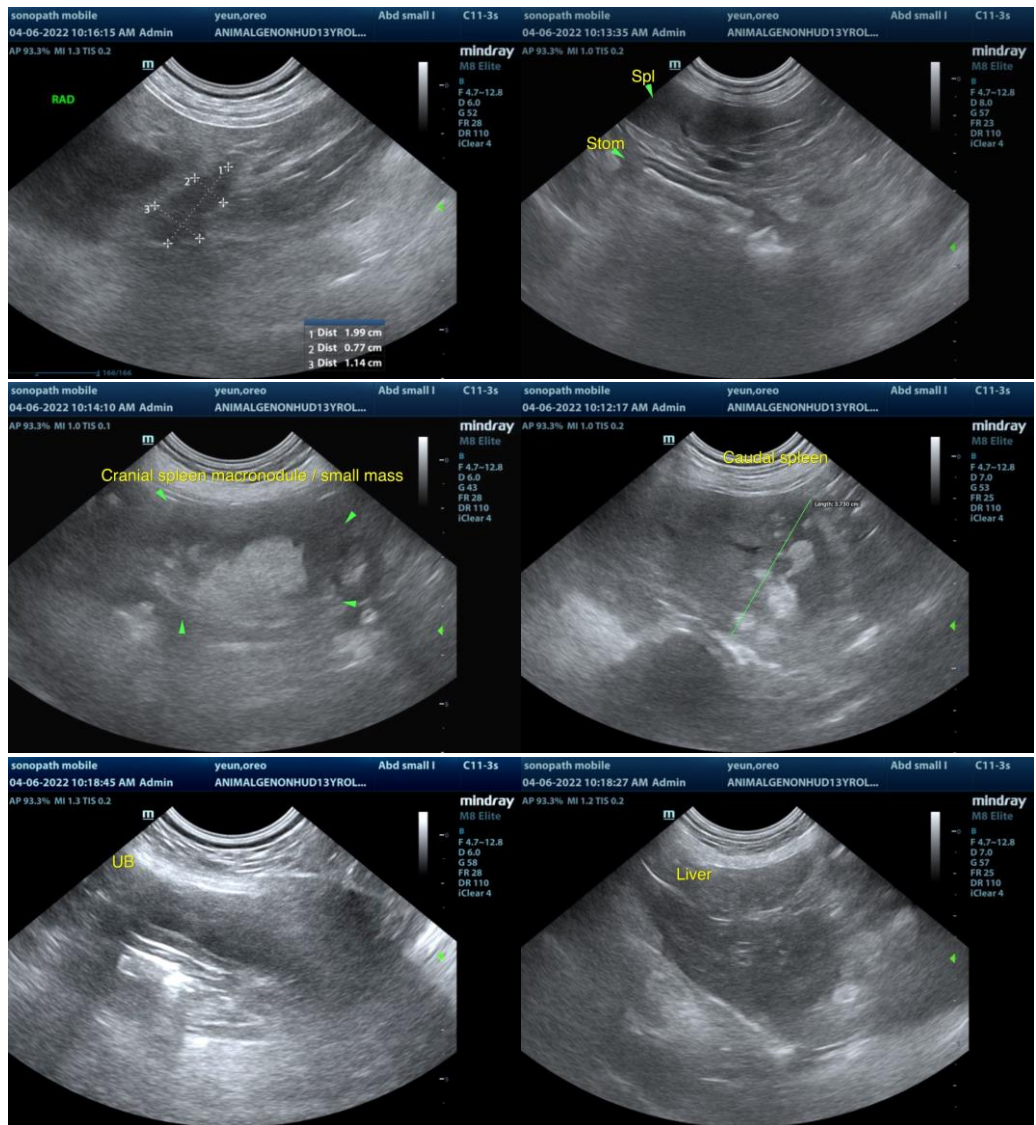
Dr. William Freedman

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PATIENT

Oreo Yeun

SPECIES

Canine

BREED

French Bulldog

SEX

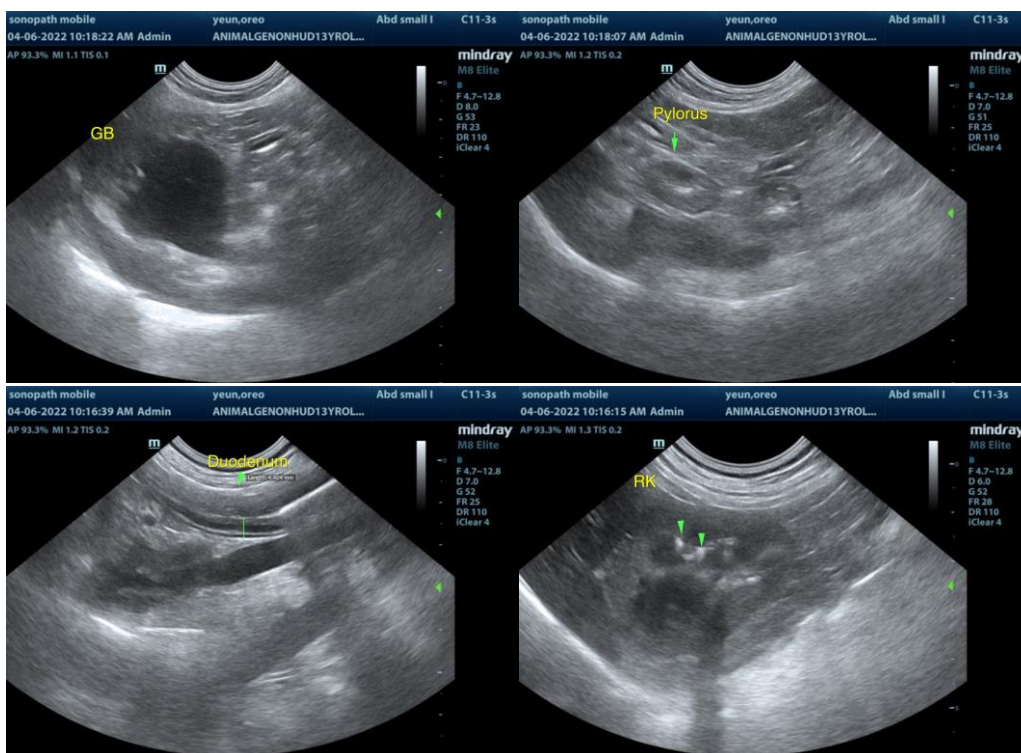
Spayed female

AGE

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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.

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