



PATIENT PRESENTING CLINICAL SIGNS

Kona Rowton

Dog has had intermittent vomiting for 7-10 days. Dog is off food. Had been on nsaid (meloxicam) following TPLO on Oct 31. Dog has been off nsaid >7 days Current Medications omeprazole and maropitant Radiographic Findings right cranial abdomen lack of detail. Primary Question/Differential to Be Answered in This Exam reason for vomiting and hyporexia. r/o FB, ulcer, mass

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: BUN 7, TP 4.6, Albumin 2.1 spec cPL 470. All other values on CBC and Profile normal

BREED

English Springer
Spaniel

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

10yr

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.8 cm in length. The right kidney measured 5.9 cm in length.

WEIGHT

46lb

INTERPRETED BY

The area of the aortic trifurcation was free of pathology.

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

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

IMAGING PERFORMED BY

Adrenal Glands

Jenna Walsh CVT

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.80 cm width at the caudal pole and 2.9 cm length.

Overall, mildly prominent left adrenal gland based on caudal pole measurement. The left adrenal gland measured 0.87 cm width at the caudal pole and 2.4 cm length. A well-defined, hyperechoic nodule was present in the cranial left adrenal gland with mild associated symmetrical capsule expansion. The nodule did not exhibit signs of mineralization or vascular invasion. The nodule measured 1.2 cm x 0.71 cm.

HOSPITAL NAME

Faithful Friends Animal
Clinic

Spleen

REFERRING VET

Dr. Hiett/Dr. Rideout

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.

INVOICE

12482ag

Liver

DATE

12/19/2022

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.



PATIENT *Gastrointestinal*

Kona Rowton The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild luminal gas and no signs of ileus, obstruction or foreign material. The gastric body wall measured 0.31 cm in width.

SPECIES

Canine The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. Minor duodenojejunal corrugation without evidence of plication was present. The corrugation was suggestive of segmental duodenojejunal spasm or mild dysfunctional bowel. A mild segmental to diffuse duodenojejunal ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present with a discretely shadowing hyperechoic echo measuring 0.6 cm in diameter. The duodenum wall measured 0.40 cm width. The jejunum wall measured 0.35 cm width.

BREED

English Springer Spaniel

SEX

MN

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

AGE

10yr

Pancreas

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.

WEIGHT

46lb

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Non-specific enteritis pattern
- Possible small focal non-obstructive small intestine luminal density
- Unremarkable stomach/pancreas
- Left adrenal nodule-suspect adenoma

IMAGING PERFORMED BY

Jenna Walsh CVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Acute inflammatory bowel episode, IBD, small likely passing non-obstructive foreign material, low grade pancreatitis which may present sonographically normal, or less likely infiltrative neoplasia are all potentials. Decreased ALB level may be secondary to decreased food intake or potential intestinal loss. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended. No overt evidence of GI ulceration or masses. 48-72-hour hospitalization with IVF, GI support and potential sonographic reassessment of the GI tract pending clinical response would be reasonable.

HOSPITAL NAME

Faithful Friends Animal Clinic

REFERRING VET

Dr. Hiett/Dr. Rideout

A screening BP is advised to assess for evidence of hypertension which may allude to emerging left adrenal neoplastic criteria i.e. pheochromocytoma although considered unlikely. Sonographic monitoring of the left adrenal nodule is recommended.

INVOICE

12482ag

DATE

12/19/2022



PATIENT

Kona Rowton

SPECIES

Canine

BREED

English Springer
Spaniel

SEX

MN

AGE

10yr

WEIGHT

46lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh CVT

HOSPITAL NAME

Faithful Friends Animal
Clinic

REFERRING VET

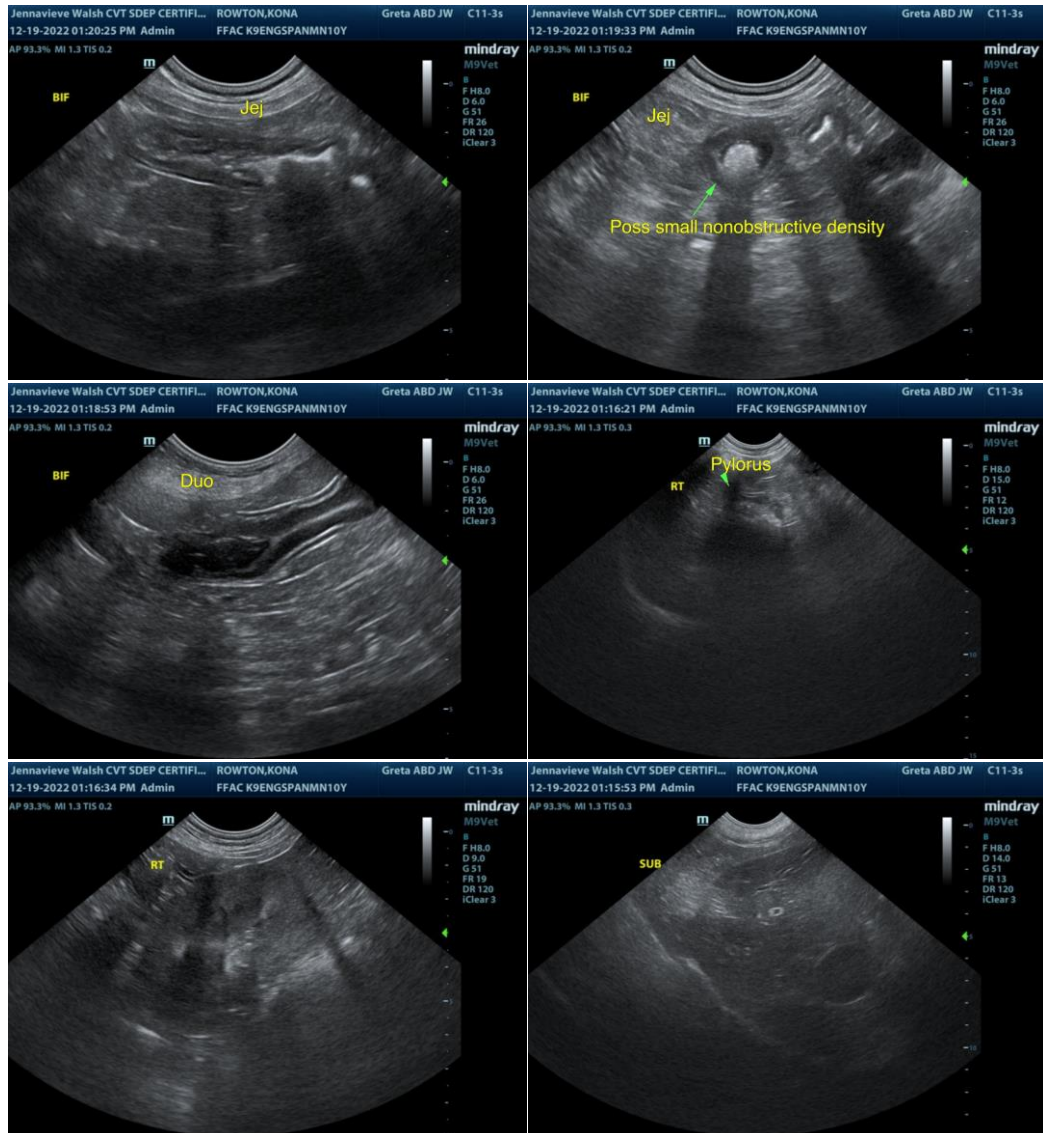
Dr. Hiett/Dr. Rideout

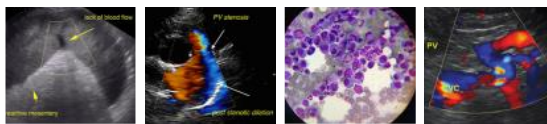
INVOICE

12482ag

DATE

12/19/2022





PATIENT

Kona Rowton

SPECIES

Canine

BREED

English Springer
Spaniel

SEX

MN

AGE

10yr

WEIGHT

46lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Jenna Walsh CVT

HOSPITAL NAME

Faithful Friends Animal
Clinic

REFERRING VET

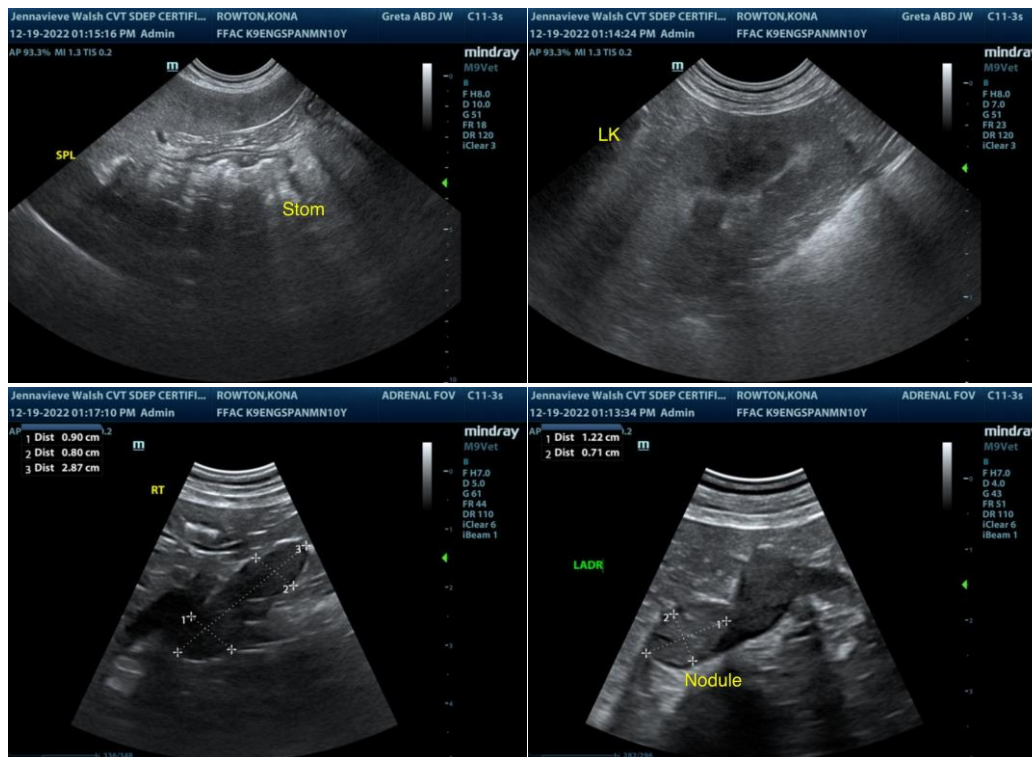
Dr. Hiett/Dr. Rideout

INVOICE

12482ag

DATE

12/19/2022



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