



PATIENT PRESENTING CLINICAL SIGNS

Archer Grube History: P has hx of GI Upset lifelong Current Medications Cerenia today

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – 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.

BREED

Golden Doodle

SEX

Neutered Male

AGE

5 Years

WEIGHT

66.3 Pounds

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.89 cm in diameter.

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 6.7 cm in length. The right kidney measured 7.1 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.6 cm in length x 0.51 cm in width at the caudal pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.0 cm in length x 0.52 in width at the caudal pole.

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.

Liver

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.

Gastrointestinal

The stomach fundus and body exhibited intact, sonographically unremarkable wall layering. Ventral gastric body wall measured 0.36 cm. Subjective mildly prominent to thickened pylorus wall was present with intact wall layering, measuring 0.95 cm ventral pylorus wall width. The stomach was empty without evidence of retained ingesta, fluid or foreign material and with no evidence of mechanical pyloric outflow obstruction.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Echo Hollow VH & UC

REFERRING VET

Dr. Bruce Behrends

INVOICE

15215

DATE

5/16/22



PATIENT

Archer Grube

SPECIES

Canine

BREED

Golden Doodle

SEX

Neutered Male

AGE

5 Years

WEIGHT

66.3 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Echo Hollow VH & UC

REFERRING VET

Dr. Bruce Behrends

INVOICE

15215

DATE

5/16/22

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Subjective propensity for subtly prominent submucosa layer. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The jejunum wall measured 0.34 cm. The duodenum wall measured 0.30 cm.

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

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.

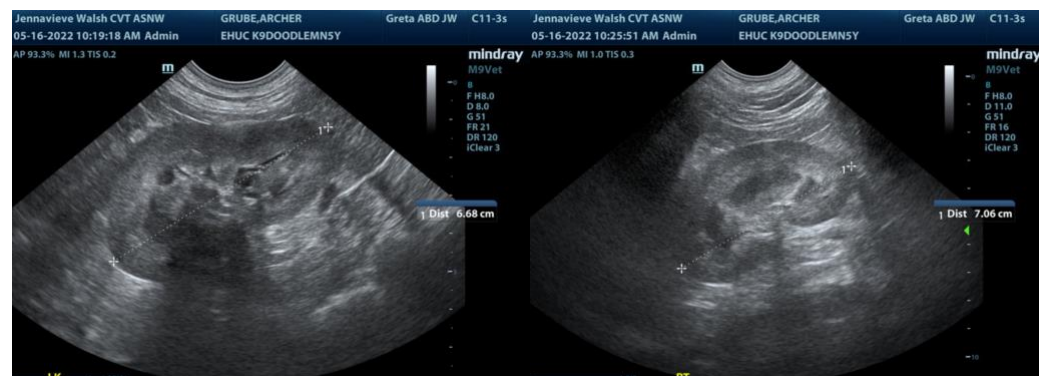
ULTRASONOGRAPHIC FINDINGS

- Subjective mildly thickened pylorus with intact wall layering
- Overtly normal small bowel/colon

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If the patients primary gastrointestinal sign is vomiting, pyloric gastritis could be considered given the subjective mildly thickened pylorus wall. However, if more generalized gastrointestinal signs, including diarrhea are present, mild to low-grade pancreatitis or structurally insignificant inflammatory enteropathy, both of which may present as sonographically normal, dysbiosis, dietary intolerance/food hypersensitivity or other generalized gastroenteropathy could be possible.

A GI panel to include PLI/TLI/Cobalamin/Folate +/- resting cortisol level to rule out occult Addisons disease could be considered, although the bilateral adrenal glands appeared to be overtly normal. A limited antigen or hydrolyzed diet trial with potential long-term dietary therapy, gastric protectants +/- coverage for helicobacter, broad spectrum deworming, i.e., Panacur 50 mg/kg PO SID for 5 consecutive days with potential repeat protocol in 3 weeks, even if fecal testing is negative. Cobalamin supplementation (pending GI panel results), high colony count probiotic (if diarrhea is present) with assessment of clinical response would be reasonable. If persistent gastrointestinal signs, specifically vomiting, sonographic reassessment of the pylorus, as well as the generalized gastrointestinal tract for evidence of progressive mural changes is recommended.





PATIENT

Archer Grube

SPECIES

Canine

BREED

Golden Doodle

SEX

Neutered Male

AGE

5 Years

WEIGHT

66.3 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Echo Hollow VH & UC

REFERRING VET

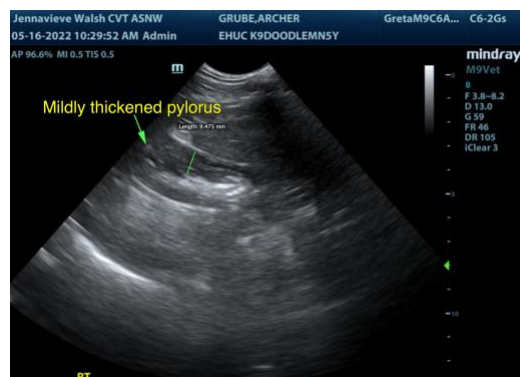
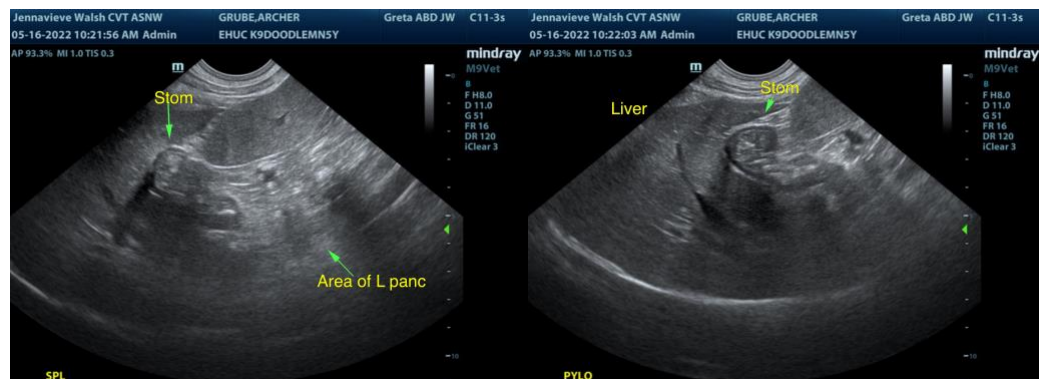
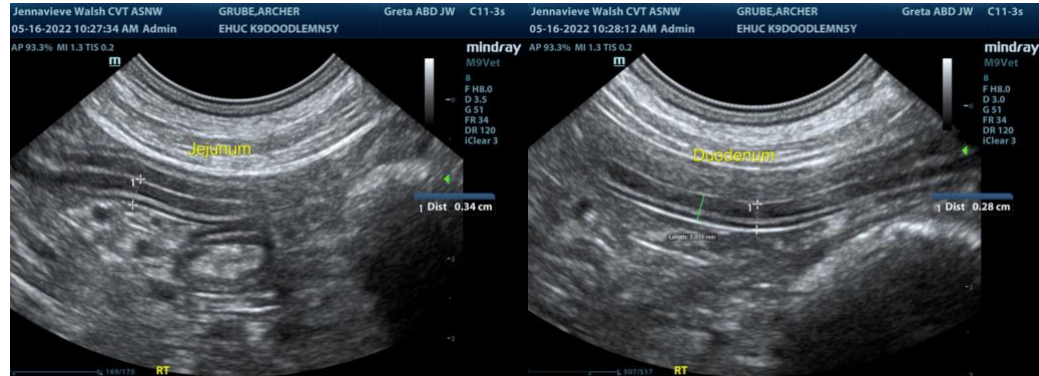
Dr. Bruce Behrends

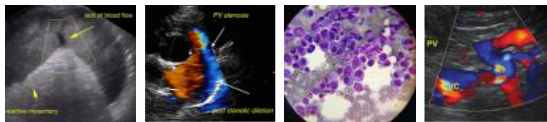
INVOICE

15215

DATE

5/16/22





PATIENT

Archer Grube

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.

SPECIES

Canine

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.

BREED

Golden Doodle

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Neutered Male

AGE

5 Years

WEIGHT

66.3 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Jenna Walsh, CVT

HOSPITAL NAME

Echo Hollow VH & UC

REFERRING VET

Dr. Bruce Behrends

INVOICE

15215

DATE

5/16/22