



**PATIENT**

Jazebelle Talbot

**PRESENTING CLINICAL SIGNS**

History: On going GI issues blood in alternating soft and formed stools. Lethargic and diminished appetite

**SPECIES**

Abnormal PE/Chem/CBC/UA Results: Moderate elevation of liver enzymes

Canine

**BREED**

English Bulldog

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX**

Spayed female

The urinary bladder presented uniformly mildly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal 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.

**AGE**

11 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 mildly 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 5.5 cm in length. The right kidney measured 4.9 cm in length.

**WEIGHT**

22.6 kg

The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

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

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.71 cm width at the caudal pole and 0.77 cm width at the cranial pole. The right adrenal gland was indistinctly visualized without overt pathology subjectively measuring 0.54 cm at the caudal pole.

**IMAGING**

**PERFORMED BY**

Dr. Belan

**Spleen**

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

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Legacy Veterinary Clinic

**Liver**

The liver exhibited the potential for mild subnormal size maintaining a symmetrical capsule contour and uniform parenchyma. Subjective mild increased prominence of the portal vascular borders was observed. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Jaiouei

**INVOICE**

10224ag

**Gastrointestinal**

The stomach presented intact yet subjective mildly prominent 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 ventral gastric body wall measured 0.40 cm in width.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio to the level of the ileum. The ileum exhibited intact yet mildly prominent wall layering to the level of the ileocolic junction. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The duodenum wall measured 0.53 cm in width. The ileum wall measured 0.51 cm in width.

**SPECIES**

Canine

Normal visible colon wall layers were present with apparent semi formed to soft feces in lumen. The descending colon wall measured 0.20 cm in width.

**Pancreas**

**BREED**

English Bulldog

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.

**SEX**

Spayed female

**Free Abdomen**

Focal to intermittent mildly prominent to enlarged colic lymph node were present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). No evidence of peritoneal effusion noted.

**AGE**

11 years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

22.6 kg

- Mild ileocolitis pattern with possible generalized inflammatory gastroenterocolopathy.
- Associated intermittent benign to reactive colic lymph nodes.
- Age related kidneys.
- Hepatopathy with potential mild subnormal liver size-metabolic, reactive, vacuolar hepatopathy, inflammatory/immune mediated disease possible without evidence of hepatic or hepatobiliary neoplasia.
- Mild cystitis pattern.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A GI panel to include PLI/TLI/Cobalamin/Folate is recommended.

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The hematochezia suggests colitis although in cases of recurrent gastrointestinal issues, low grade to chronic pancreatitis, dysbiosis, dietary intolerance/food hypersensitivity, occult parasitism, inflammatory bowel disease or less likely in this case, intestinal neoplasia could be possible. Continued gastrointestinal support with novel protein or hydrolyzed diet, high colony count probiotic, possible antibiotic trial and broad spectrum deworming i.e. Panacur 50 mg/kg PO SID for 5 consecutive days even if fecal testing is negative may prove beneficial.

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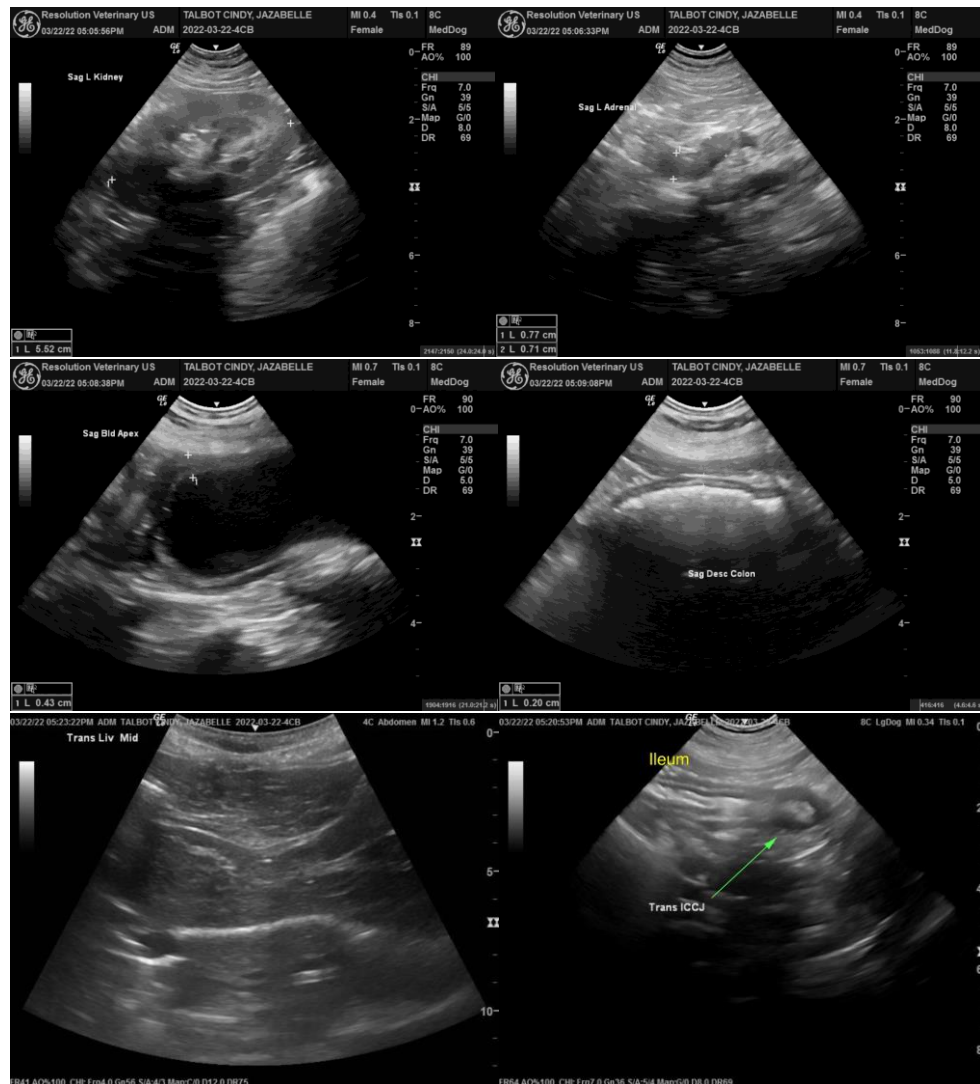
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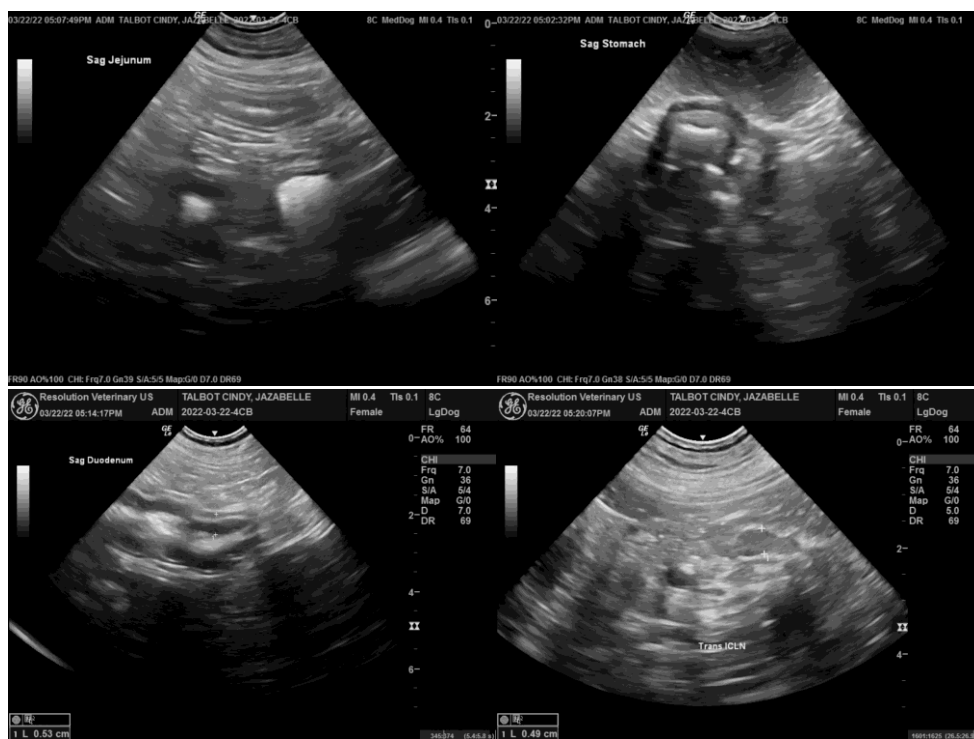
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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