



**PATIENT**

Bert Stewart

**PRESENTING CLINICAL SIGNS**

Clinical Exam Findings: Presented for off and on vomiting for the last 6 months. ABNORMAL Lab work Values None

**SPECIES**

Feline

Current Medications None

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

DSH

**Urinary System**

The urinary bladder, 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 minor non-dependent particulate sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

**SEX**

MN

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 3.9 cm in length. The right kidney measured 4.1 cm in length.

**AGE**

2yr

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

12.22lb

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.53 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.38 cm width.

**INTERPRETED BY**

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

**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. The spleen measured 0.61 cm in width at the level of the mid spleen.

**IMAGING PERFORMED BY**

Sara Hansen

**Liver/Gallbladder**

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. Normal vascular volume. 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.

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**Gastrointestinal**

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.

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The intestinal walls demonstrated intact wall layers with diffusely thickened walls and altered 1:3 muscularis / mucosa ratio primarily consisting of muscularis hypertrophy primarily noted in the jejunum. Minor mid to distal descending duodenum corrugation. No evidence of intestinal mechanical

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obstructive pattern. The duodenum wall measured 0.26 cm width. The jejunum wall measured 0.33 cm width. The ileocolic wall measured 0.35 cm width.

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

**SPECIES**

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***Pancreas***

The area of the pancreas was sonographically normal.

***Free Abdomen***

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

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**ULTRASONOGRAPHIC FINDINGS**

**SEX**

MN

**Primary**

- Normal empty stomach.
- Empty small intestine with segmental primarily jejunal IBD intestinal pattern and minor mid to descending duodenitis.
- Normal area of pancreas.

**AGE**

2yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

12.22lb

No evidence of mechanical gastrointestinal obstructive pattern, i.e., foreign material, stricture, mass, etc. The segmental jejunum exhibited mural changes and mild thickening most suggestive of inflammatory criteria. Minor potential for emerging to occult intestinal round cell neoplasia, such as lymphoma or mast cell neoplasia is thought less likely.

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Given no additional reported gastrointestinal signs or weight loss, dietary trial, as needed gastric protectants, +/- empirical deworming with clinical and as needed sonographic monitoring would be reasonable. Definitive diagnosis would require intestinal biopsies for histopathology. A GI panel to include PLI/TLI/Cobalamin/Folate may be considered.

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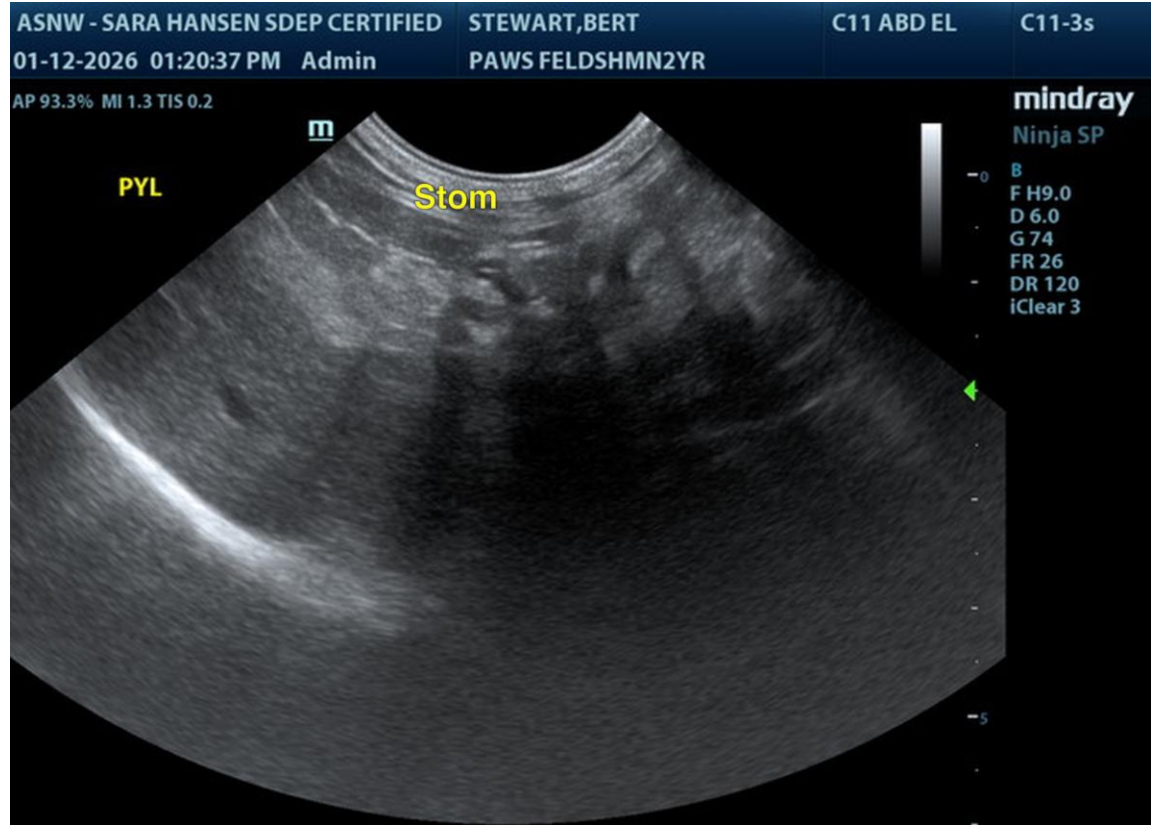
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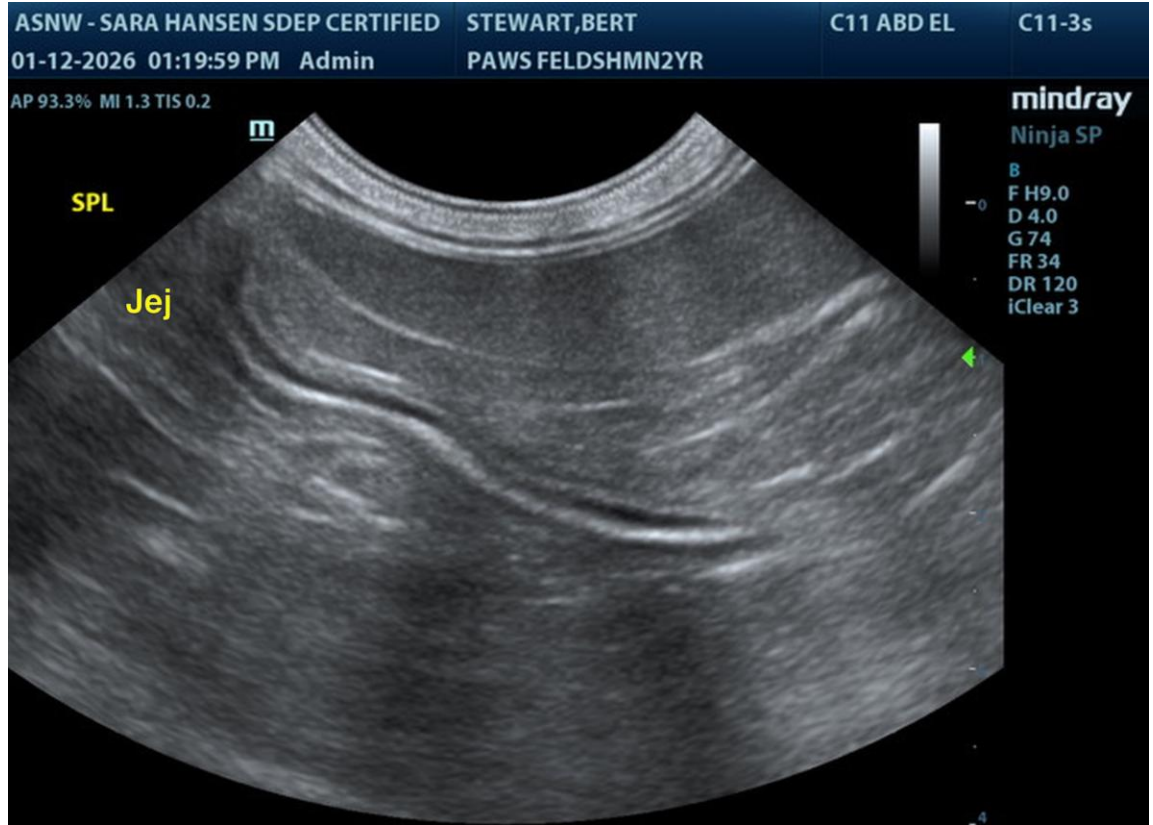
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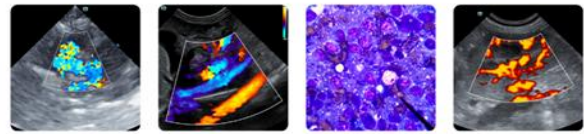
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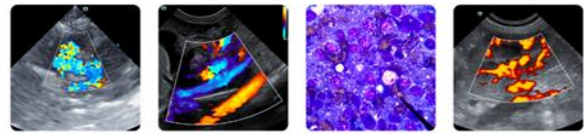
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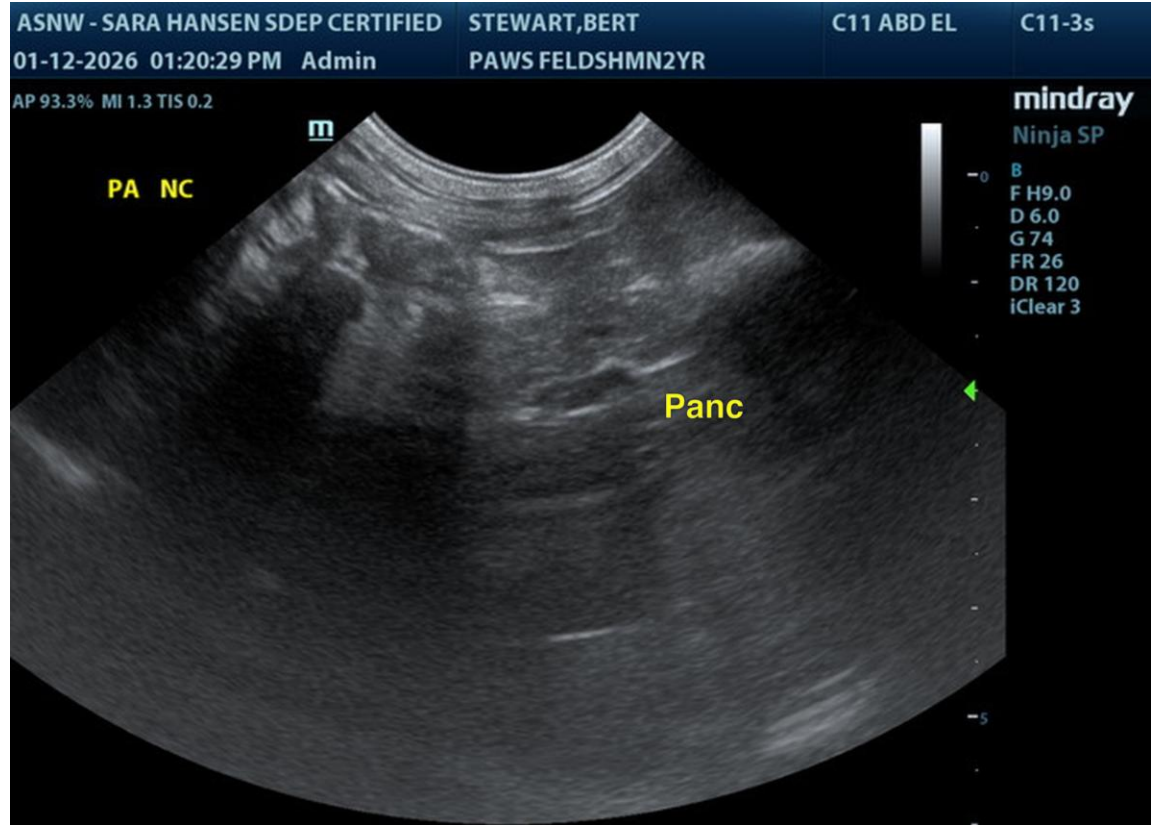
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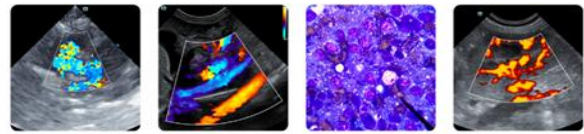
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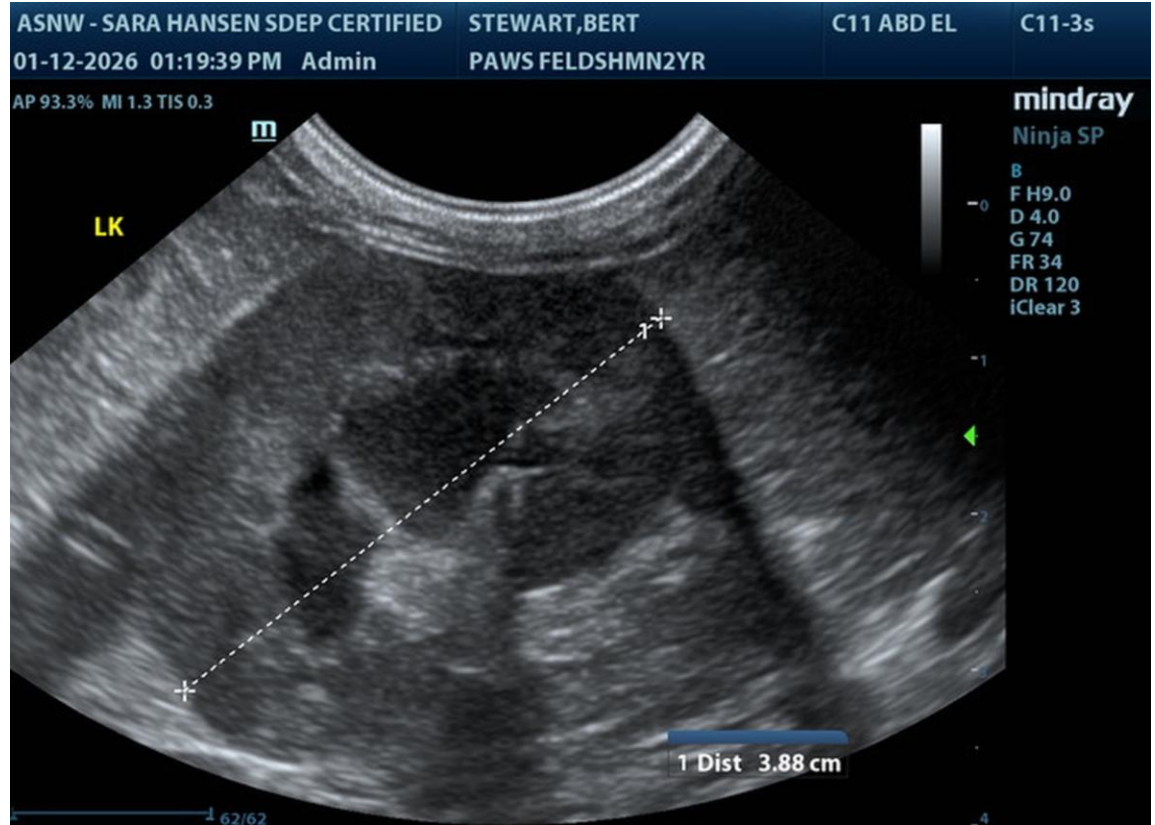
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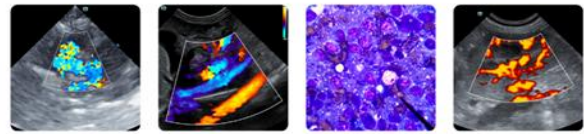
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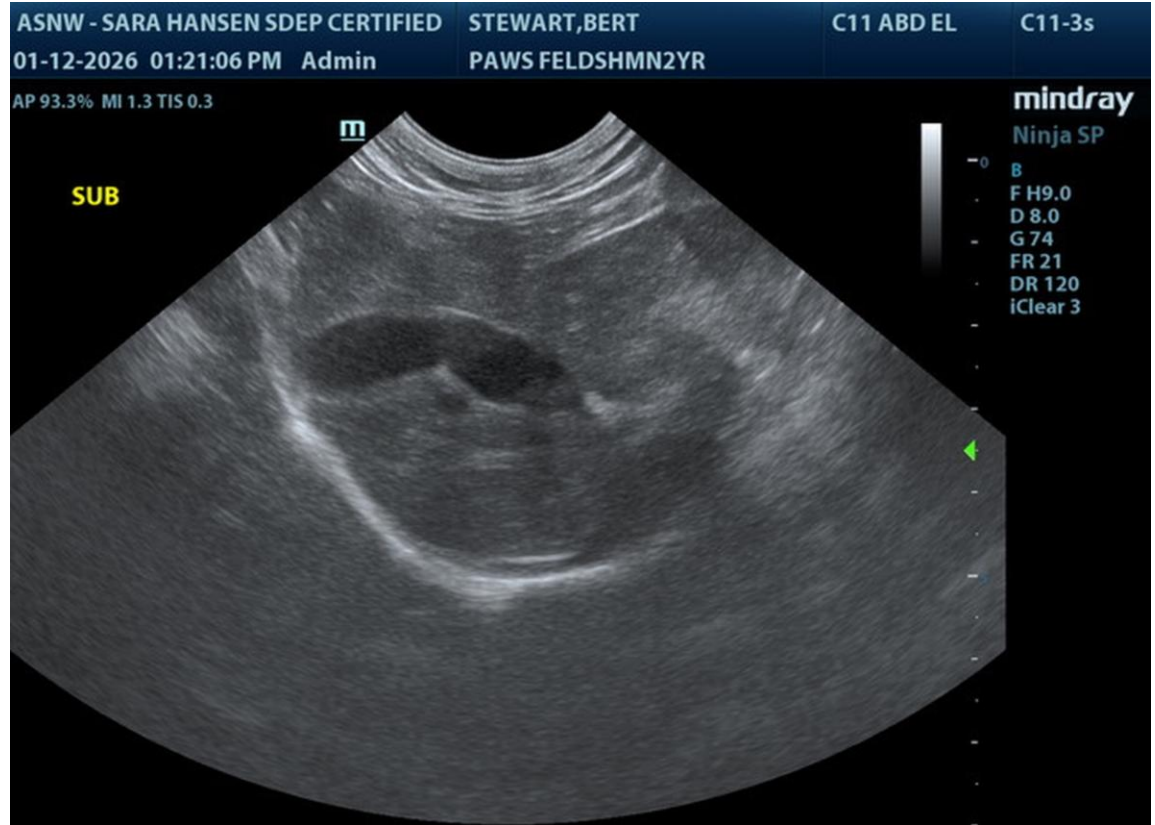
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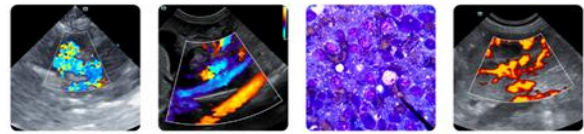
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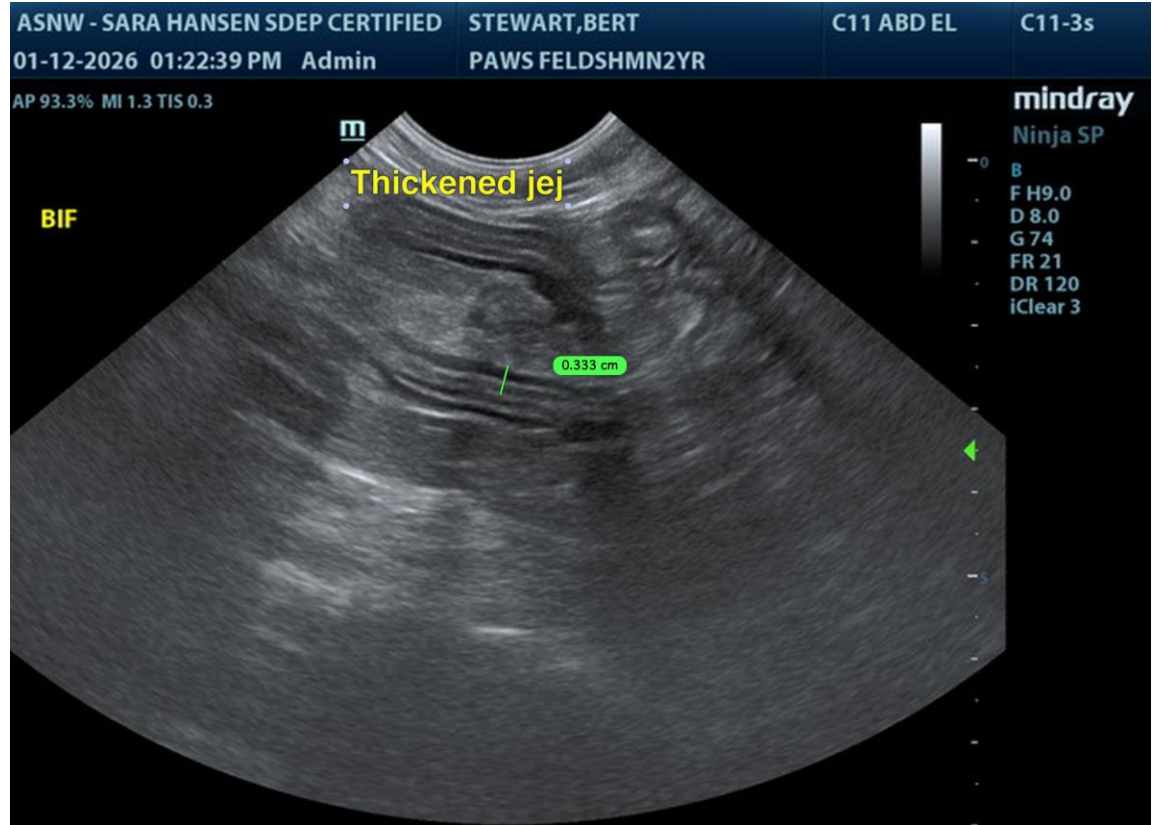
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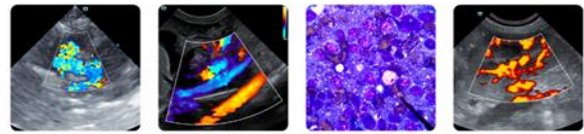
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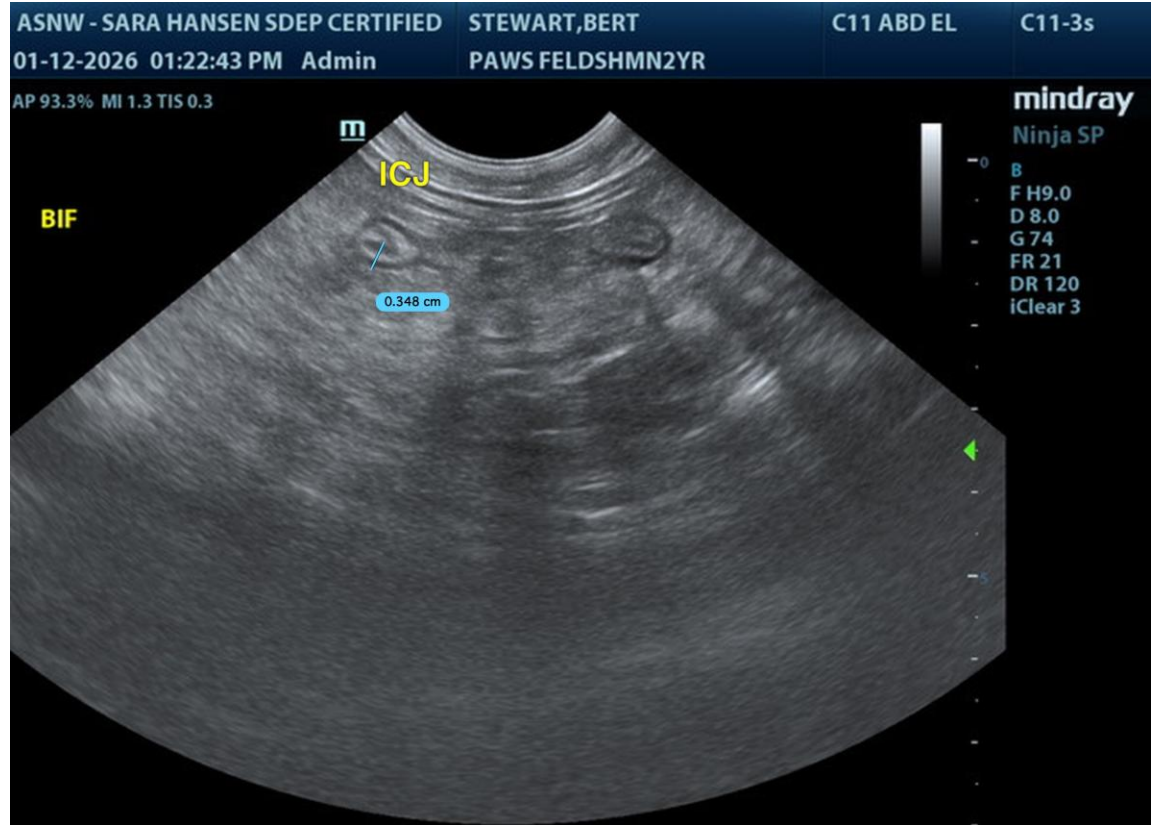
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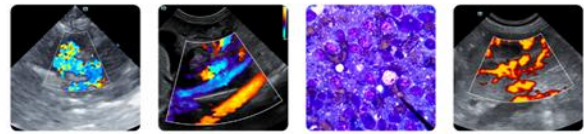
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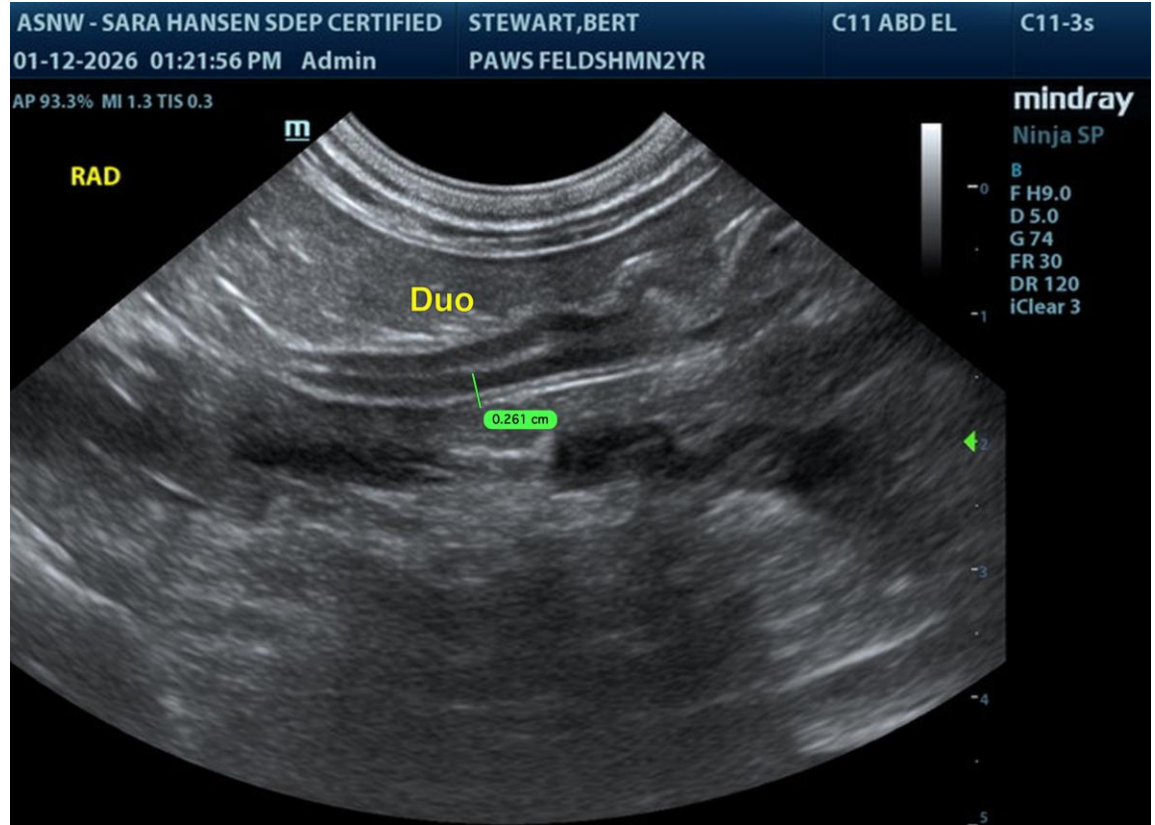
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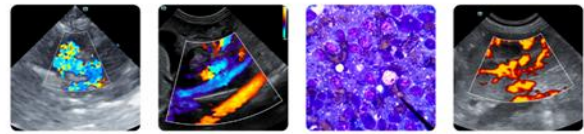
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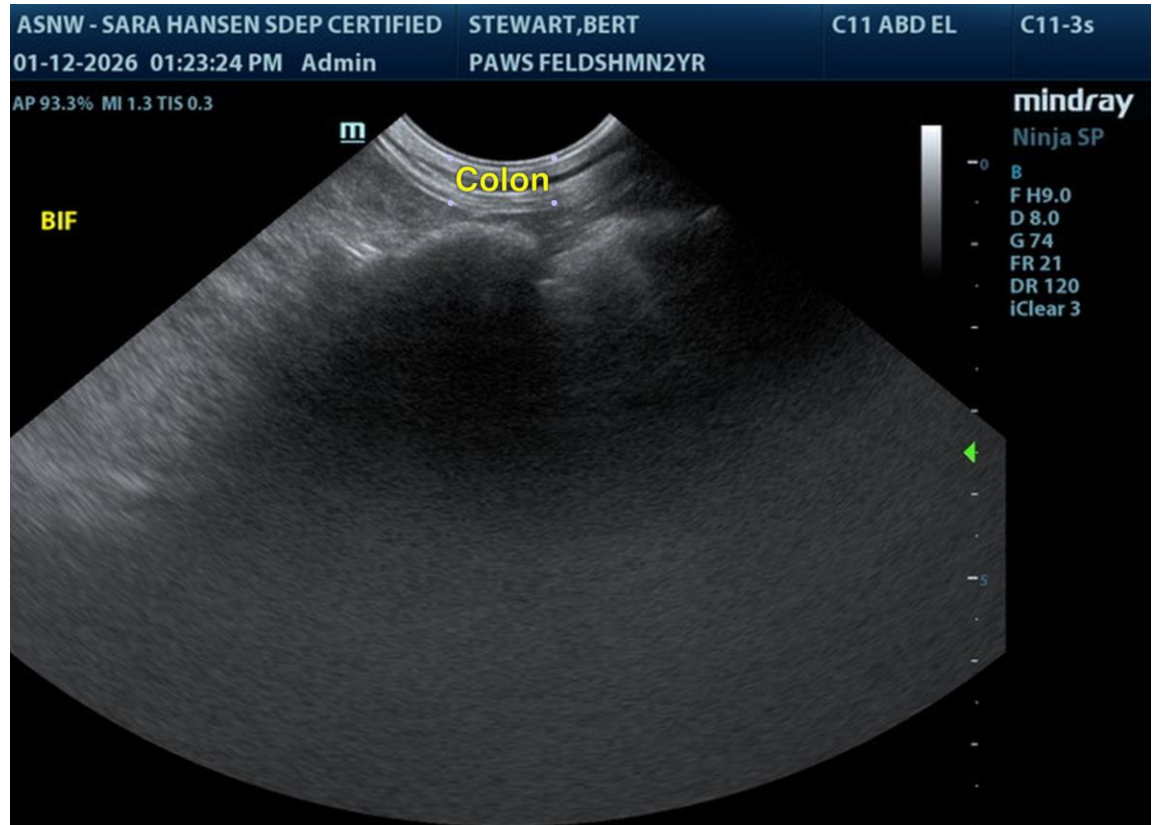
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)  
[info@sonopath.com](mailto:info@sonopath.com)