



PATIENT PRESENTING CLINICAL SIGNS

CJ Savage Presented originally over last weekend for HBC after escaping the yard. Was discharged last Sunday and was stable other than bloodwork revealed markedly increased ALT. Sent home with Denamarin and advised recheck and bloodwork. Saw reg DVM today and bloodwork better but liver enzymes still in the 1000's and he is still not eating well. Apparently since last weekend dog was also caught eating some carpet in the home. Confirmed that CJ has not eaten today.

SPECIES

Canine

BREED

Wheaton Terrier

Abnormal PE/Chem/CBC/UA Results: AFAST mild free fluid in CC quadrant but bladder looked intact(done at time of trauma)this did not worsen over his stay. ALT 6117 and lactate 5.61 which normalized over the stay. Rads showed loss of detail compatible with edema/hematoma or uroabdomen. Bladder not seen clearly in rads. Soft tissue swelling distal to the venous catheter in left carpus. No obvious bone injuries, unremarkable thorax.

SEX

MI

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

AGE

3yr

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

WEIGHT

22.7kg

Normal size and margination were present in the left kidney. 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 5.7 cm in length.

INTERPRETED BY

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

The right kidney was indistinctly visualized yet overtly normal without overt evidence of pathology or trauma.

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy or masses.

IMAGING PERFORMED BY

Crystal Hill

The prostate was of expected size and presentation for a young intact male canine without overt pathology.

Adrenal Glands

HOSPITAL NAME

Hamilton Region
Emergency Clinic

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.54 cm width at the caudal pole. The right adrenal gland was not definitively visualized.

Spleen

REFERRING VET

Wattson

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

14177ag

Liver/Gallbladder

DATE

06/22/2023

The liver presented normal in size. The hepatic parenchyma revealed diffuse reduced echogenicity compared to the spleen and renal cortical parenchyma with a mild coarse echotexture. Increased portal vein prominence was evident. The capsule of the liver was normal in margination. Distinct masses or



PATIENT nodules were not evident. The hepatic and portal vasculature were normal in appearance. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

CJ Savage

SPECIES *Gastrointestinal*

Canine

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate variably echogenic progressively shadowing ingesta.

BREED

Wheaton Terrier

The small intestine presented intact wall layering. Segments of the small intestine contained strongly shadowing ingesta/echoes likely within multiple intestinal segments. Concurrent empty small intestine along with segmental mild ileus was present.

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

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Pancreas

The pancreas was overtly normal in sonographic presentation.

AGE

3yr

Free Abdomen

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

Generalized mild non-uniform hyperechoic omentum was present which may indicate reactive or mild inflammatory omental changes. Potential for omental hematoma secondary to trauma could be possible.

WEIGHT

22.7kg

ULTRASONOGRAPHIC FINDINGS

- Acute/subacute hepatopathy.
- Unremarkable gallbladder.
- Structurally normal intact urinary bladder.
- Normal bilateral kidneys/spleen.
- Progressively shadowing retained gastric ingesta.
- Segmental strongly shadowing intestinal ingesta/echoes with segmental ileus.
- Generalized mild hyperechoic omentum.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The gastric and segmental intestinal shadowing ingesta is strongly suggestive of GI foreign material with potential for mild partial obstructive pattern. No overt evidence of significant intra-abdominal trauma given previous HBC. Clotting status is recommended given the degree of hepatic enzyme elevations.

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Once the patient is stable for anesthesia and pending clotting times, exploratory laparotomy with gastrotomy +/- enterotomy/ies is recommended. Intestinal and hepatic biopsies at the time of surgery should be strongly considered.

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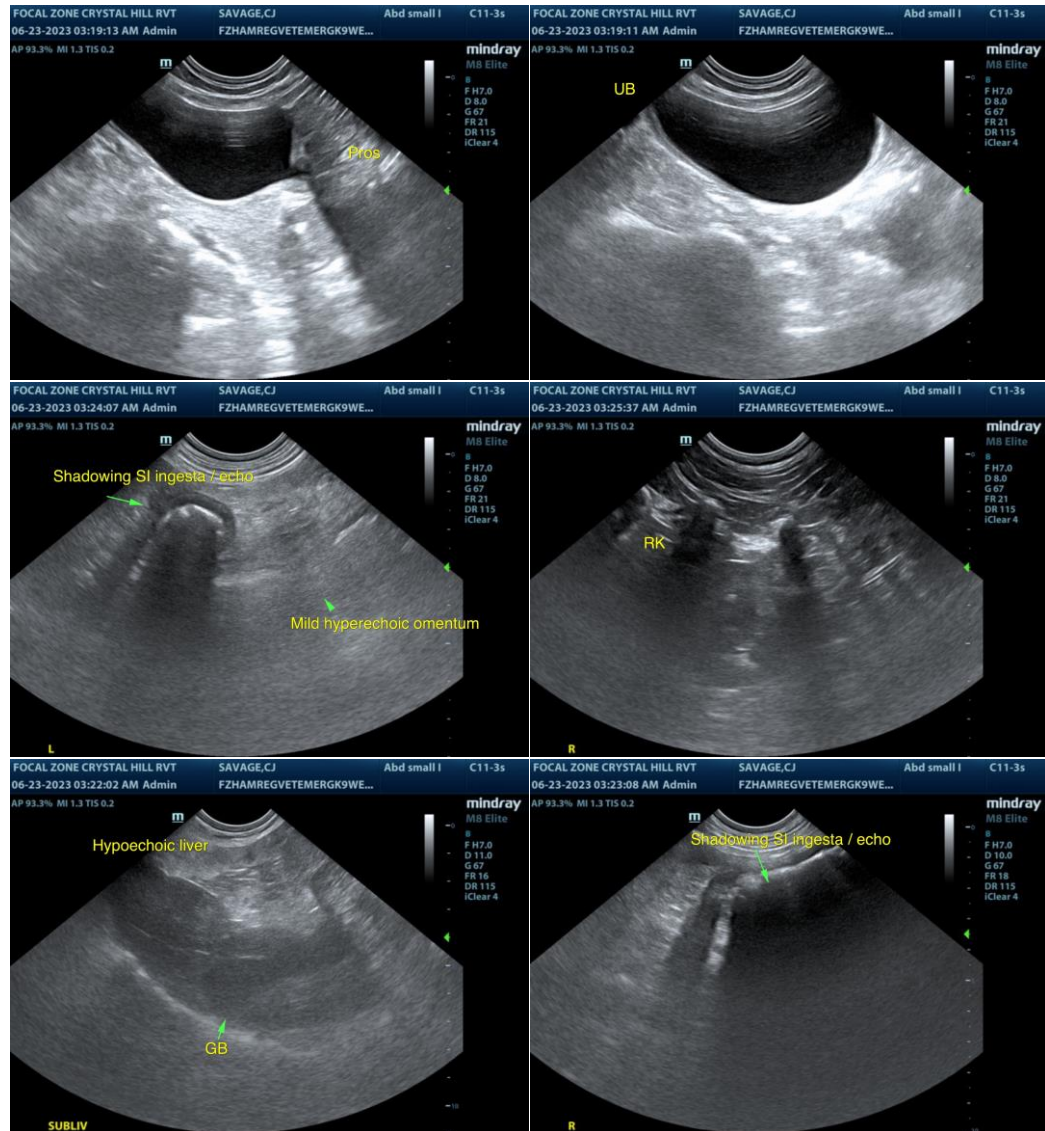
Wattson

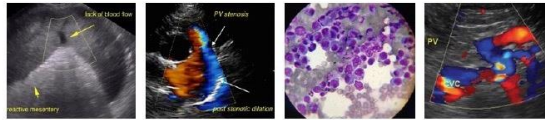
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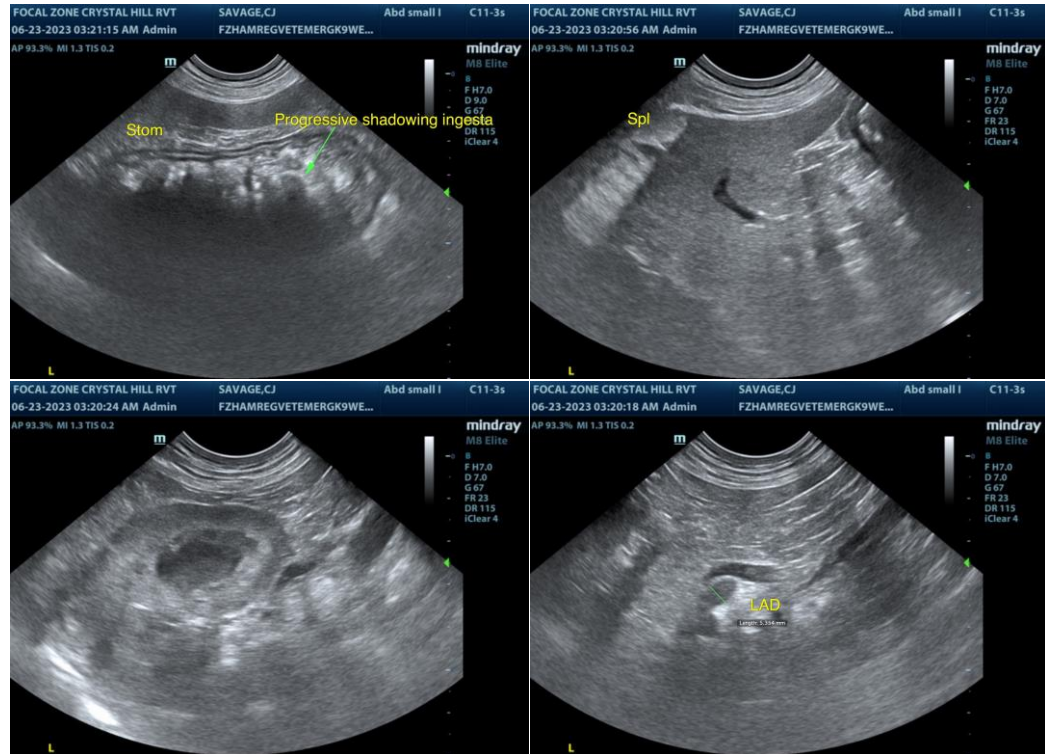
MI

AGE

3yr

WEIGHT

22.7kg



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

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