

PATIENT PRESENTING CLINICAL SIGNS

Evo Mitton
SPECIES Canine
BREED Collie X
SEX Neutered Male
AGE 12 Years
WEIGHT 34.9 kg

History: Presented for an acute onset of breathing issues, lethargy, and inappetence starting this morning. found curled up and not willing to move He has been breathing heavily, grunting when moving. Mentation: Quiet, lethargic but responsive Wt: 34.9 kg,BCS: 5/9,P: 144 bpm,R: 32 br/min,MM: Pale pink, CRT ~2 seconds, Hydration: Normal. The patient tenses his abdomen and shows signs of discomfort on deep palpation. A firm structure is slightly palpable within the abdomen. Current Medications buprenorphine 0.02mg/kg.

Abnormal PE/Chem/CBC/UA Results: RBC 3.89, Hematocrit 0.2, Hemoglobin 85, Retic 21, platelet 144, MPV 14.6, Glucose 8.78, ALP 235, amylase- 1528 all else WNL Radiographic Findings none Primary Question to Be Answered in This Exam source of bleeding.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and visible pelvic urethra were of normal thickness. The ureters were not visible which is normal. There was normal wall layering with no masses, uroliths or abnormal thickening visualized. Urine was anechoic. No evidence of inflammatory or neoplastic changes was noted.

The kidneys have a smooth capsule and with mild hazing of corticomedullary definition. No evidence of pelvic dilation was present. The right kidney measured 7.89 cm in length. The left kidney measured 7.61 cm in length. Hyperechoic, shadowing foci were present in renal parenchyma and calyces consistent with nephrocalcinosis.

Adrenal Glands

The left adrenal gland was visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.86 cm in length and 0.54 cm at the cranial pole and 0.78 cm at the caudal pole.

The right adrenal gland was visualized and was enlarged with an otherwise normal shape, size and position for this breed and age. The right adrenal gland measured 2.89 cm in length and 1.44 cm at the cranial pole and 0.91 cm at the caudal pole.

Spleen

The spleen contains a very large spherical mass with a few focal hypoechoic nodules/small areas of cavitation. It measures at least 13.6 cm x 10.7 cm. There is a moderate volume of surrounding free fluid.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. Gallbladder is moderately distended with normal wall thickness and anechoic contents. Common bile duct is non-distended and tapers normally.

INTERPRETED BY

Brittany Sinclair DVM, DACVECC

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

West Brant

REFERRING VET

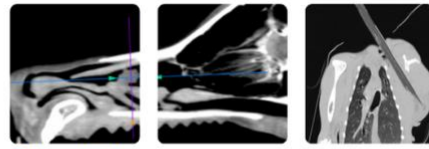
Dr. Balaraju

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Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis: mucosa layer ratio. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was not visualized. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The area of the pancreas was isoechoic to surrounding tissue with no overt inflammation. Pancreatic tissue was not distinctly visualized which is common.

Lymph Nodes

No clinically significant lymphadenopathy or abnormalities noted.

Free Abdomen

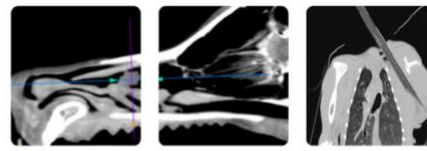
There is a moderate volume of free fluid in the abdomen.

ULTRASONOGRAPHIC FINDINGS

- Large splenic mass with free fluid
- Aging renal changes
- Right adrenomegaly

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The presence of a splenic mass with free fluid is most concerning for ruptured splenic mass and subsequent hemoabdomen. If there are no signs of metastasis in the thorax, emergent abdominal explore with plan for splenectomy is recommended.



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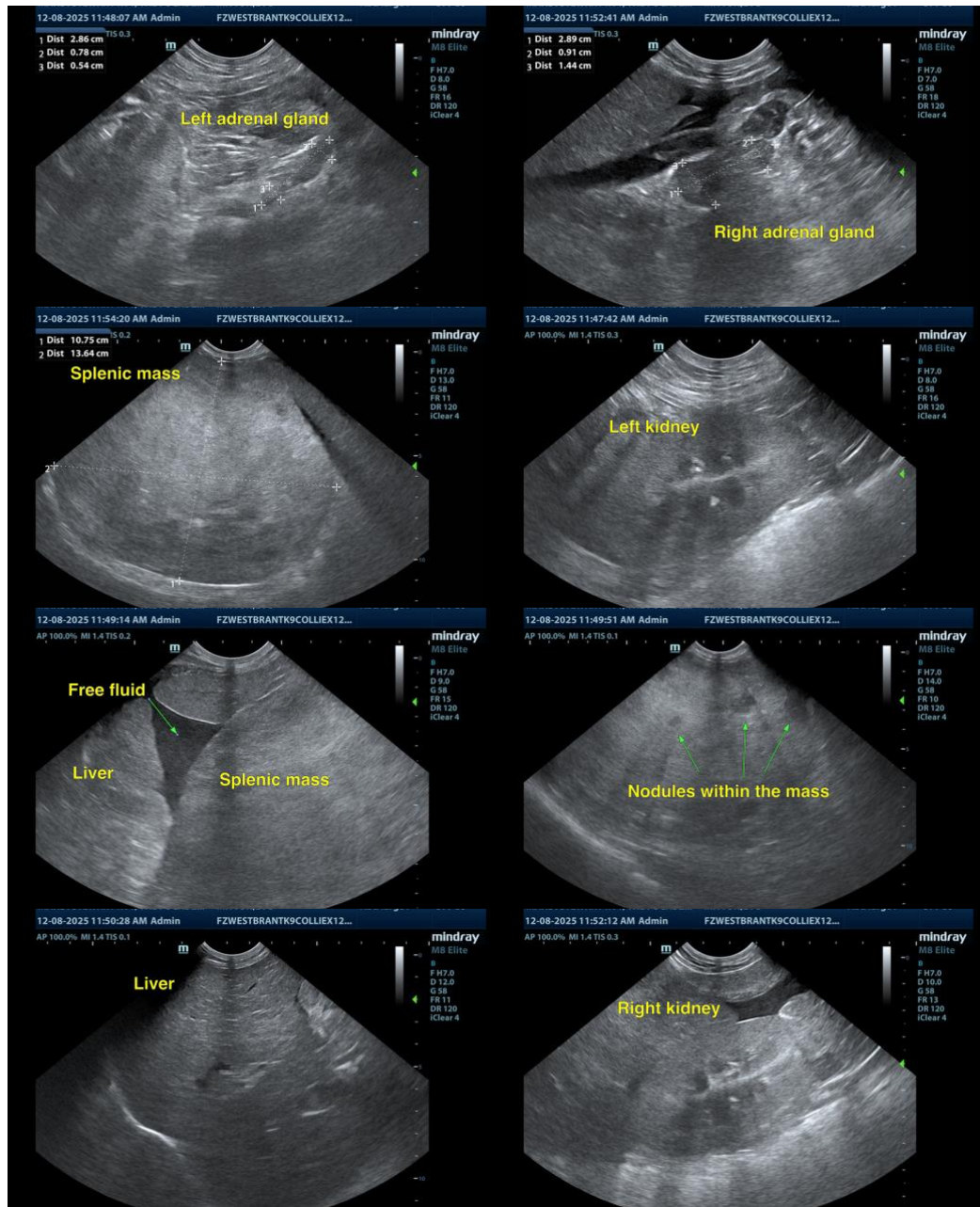
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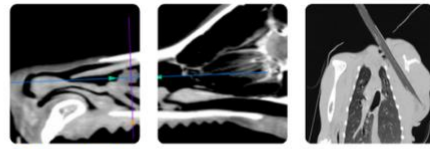
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Dr Brittany Sinclair, BVSc(hons), DACVECC



PATIENT info@SonoPath.com

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