



PATIENT PRESENTING CLINICAL SIGNS

Bandit Pham Enlarged liver, significant upper airway noise, dyspnea, abdominal distention.

SPECIES

Canine

Medication: Denamarin, Temparil P, doxycycline, lasix, docusate

ALP 235, ALT 358

BREED

Miniature Pinscher

Mix

SEX

F

AGE

2017

WEIGHT

13

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No evidence of mineral or calculi was noted. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The visualized uterus was sonographically normal and non-fluid distended measuring 1.5 cm in diameter. There was no overt pathology in the area of the left or right ovaries.

The area of the aortic trifurcation was free of pathology.

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

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 0.42 cm width at the caudal pole and 0.33 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.43 cm width at the caudal pole and 0.41 cm width at the cranial pole.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

Spleen

HOSPITAL NAME

Cherryville AH

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.

REFERRING VET

Dr. Myers

Liver/ Gallbladder

INVOICE

14897

The liver presented as enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. Normal hepatic vascular volume was noted. The gallbladder was mildly distended in size with normal gallbladder wall without evidence of inflammatory criteria. Anechoic gallbladder content

DATE

8/24/23



PATIENT was present primarily with mild nonorganized hyperechoic lumen sediment, primarily in the caudal lumen and area of the gallbladder neck. No evidence of peripheral gallbladder inflammatory criteria was noted. The cystic and common bile ducts were normal.

Bandit Pham

SPECIES *Gastrointestinal*

Canine 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.

BREED The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

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

SEX *Pancreas*

F 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 were evident.

AGE *Free Abdomen*

2017 No omental masses, lymphadenopathy, or evidence of peritoneal effusion were noted.

WEIGHT Subjective increased amount of intrabdominal fat was noted.

13

ULTRASONOGRAPHIC FINDINGS

- INTERPRETED BY**
- Nonspecific hepatopathy - Sonographically benign, vacuolar hepatopathy, inflammatory / immune-mediated disease, hyperplasia, hematopoiesis, toxic hepatopathy i.e., copper, or other. Infiltrative hepatic neoplasia is considered unlikely.
 - Mild gallbladder sediment - not consistent with mucocele criteria
- R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY There was no evidence of intrabdominal neoplastic criteria, hepatic congestion, or peritoneal effusion.

Rebekah Jakum, CVT ARDMS/RVT

Assuming normal clotting status and using a 25-gauge needle, screening hepatic FNA cytology is warranted for further clarification primarily to assess for evidence of inflammatory criteria, given the ALT elevation.

HOSPITAL NAME

Cherryville AH

Continued hepatosupportive medications including Denamarin and Ursodiol, if tolerated, may prove beneficial. Some degree of hepatic enzyme elevations secondary to Temeril-P, which is listed in the current medications, is suspected.

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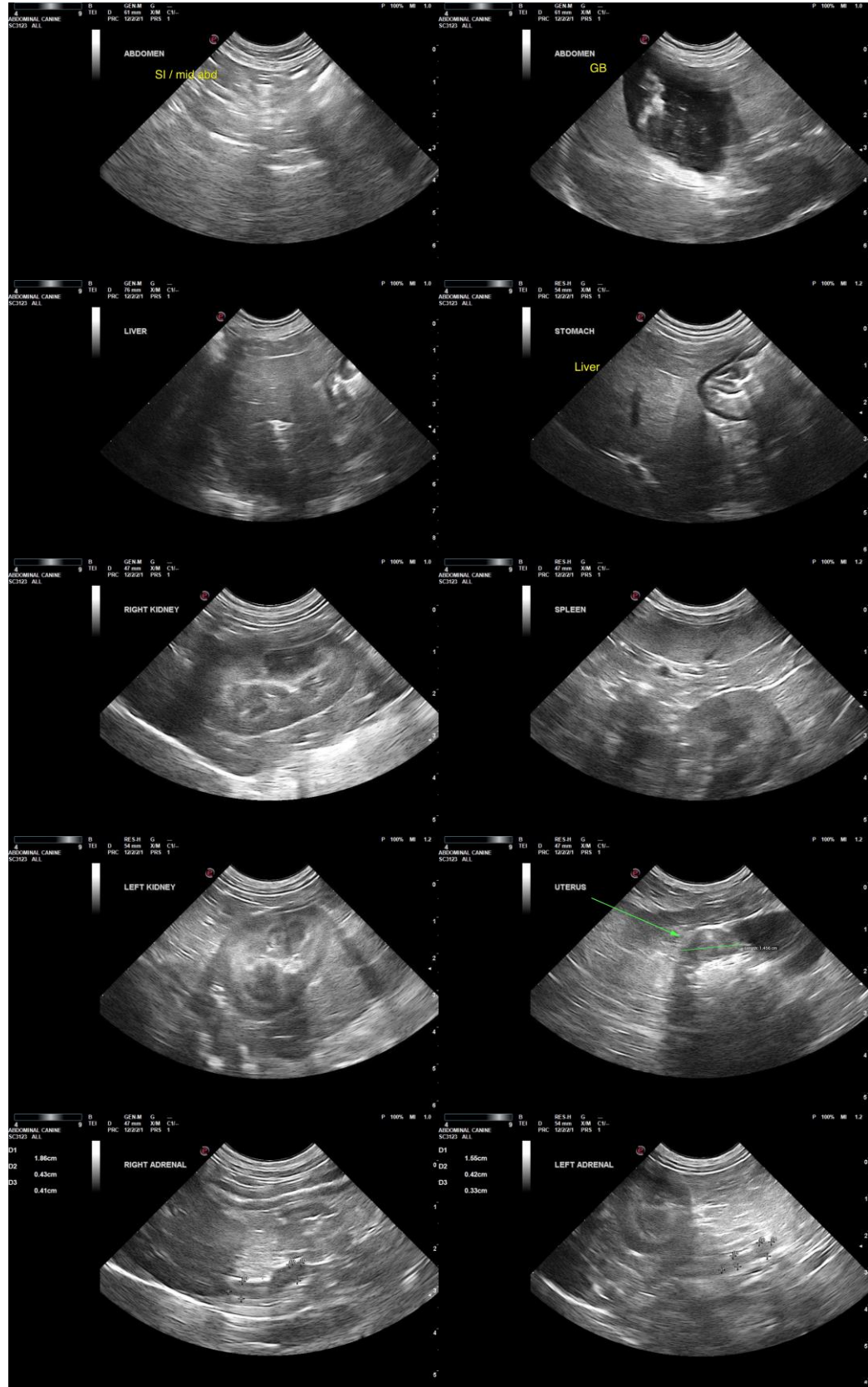
Dr. Myers

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PATIENT

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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.

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

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