



PATIENT PRESENTING CLINICAL SIGNS

Levi Tomek Hematuria, e coli on culture, elevated liver values.
 Medication: Baytril

SPECIES
 12/12/22- ALP 1397, ALT 467, AST 436
 Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Border Collie **Urinary System**

SEX
 MN 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 was noted. No evidence of mineral or calculi was noted.

AGE
 2011 The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture.

WEIGHT
 40 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 was maintained. The medulla and cortices were uniform in texture with some 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 5.8 cm in length. The right kidney measured 5.8 cm in length.

INTERPRETED BY

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Adrenal Glands

The left adrenal gland was indistinctly visualized without overt pathology subjectively measuring 0.64 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.61 cm width at the caudal pole and 0.85 cm width at the cranial pole.

IMAGING PERFORMED BY
 Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

HOSPITAL NAME

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The discernable spleen exhibited homogenous to mildly heterogeneous discretely nodular parenchyma with a maintained symmetrical medial capsule contour. Hypoechoic to mixed echogenic, possibly fluid-filled mass lesion was noted in the lateral aspect of the spleen measuring approximately 6.0 cm in diameter. Normal splenic vascularity was present.

REFERRING VET

Dr. Thayer

Liver/ Gallbladder

The liver was variable to markedly enlarged with asymmetrical contour. A large to likely multiple variably sized to coalescing nonuniform to nodular hepatic masses appearing to extend caudally into to the level of the mid to cranial abdomen were present. An example of a larger liver mass measured approximately 13.0 cm in diameter. A smaller liver mass in the mid-liver measured approximately 8.0 cm in diameter. The gallbladder was mildly distended with suspect mild gallbladder displacement owing to hepatic parenchymal pathology. The gallbladder contained anechoic content with moderate,

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DATE
 2/11/23



PATIENT

nonorganized, variably echogenic gallbladder debris. No evidence post hepatic obstructive criteria was noted. The cystic and common bile ducts were normal.

Levi Tomek

Gastrointestinal

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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.

Canine

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.

BREED

Border Collie

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

Pancreas

SEX

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.

MN

AGE

Free Abdomen

2011

No overt lymphadenopathy or peritoneal free fluid was present.

WEIGHT

ULTRASONOGRAPHIC FINDINGS

40

- Marked to variable hepatomegaly exhibiting large to possible multifocal coalescing hepatic mass/masses
- Mildly displaced gallbladder containing moderate nonorganized gallbladder debris (non-mucocele)
- Hypoechoic to nonhomogeneous lateral splenic mass lesion
- Mild chronic renal changes

INTERPRETED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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 (Canine and Feline)

Although sampling is required for further assessment, the hepatic mass/masses are likely consistent with neoplastic criteria. The splenic mass was more nonspecific with considerations including hematoma, concurrent hemangioma / hemangiosarcoma, hyperplasia, hematopoiesis, metastatic disease, or other.

IMAGING

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Regardless, the liver presentation does not appear to be amendable to curative surgical options.

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A definitive cause of the hematuria in this patient was not obvious given the lack of upper or lower urinary tract pathology. Recheck urine C/S may be considered 7 days post completion of current antibiotics. Hepatic FNA cytology could be considered for further assessment. An unfavorable prognosis is likely indicated.

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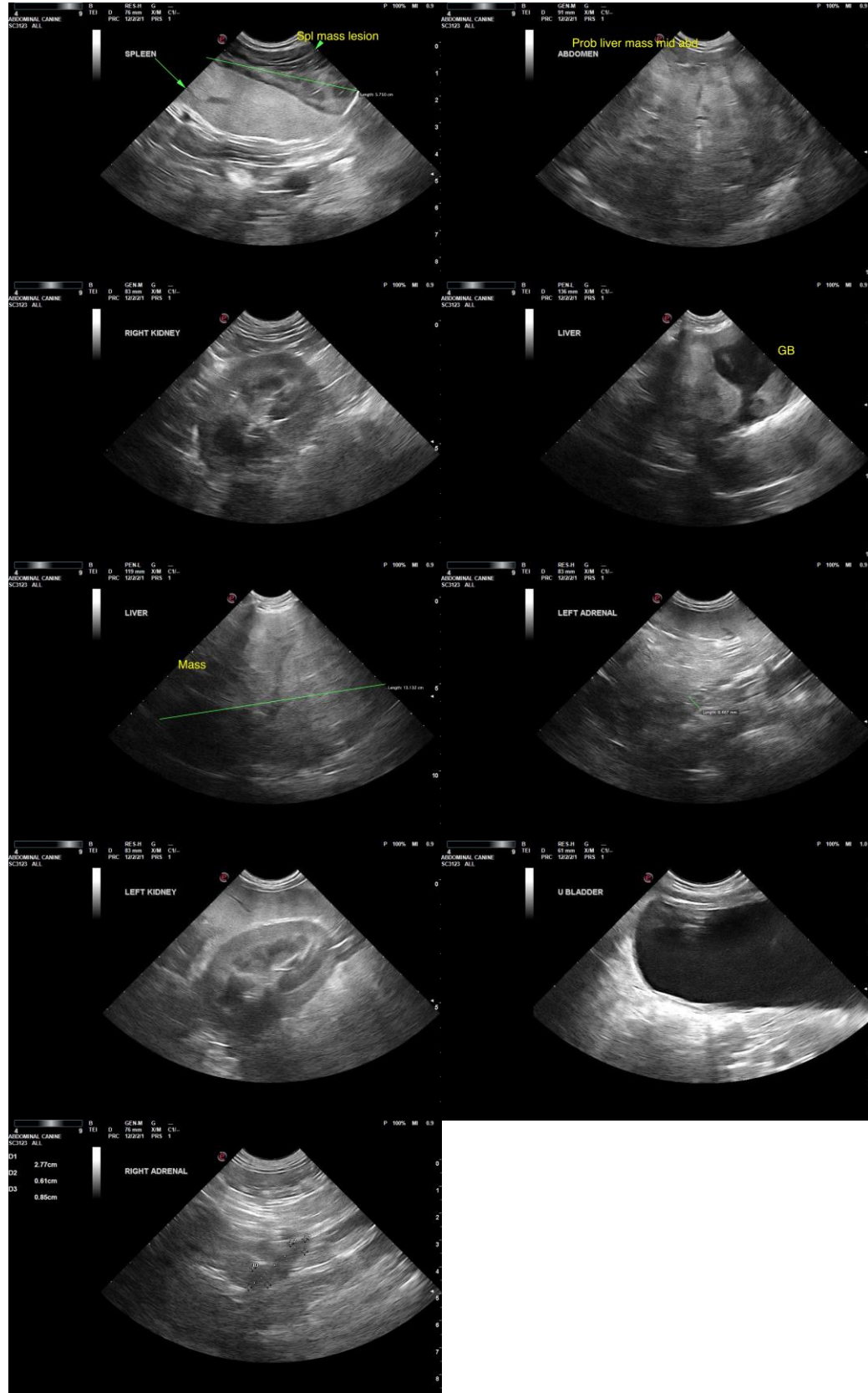
Dr. Thayer

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Canine

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.

BREED

Border Collie

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.

SEX

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