



PATIENT PRESENTING CLINICAL SIGNS

Reaper Paulus Increased appetite, distended abdomen, concern for abdominal mass.

SPECIES

Canine

ALP 481, ALT 126, Na/K ratio 24, Cholesterol 374, Triglycerides 344, Precision PSL 201, Platelets 574

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Beagle

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm 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.

SEX

The residual prostate was free of pathology.

MN

The area of the aortic trifurcation was free of pathology.

AGE

2013

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. Focal small cortical cysts were present in both kidneys. The left kidney measured 6.0 cm in length. The right kidney measured 6.6 cm in length.

WEIGHT

27

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia or adrenal tumors. The left adrenal gland measured 1.8 cm length x 0.65 cm width at the caudal pole. The right adrenal gland measured 2.6 cm length x 0.59 cm width at the caudal pole.

INTERPRETED BY

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

Spleen

IMAGING

PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

The spleen exhibited normal size and contour with generalized mild parenchyma heterogeneity. A mildly expansive, nonhomogeneous, mid-splenic nodule was present measuring 1.7 cm in diameter. Concurrent smaller nondisruptive uniform hypoechoic nodule was noted in the caudal spleen measuring 0.26 cm in diameter.

HOSPITAL NAME

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Liver/ Gallbladder

REFERRING VET

Dr. Thayer

The liver was moderate to markedly enlarged with the ventral caudal liver extending past the level of the gastric axis and to the potential mid-abdomen. Rounded to mild asymmetrical hepatic capsule contour was noted with generalized nonhomogeneous parenchyma. Multiple, variably sized, nonhomogeneous, intraparenchymal nodules were noted with some nodules exhibiting mild central hyperechogenicity with mildly hypoechoic periphery. An example of a larger hepatic nodule in the mid-deep parenchyma measured 2.6 cm in diameter. The gallbladder was non-distended in size containing primarily anechoic content with mild, dependent, hyperechoic, nonorganized gallbladder debris. No evidence of gallbladder or peripheral gallbladder inflammation or post hepatic obstructive criteria was noted. The cystic and common bile ducts were normal.

INVOICE

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DATE

2/10/23



PATIENT ***Gastrointestinal***

Reaper Paulus 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.

SPECIES 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.

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

BREED ***Pancreas***

Beagle The pancreas was normal in size and contour with heterogeneous isoechoic parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

SEX ***Free Abdomen***

MN No overt lymphadenopathy or peritoneal effusion was present.

AGE **ULTRASONOGRAPHIC FINDINGS**

2013 ***Primary Findings***

- Moderate to marked hepatomegaly exhibiting nonhomogeneous nodular parenchyma
- Nonspecific variably expansive splenic nodules
- Sonographically normal gastrointestinal tract
- Mild heterogeneous pancreas

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Secondary Findings

- Mild age-related kidneys with small cortical cysts

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The potential perceived abdominal mass in this patient likely secondary to hepatomegaly without evidence of a definitive intraabdominal mass.

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The hepatosplenic nodules were nonspecific with considerations including hyperplasia, hematopoiesis, granulomas, splenitis, or similar. However, the hepatosplenic nodules are somewhat concerning for possible emerging neoplastic process, given the mild expansive nature of the larger splenic nodule, as well as potential for hepatic nodules exhibiting mild central hyperechogenicity with mild hypoechoic periphery, which may indicate target lesion criteria. Assuming normal clotting status, hepatosplenic nodule FNA cytology is warranted for further clarification.

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Adrenal workup could be considered if concurrent PU/PD in addition to polyphagia is present. Fasting cholesterol and triglyceride levels may be considered. No sonographic evidence of active pancreatitis, although low-grade to chronic pancreatitis may present as sonographically normal and could be present if clinical signs suggestive of chronic pancreatitis are present.

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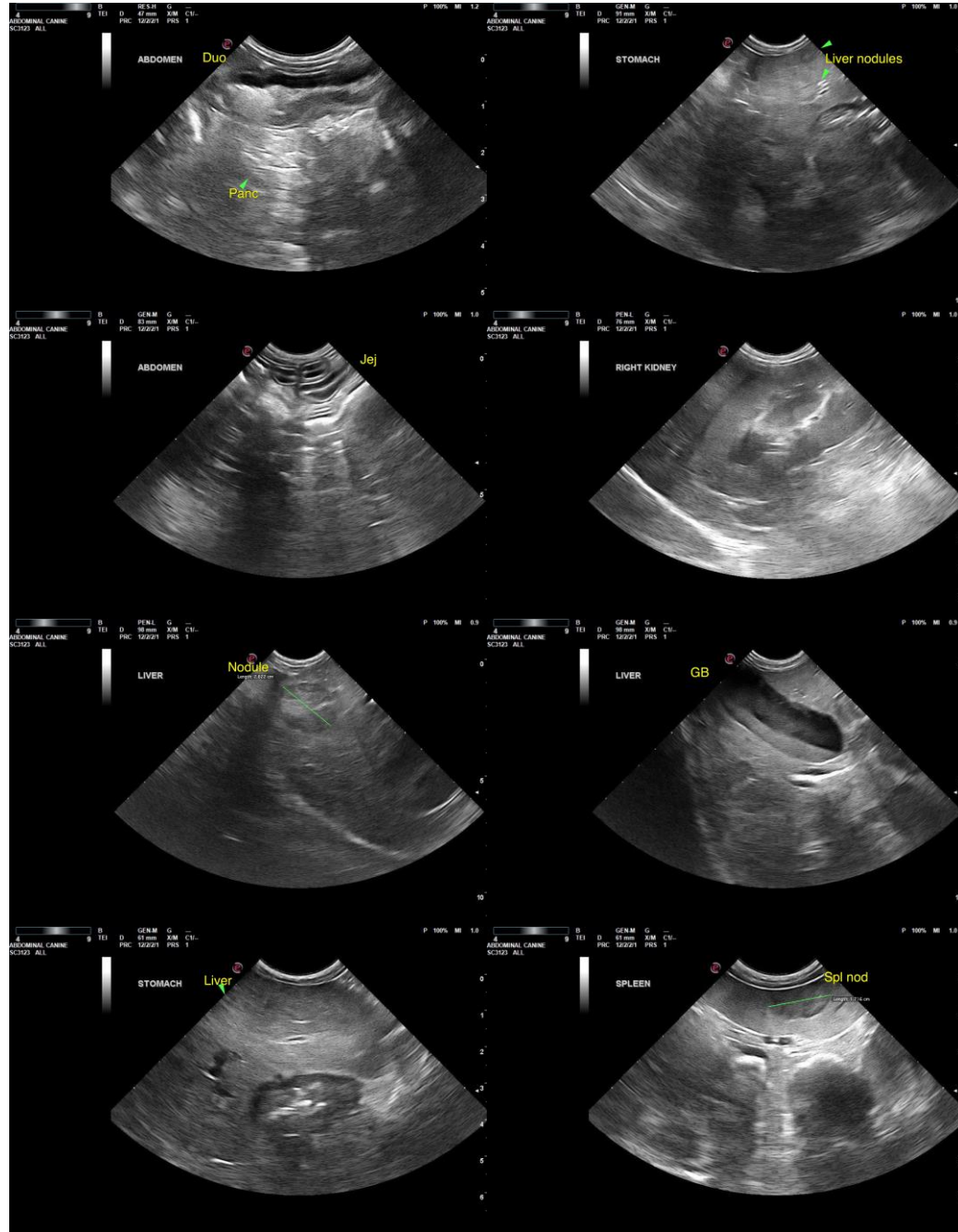
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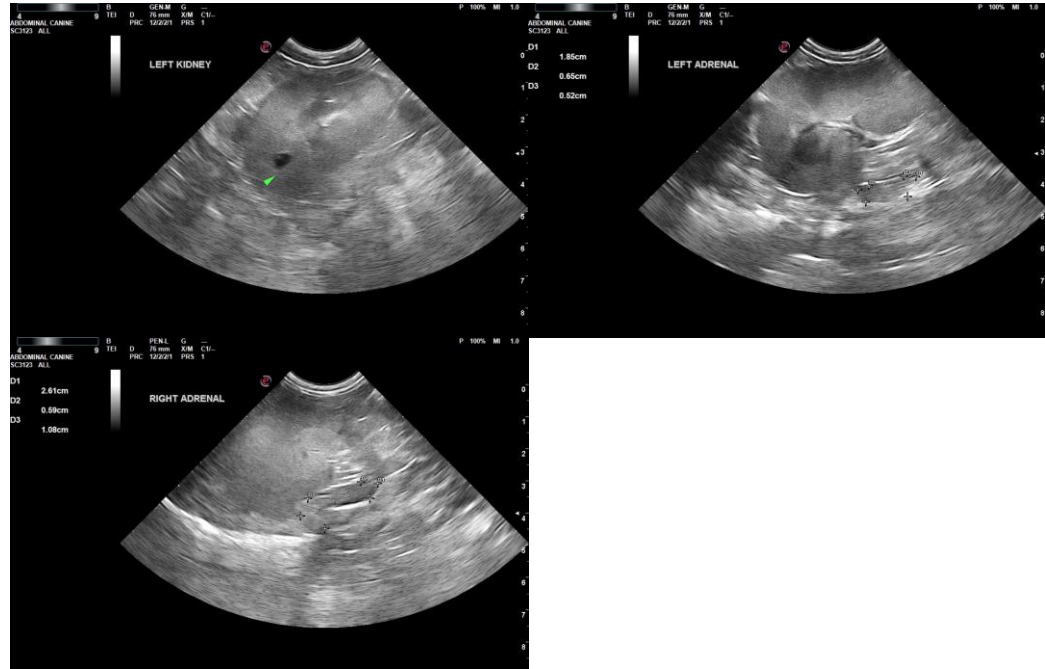
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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