



PATIENT

Daisy Chaput

SPECIES

Canine

BREED

Min Schnauzer

SEX

FS

AGE

13 years

WEIGHT

10.8 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jasmine Palacios
SDEP Attendee

HOSPITAL NAME

Rivers Edge Pet
Medical Center

REFERRING VET

Dr. Stern

INVOICE

14346

DATE

7/21/22

PRESENTING CLINICAL SIGNS

History of intermittent inappetence, V+, D+. CE limited w/o sedation; H/L WNL, NSF on abdominal palp, 1/4cm firm cutaneous nodule L caudal abd (surgically removed 7/1/22, excision complete, simple mammary adenocarcinoma, no lymphovascular invasion detected) and 1/2 c, soft SQ growth ventral sternum/thorax. Per O, p currently on gabapentin and Synovi chews
Abnormal PE/Chem/CBC/UA Results: See attached labs: CBC/CHEM WNL except: ALT 377 H (17-115) AST 49 H (11-46) GGT 13 H (<9) See attached rads: R/O mets (lungs radiographically clear atm)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was mildly subnormal in size owing to lack of urine distention. Mild anechoic urine was present with no sediment or calculi. No overt evidence of inflammatory or neoplastic urinary bladder criteria was noted. The urethra exhibited normal structure and tone to a depth of 2.0 cm.

The area of the aortic trifurcation was free of pathology including no evidence of medial Iliac or sublumbar lymphadenopathy.

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 3.9 cm in length. The right kidney measured 4.3 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.43 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 0.37 cm width at the caudal pole and 0.60 cm width at the cranial pole.

Spleen

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.

Liver/ Gallbladder

The liver exhibited subjective mild enlargement. 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. Mild nondependent particulate gallbladder debris was present. The gallbladder walls were sonographically normal without evidence of gallbladder or peripheral gallbladder inflammatory criteria.



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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. The gastric body wall width measured 0.43 cm.

SPECIES

Canine

The small intestine presented intact wall layering and primarily maintained a 1:3 muscularis/mucosa ratio with segmental propensity for mildly prominent small Intestinal mucosa exhibiting intermittent nonspecific mucosal speckling. The duodenum wall measured 0.41 cm width. The jejunum wall measured 0.41 cm width.

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

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Pancreas

AGE

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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.

WEIGHT

10.8 lbs.

Free Abdomen

No omental masses, lymphadenopathy or effusion was present.

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ULTRASONOGRAPHIC FINDINGS

- Mild age-related kidneys
- Intact gastrointestinal walls exhibiting intermittent minor small intestinal mucosal speckling
- Hepatopathy - subjective benign, metabolic / vacuolar / reactive low-grade inflammatory hepatopathy possible, no evidence of hepatic neoplastic or metastatic criteria
- Minor gallbladder debris - non-mucocele, no sonographic evidence of cholecystitis

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The small intestine exhibited subtle mural changes including intermittent mucosa speckling which may suggest an underlying, likely mild, inflammatory process. As-needed gastrointestinal support including hydrolyzed diet trial with potential long-term dietary therapy and assessment of clinical response would be reasonable.

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No overt evidence of intraabdominal metastasis secondary to mammary adenocarcinoma.

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Screening ultrasound-guided hepatic FNA, assuming normal clotting status, and using a 25-gauge needle, could be considered for screening cytology primarily to assess for evidence of Inflammatory cells. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial. Sonographic monitoring based on oncology recommendations is suggested.

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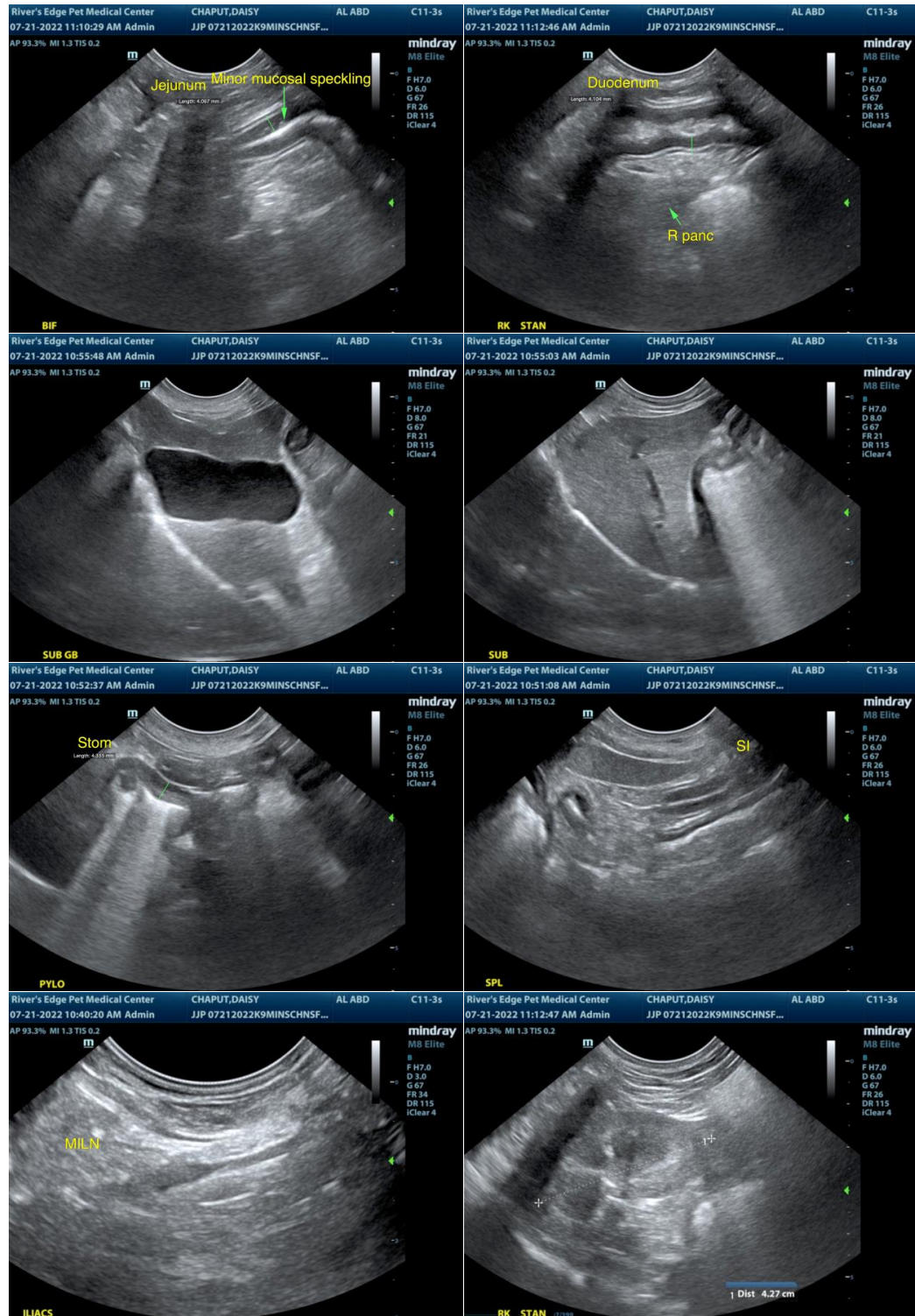
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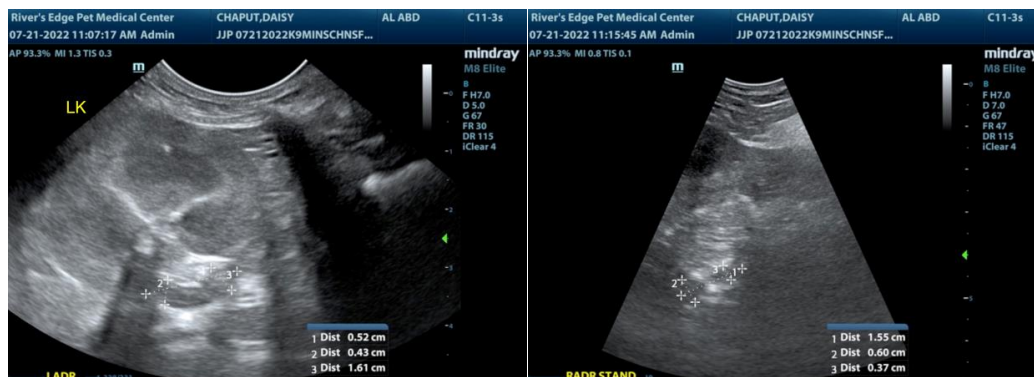
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com