



PATIENT	PRESENTING CLINICAL SIGNS
Ricki Painter	Abscess surgical repair in 3/23 after 3/23 lab work was run Elbow dysplasia L forelimb Previously on carprofen, gabapentin, abx after 3/23 labwork results and procedure 3/1/2023 Middle right side of back, lump appears swollen, swelling underneath lump is larger than baseball. Since last night lump has doubled in size. P has had lumps in the past that have drained on their own, and have had two surgically removed prior.
SPECIES	
Canine	
BREED	Abnormal PE/Chem/CBC/UA Results: date:3/2/2023_ Increased AST (86 IU/L; reference range 15-66 IU/L) Increased ALT (563 IU/L; _12-118 _ date:4/5/2023 - On Denamarin since previous lab work Increased ALT (913 IU/L; reference range 12-118 IU/L); ALT was 563 IU/L on 3/2/2023) Increased ALKP (177 IU/L; reference range 5-131 IU/L); ALKP was normal on 3/2/2023) Increased HGB (21.4 g/dL; reference range 12.1-20.3 g/dL) Increased HCT (64 %; reference range 36-60%)
Boxer Mix	
SEX	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
FS	Urinary System
AGE	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5 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 were noted.
9yr	
WEIGHT	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 6.2 cm in length. The right kidney measured 6.2 cm in length.
61lb	
INTERPRETED BY	The area of the aortic trifurcation was free of pathology.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The area of the uterine remnant appeared normal and free of pathology.
IMAGING PERFORMED BY	Adrenal Glands
Robyn Lantz	The left and right adrenal glands were not definitively visualized. No obvious pathology was present in the area of the bilateral adrenal glands. The left adrenal gland measured 0.49 cm width at the caudal pole. The right adrenal gland measured 0.56 cm width at the caudal pole.
HOSPITAL NAME	Spleen
Eastgate Veterinary Clinic	The spleen exhibited mild to possible moderate generalized enlargement likely secondary to sedation and 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	Liver/Gallbladder
Dr. Franz	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.
INVOICE	Gastrointestinal
13464ag	
DATE	
04/14/2023	



PATIENT

Ricki Painter

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

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.

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

Pancreas

BREED

Boxer Mix

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 was evident.

SEX

FS

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

9yr

- Non-specific subjective benign hepatopathy with normal vascular volume.
- Sonographically unremarkable gallbladder.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

61lb

Overall, there is no overt evidence of significant abdominal visceral pathology. The liver was non-specific yet consistent with benign hepatopathy. Primary consideration for non-specific inflammatory hepatic disease given the ALT elevations i.e., non-specific hepatitis (viral, bacterial, leptospirosis, toxin etc.), copper hepatopathy with concurrent or primary vacuolar hepatic changes, hematopoiesis, hyperplasia, or other hepatopathy possible. No evidence of neoplastic criteria.

INTERPRETED BY

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

Assuming normal clotting status, an ultrasound guided hepatic FNA for screening cytology could be considered for further assessment and possible identification of inflammatory cell type if present. Hepatic core surgical biopsy with histopathology and copper assessment may be required for a definitive diagnosis. Hepatosupportive medications such as Denamarin may prove beneficial.

IMAGING PERFORMED BY

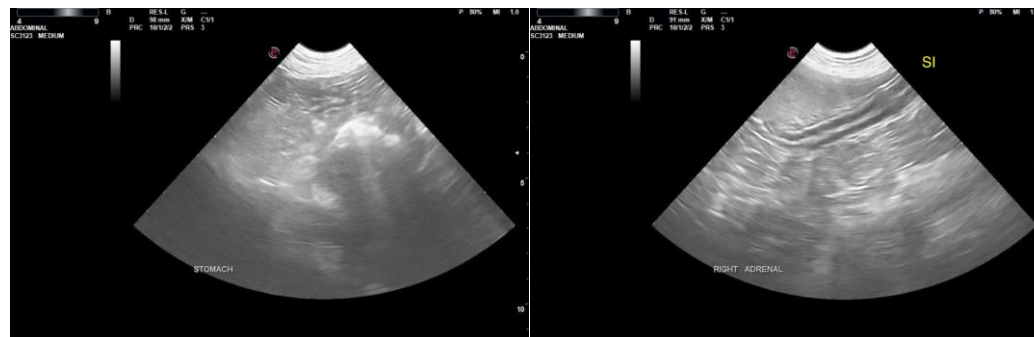
Robyn Lantz

HOSPITAL NAME

Eastgate Veterinary
Clinic

REFERRING VET

Dr. Franz



INVOICE

13464ag

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SPECIES

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Boxer Mix

SEX

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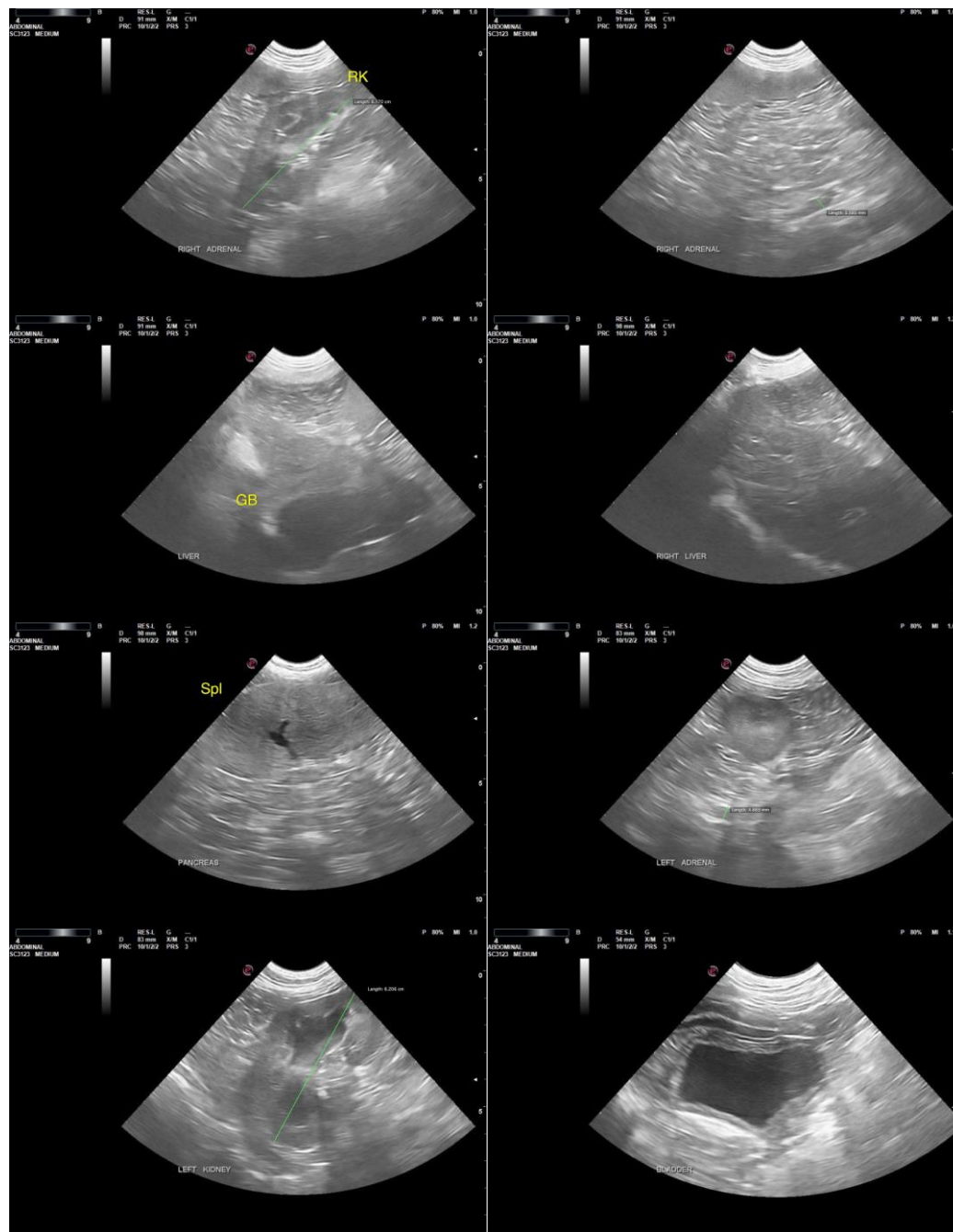
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)
mac.daniel@sonopath.com



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SPECIES

Canine

BREED

Boxer Mix

SEX

FS

AGE

9yr

WEIGHT

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