



PATIENT PRESENTING CLINICAL SIGNS

Bella Sitty
Persistent liver enzyme elevation.
Abnormal PE/Chem/CBC/UA Results: ALP 824, ALT 154, K+ 5.7, Chol. 344.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Pug X

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 were noted.

SEX

Spayed Female

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 loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia noted in both kidneys. Small solitary cortical cyst noted in both kidneys. The right kidney measured 3.9 cm. The left kidney measured 4.3 cm. The right kidney was mildly subnormal in size compared to the left.

AGE

12 Years

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

23.4 Pounds

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.77 cm at the cranial pole and 0.74 cm at the caudal pole. The right adrenal gland measured 0.62 cm at the cranial pole and 0.45 cm at the caudal pole.

Spleen

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Kelly Vazquez

Liver

HOSPITAL NAME

Animal General
on the Hudson

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild parenchymal remodeling. 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.

REFERRING VET

Dr. Karen Zelinski

Gastrointestinal

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.

INVOICE

30059

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.

DATE

11/24/21



PATIENT

Pancreas

Bella Sitty

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.

SPECIES

Canine

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREED

Pug X

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy – consistent with chronic hepatopathy, subjectively benign
- Sonographically unremarkable gallbladder
- Bilateral chronic renal changes with mild pyelectasia and right kidney cortical cyst

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

AGE

12 Years

The appearance of the liver was nonspecific but most consistent with benign hepatopathy. Considerations for the liver may include vacuolar hepatopathy and hepatic cholestasis in light of the elevated ALP or primary or concurrent inflammatory/infectious hepatic disease in light of the elevated ALT. No overt evidence of hepatic neoplasia which is considered unlikely. Ultrasound guided FNA of the liver using a 25-gauge needle and assuming normal coagulation parameters would be warranted for screening cytology, primarily to assess for evidence of inflammatory cells and to rule out unlikely neoplasia. Hepatosupportive medications such as Denamarin or Vitamin E as well as Ursodiol due to its antioxidant and immunomodulatory effects within the liver would be warranted, although these medications may not result in decreased hepatic enzyme levels.

WEIGHT

23.4 Pounds

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(Canine and Feline)

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BREED

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SEX

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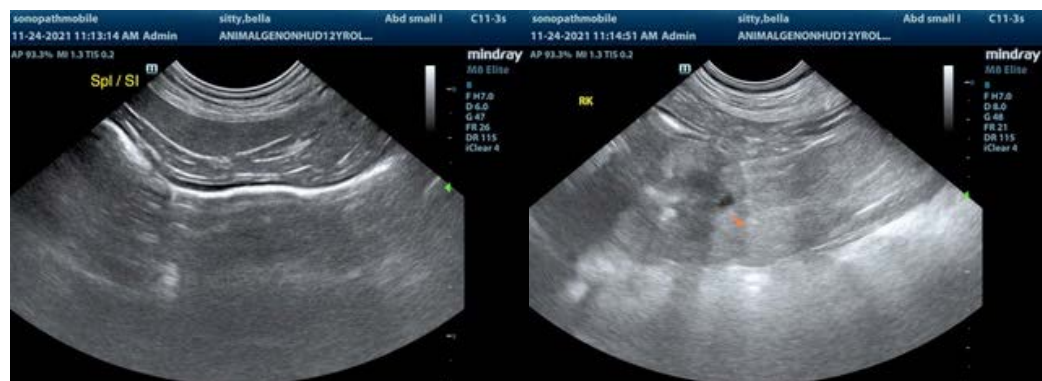
Dr. Karen Zelinski

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PATIENT

Bella Sitty

The information and recommendations provided are based on the images presented by the referring veterinarian. 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

Pug X

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

SEX

Spayed Female

AGE

12 Years

WEIGHT

23.4 Pounds

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