

PATIENT PRESENTING CLINICAL SIGNS

Muneca Campos Elevated liver values. Sedated with dexdomitor for study.
 Abnormal PE/Chem/CBC/UA Results: ALP 238; ALT 145; GGT 148; Tbili 4.6; ALB 5.4; TP 8.9

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine *Urinary System*

BREED 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.

Poodle Mix

SEX No evidence of pathology in the area of the aortic trifurcation.

FS 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. Pinpoint left kidney medullary mineral was present. The left kidney measured 5.0 cm in length. The right kidney measured 5.4 cm in length.

AGE *Adrenal Glands*

8 Years The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.53 cm width at the caudal pole and 0.55 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 0.62 cm width at the caudal pole and 0.40 cm width at the cranial pole. No evidence of hyperplasia or neoplasia.

WEIGHT

15 lbs

INTERPRETED BY *Spleen*

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 *Liver*

Pamela Harrigan, RDCS The liver presented mildly enlarged in size. 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.

HOSPITAL NAME The gallbladder was non distended in size with mild particulate echogenic gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

East Boston Animal Hospital

REFERRING VET *Gastrointestinal*

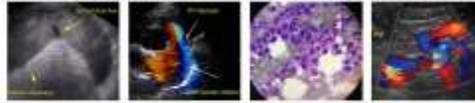
Raman Chopra, DVM The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. The gastric body wall measured 0.25 cm width.

INVOICE 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. The duodenum wall measured 0.40 cm.

46902

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

8-8-21



PATIENT

Pancreas

Muneca Campos

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

Intermittent likely incidental subjectively reactive mesenteric lymph nodes were present. An example measured 0.32 cm.

BREED

Poodle Mix

No overt peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

SEX

FS

- Nonspecific hepatopathy - subjectively benign.
- Minor gallbladder debris (nonmucocele).

AGE

8 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Potential considerations for the liver may include benign or idiopathic vacuolar hepatopathy with hepatic cholestasis in light of the elevated ALP /total bilirubin combination with potential for nonspecific low grade hepatitis (inflammatory, infectious, or other) in light of the elevated ALT. No overt evidence of hepatic neoplasia or post hepatic obstruction. Hepatic FNA using a 25-gauge needle and assuming normal clotting status may be considered for screening cytology and potential further clarification. Leptospirosis titers/pcr may also be considered if clinically indicated. Empirically, hepatosupportive medications including denamarin and ursodiol may prove beneficial. Hepatic core biopsy may be required and considered for a definitive diagnosis if increasing hepatic enzymes are noted despite hepatosupportive medications.

WEIGHT

15 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Pamela Harrigan, RDMS

HOSPITAL NAME

East Boston Animal
Hospital

REFERRING VET

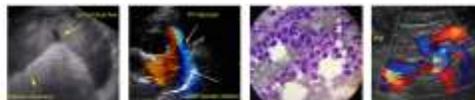
Raman Chopra, DVM

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SPECIES

Canine

BREED

Poodle Mix

SEX

FS

AGE

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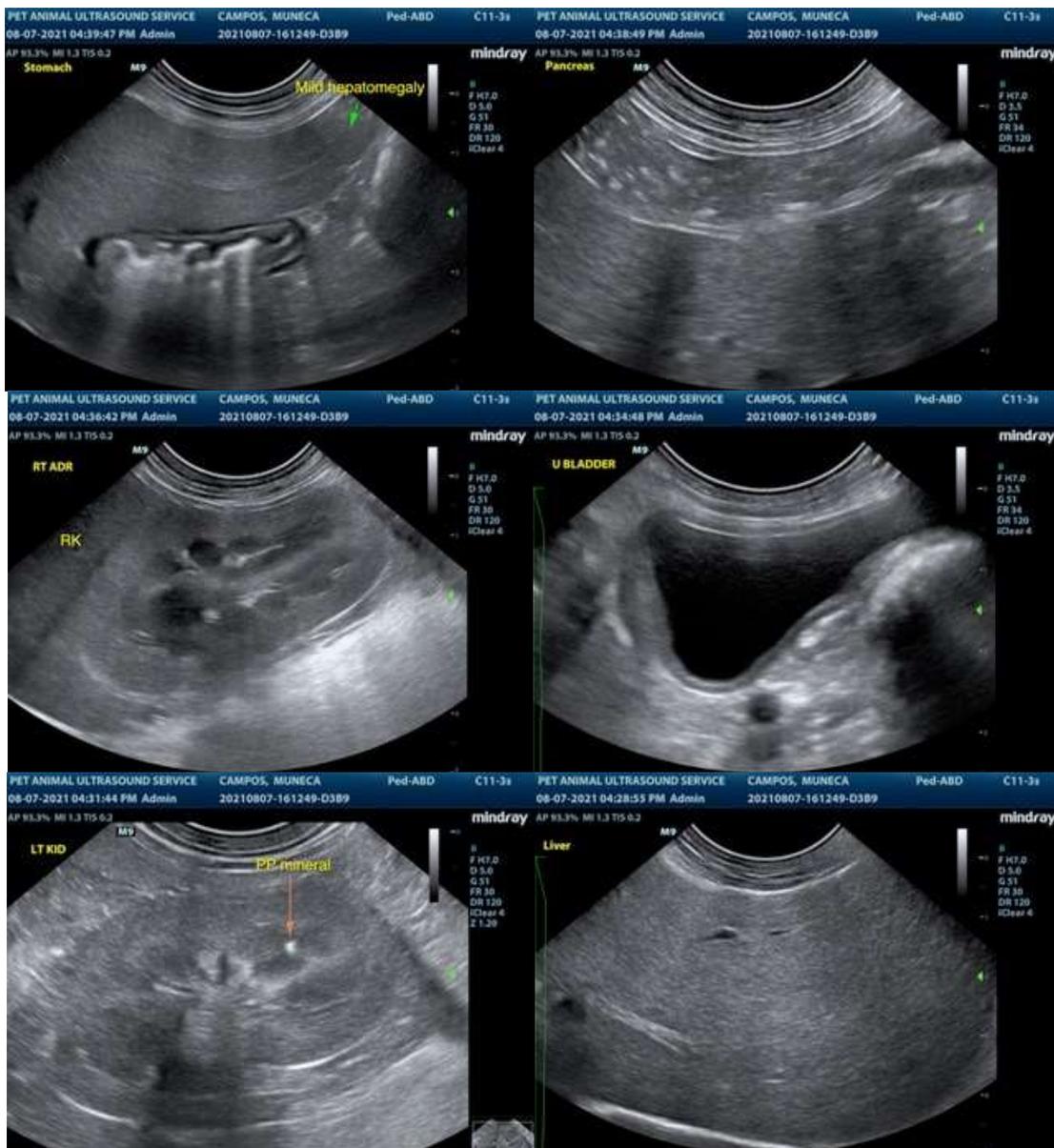
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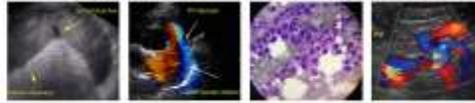
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Canine

BREED

Poodle Mix

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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.

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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