



PATIENT PRESENTING CLINICAL SIGNS

Noodle Turiello History: Elevated ALT, Alkph, GGT, lipase, Spec cPL
Medication: Dasuquin w/ MSM

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED

Poodle Mix

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 were noted.

SEX

Neutered Male

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 0.63 cm in width.

AGE

11 years

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. No evidence of pelvic dilation was present. Multiple small cortical cysts were noted in both kidneys. The left kidney measured 4.6 cm. The right kidney measured 4.8 cm.

WEIGHT

21 Pounds

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.63 cm at the cranial pole and 0.68 cm at the caudal pole. The right adrenal gland measured 1.2 cm at the cranial pole and 0.52 cm at the caudal pole.

INTERPRETED BY

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

Spleen

The spleen was normal in size and exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Alburtis AH

Liver

The liver exhibited a moderately sized to large asymmetrically marginated, mixed echogenic mass occupying the area of the mid to caudoventral liver, extending caudally, subjectively passed the level of the gastric axis. The mass measured approximately 7.0-8.0 cm in diameter. Hepatic parenchyma not associated with the mass exhibited mild parenchyma remodeling, yet overall normal echogenicity. Regional perigastric reactive mesentery around the mass was present. No evidence of peritoneal effusion. Moderate non-dependent, mildly inspissated gallbladder debris was present. The gallbladder was non-distended without evidence of inflammatory criteria. The common bile duct was normal.

REFERRING VET

Dr. Smith

INVOICE

33150

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.

DATE

12.1.2021



PATIENT Noodle Turiello
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.

SPECIES *Pancreas*

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

BREED

Poodle Mix

ULTRASONOGRAPHIC FINDINGS

- Large, non-homogeneous to cystic liver mass
- Moderate gallbladder debris (non-mucocele)
- Heterogeneous to echogenic pancreas
- Bilateral mild chronic renal changes with cortical cysts

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

11 years

Assuming normal clotting status, FNA of the liver mass may be considered for screening cytology and potential further clarification. Based on location, the mass subjectively may be amenable to surgical resection. Surgical consultation +/- surgical planning and assessment for non-obvious metastasis with CT assessment may be considered. If neoplastic, overt evidence of intrahepatic or regional intraabdominal metastasis was not overtly evident. The appearance of the pancreas may suggest age related pancreatic changes, while potential for parenchymal remodeling owing to previous inflammation or low-grade to chronic current inflammation is possible. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

WEIGHT

21 Pounds

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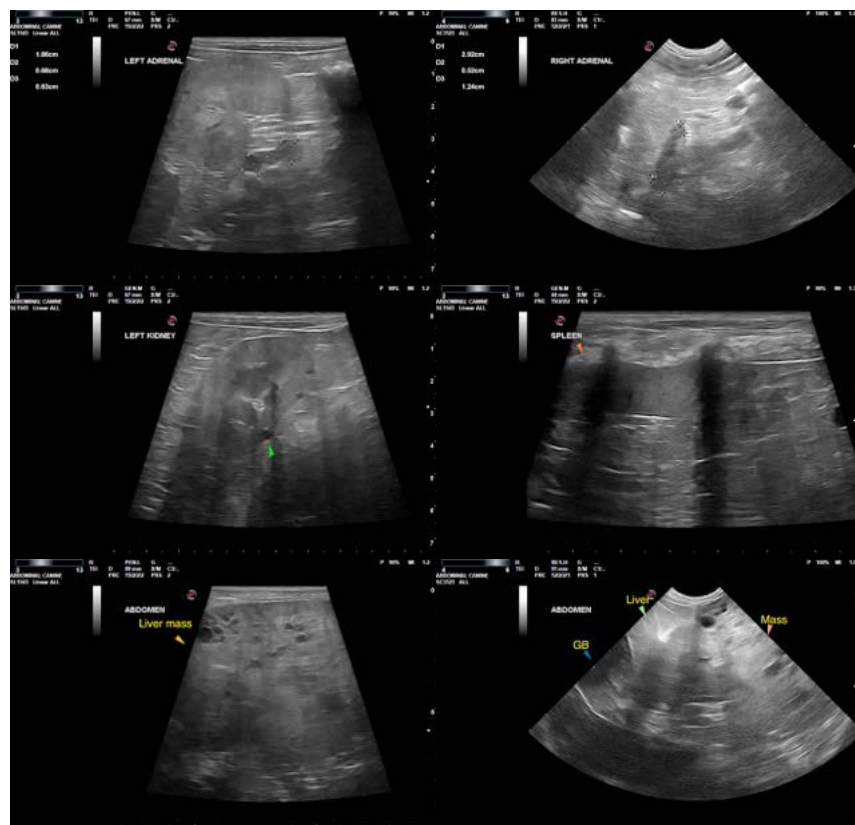
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SPECIES

Canine

BREED

Poodle Mix

SEX

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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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