



PATIENT PRESENTING CLINICAL SIGNS

Fizzie Moran

History: 24hr hx inappetence/diarrhea/nausea. Concerned about gallbladder and intestines/liver.
Current meds: cerenia, ondansetron, prednisone, nutrived potassium citrate granules, metronidazole
From ophthalmologist: sodium chloride, gabapentin, blink tears eye drops, generic cosopt, latanoprost, demecarium bromide

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Alk Phos 953, BUN/Creat ratio 30, Magnes 3.4, Cholest 400, Triglyc 4025, PrecisionPSL 468, WBC 15.6, Platelet 620, Neut 82, Abs neut 12792

BREED

Shih Tzu

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Neutered male

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. A small amount of calculi were noted. Grouping of which measured 0.8 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

AGE

11 years

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Moderate mineralization was noted. The right kidney measured 5.1 cm. The left kidney measured 4.49 cm.

WEIGHT

17.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 1.98 x 0.36 cm at the caudal pole and 0.33 cm at the cranial pole. The right adrenal gland measured 1.57 x 0.32 cm at the caudal pole and 0.28 cm at the cranial pole.

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Allendale VH

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Singhani

INVOICE

96656

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic

DATE

3/8/22



PATIENT

lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Fizzie Moran

SPECIES

Gastrointestinal

Canine

The **gastrointestinal tract** revealed minor pyloric thickening with enhanced surrounding mesentery around the pyloric outflow and right pancreatic limb. This is suggestive for inflammation. The upper duodenum was mildly spastic.

BREED

Shih Tzu

Pancreas

SEX

Enhanced surrounding mesentery was noted around the right pancreatic limb. This is suggestive for inflammation. This region in question measured 3.0 x 2.0 cm.

Neutered male

AGE

Free Abdomen

11 years

A slight amount of free fluid was noted.

WEIGHT

ULTRASONOGRAPHIC FINDINGS

17.8 lbs

Gastroduodenitis.

Chronic active pancreatitis.

INTERPRETED BY

Slight amount of free fluid.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Bladder sand/calculi.

IMAGING PERFORMED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Jessica Miller, RDMS

The patient is likely passing calculi periodically. IV fluid support, GI protectants, broad spectrum antibiotics and pain management is all indicated. Once the pancreatic presentation has resolved eventual cystotomy, stone analysis and culture is indicated. The calculi are likely oxalate given the echotexture, breed and history.

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BREED

Shih Tzu

SEX

Neutered male

AGE

11 years

WEIGHT

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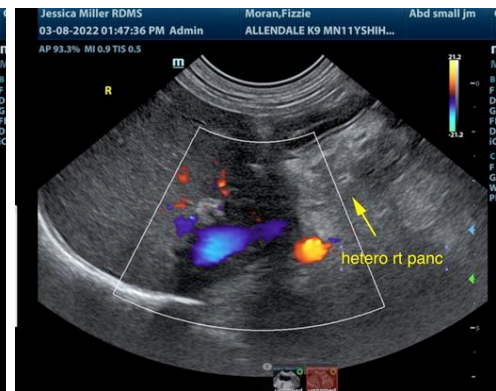
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com