



PATIENT PRESENTING CLINICAL SIGNS

Benito Castro
SPECIES History: Check gallbladder for any development of mucocele. Hx of ITP currently on Prednisone 5mg sid , 50mg Atopica, Ursodiol and Dasuquin.
 Abnormal PE/Chem/CBC/UA Results: 6/6/2022-ALT 689, GGT 699, ALKP too lipemic to read (9679 after dilution), CHOL 386, WBC 17.60, PLT 520, USG 1.016

Canine
ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Maltese
SEX The urinary bladder and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present moderate echogenic dependent and suspended debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.
 MN

AGE The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present.
 9 yr

WEIGHT The left kidney measured 4.73 cm in length. The right kidney measured – cm in length.
 12.8 lb
 The residual prostate was uniform measuring 0.6 cm.

INTERPRETED BY *Adrenal Glands*

Eric Lindquist, DMV
 DABVP, Cert. IVUSS
IMAGING PERFORMED BY Shari Reffi CVT
 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 1.95 cm in length by 0.56 cm caudal pole width by 0.4 cm cranial pole width. The right adrenal gland measured 2.0 cm in length by 0.5 cm caudal pole width by 0.6 cm cranial pole width.

Spleen

HOSPITAL NAME 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 were noted.
 Raritan Valley
 Veterinary Hospital

REFERRING VET

Dr. Verma
Liver

INVOICE The liver images submitted revealed diffusely hyperechoic and attenuating parenchyma consistent with vacuolar hepatopathy with the possibility of suppurative hepatitis. The gallbladder presented normal contour yet was mildly thickened with polyploid changes and small amount of sand, no evidence of mucocele formation. acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.
 10768ag

DATE *Gastrointestinal*

06/09/2022



PATIENT

Benito Castro

Examination of the gastrointestinal tract revealed a full stomach with intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

Pancreas

The base and limbs of the pancreas were observed to be largely hypoechoic to surrounding omental fat. The pancreas appeared irregular with coarse architecture noted throughout the pancreatic parenchyma with undulating contour. History of pancreatitis and low grade inflammation present.

BREED

Maltese

ULTRASONOGRAPHIC FINDINGS

SEX

- Bladder debris-UTI vs blood clots
- Vacuolar hepatopathy lipidosis pattern with possible suppurative hepatitis
- Biliary calculi
- Possible pancreatitis and chronic pancreatic changes

MN

AGE

9 yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

12.8 lb

A coag panel and a 25g FNA of the liver is warranted. Continued Ursodiol therapy is warranted. No mucocele formation was observed at this time however there is diffuse hepatic disease. A bile acid profile is warranted to assess for dysfunction. No structural evidence of neoplasia was present in this study.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

For an additional charge, internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

IMAGING PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Raritan Valley
Veterinary Hospital

REFERRING VET

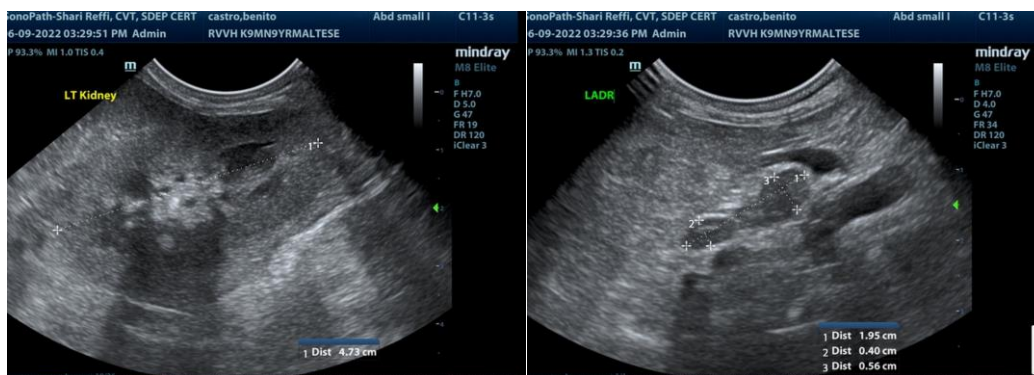
Dr. Verma

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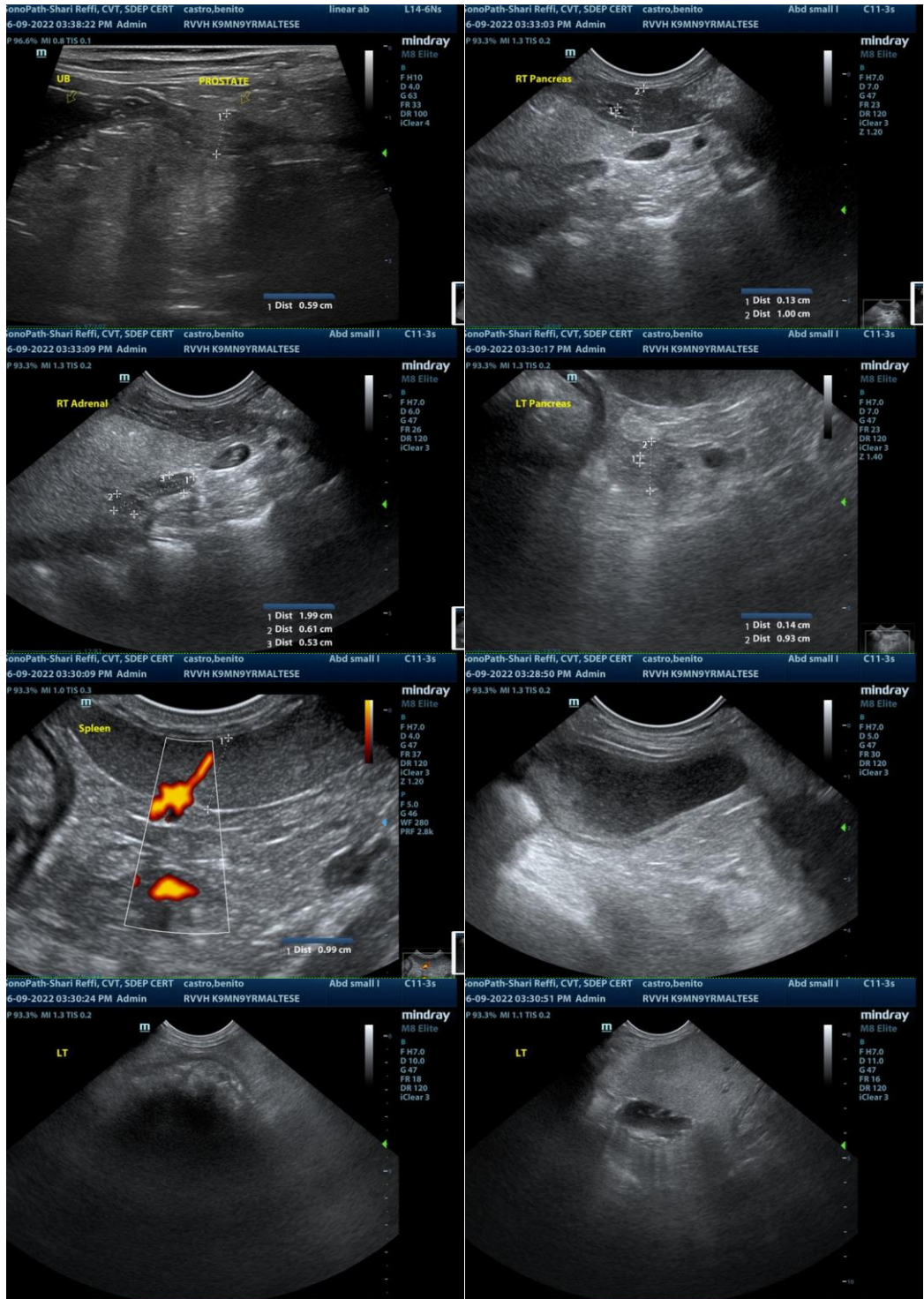
Dr. Verma

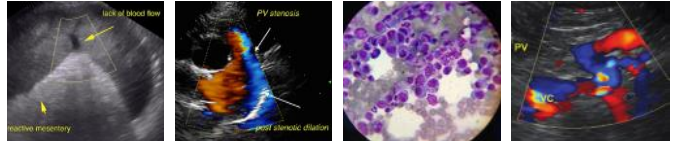
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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