



PATIENT PRESENTING CLINICAL SIGNS

Georg Sheffer 11/29: presented for acute onset of PU/PD and panting excessively., lethargic on and off. PE: Obese, matted, high FAS. Had to come back on PVPs in order to get diagnostics. Came back the following day on gaba/traz - see below for CBC/chem/T4 results. 12/13: came back on acepromazine, which was the best. Thyroid panel + chemistry done, abdominal xrays performed and AGE. Anal glands were moderately full, expressible.

SPECIES Canine

Medication: Hepatosupport

BREED Abnormal PE/Chem/CBC/UA Results: ALP 379, prev UCCR wnl, prev USG 1.016, neg protein/glu

Bernese Mtn Dog ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX *Urinary System*

MN The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

AGE 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. The left kidney measured 7.5 cm in length. The right kidney measured 7.1 cm in length.

WEIGHT 127

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY The area of the residual prostate appeared normal and free of pathology.

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

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.67 cm width at the caudal pole and 2.9 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.39 cm width at the caudal pole and 2.4 cm length.

IMAGING PERFORMED BY
Rebekah Jakum, CVT
ARDMS/RVT

Spleen

The spleen exhibited subjective mild enlargement, maintained symmetrical capsule contour and mild parenchyma heterogeneity. Normal overall parenchyma echogenicity. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. No masses or nodules noted.

HOSPITAL NAME

Compassion AH

REFERRING VET *Liver/Gallbladder*

Dr. LoGuidice The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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 with mild to moderate non-dependent non-organized echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

INVOICE

12614ag

DATE
01/06/2023

Gastrointestinal



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Georg Sheffer

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 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.

SPECIES

Canine

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

Pancreas

BREED

Bernese Mtn Dog

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.

Free Abdomen

SEX

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

MN

ULTRASONOGRAPHIC FINDINGS

AGE

2016

- Sonographically unremarkable kidneys
- Low grade benign hepatopathy
- Mild splenomegaly exhibiting mild parenchyma heterogeneity-subjectively benign, hyperplasia, hematopoiesis, incidental splenitis or similar with infiltrative neoplasia considered unlikely
- Mild to moderate gallbladder debris-not consistent with mucocele criteria

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

R. McKenzie Daniel,
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(Canine and Feline)

Some degree of splenomegaly may be owing to sedation of the patient at the time of the ultrasound.

Sonographically the bilateral adrenal glands are not consistent with adrenomegaly which may suggest Cushing's syndrome. No evidence of adrenal neoplasia was present.

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Further assessment of the PU/PD may include urine C/S, baseline UPC, leptospirosis titer/PCR, and resting cortisol level to rule out occult disease as a contributing factor.

Hepatic functionality appears to be normal given normal BUN/GLU/ALB and CHOL levels.

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Although there is no evidence of splenic infiltrative neoplastic criteria, and assuming normal clotting status/ using a 25g needle, a splenic FNA for screening cytology could be considered to ensure only benign changes are present given the breed.

REFERRING VET

Dr. LoGuidice

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>.

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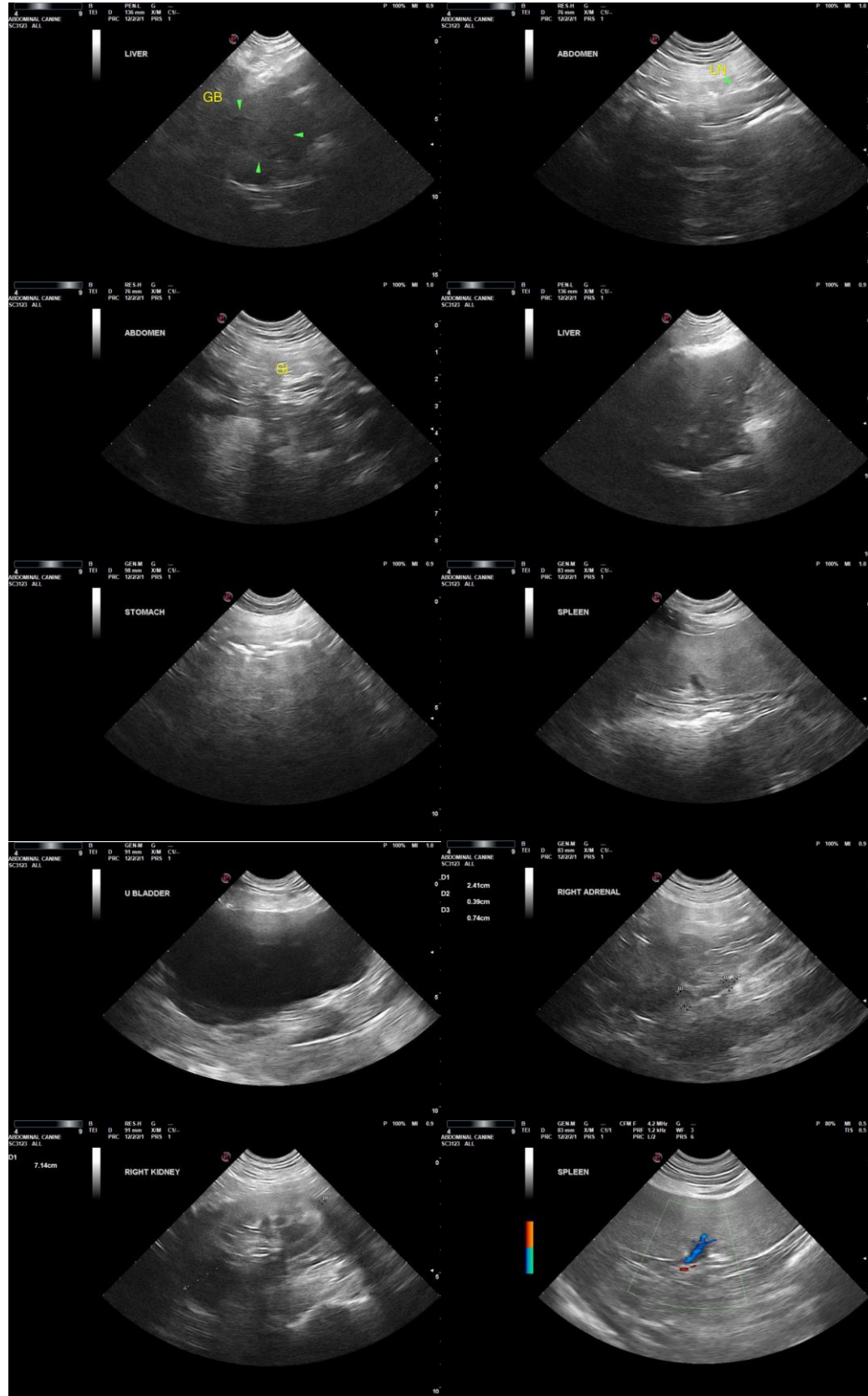
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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