



PATIENT

Miggy May Delisle

SPECIES

Canine

BREED

Havanese

SEX

Spayed female

AGE

9 years

WEIGHT

8.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Brenner

HOSPITAL NAME

Riverside Animal Clinic

REFERRING VET

Dr. Brenner

INVOICE

32252

DATE

8/9/22

PRESENTING CLINICAL SIGNS

History: June 13, 2022 acute onset PUPD. Modified water deprivation test 24 hours later USG 1.002 and lost 8% body weight and dehydrated. Used Trazadone to help with water seeking anxiety at night and helped. June 29, 2022 Started Vetoryl 5mg 1 SID. Less PD since starting Vetoryl! July 18, 2022 increased Vetoryl 5mg 1 BID.

Abnormal PE/Chem/CBC/UA Results: June 13, 2022 CBC mild Neutrophilia 13 (2.95-11.64). Chem increased ALT 191 (10-125), ALKO 931 (23-212), GGT 17 (0-11), low TT4 0.6 (1-4). June 20, 2022 Urine cortisol:creatinine ratio elevated >383 (<=34). June 23, 2022 low dose Dex suppression supportive Hyperadrenocorticism, baseline 298 (15-110), 6 hr post 189 (0-30), 8 hr post 267 (0-30). July 15, 2022 baseline cortisol post 5mg Vetoryl 135 (15-110). Liver values increased ALT 1818 (10-125), ALKP 4366 (23-212), GGT 192 (0-11). August 9, 2022 ALT and AST normal. ALKP and GGT back to original elevation of ALKP 933 and GGT 20.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. Slight pinpoint mineralization was noted. The right kidney measured 3.48 cm. The left kidney measured 3.52 cm.

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 1.74 x 0.68 cm at the cranial pole and 0.53 cm at the caudal pole.

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.

Liver

The **liver** revealed slight coarse architecture, yet was normal in size and contour. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably



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thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and 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.

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Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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ULTRASONOGRAPHIC FINDINGS

WEIGHT

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Structurally unremarkable abdomen.

Benign hepatopathy.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The adrenal glands appear structurally normal. Reassessment of the Cushingoid status is recommended in this patient. Ensuring the elevated urine cortisol creatinine ratio as well as positive LDDST as only a small percentage of PDH patients have normal adrenal size.

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Internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

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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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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