



PATIENT

Shelby Binder

SPECIES

Canine

BREED

Labrador Mix

SEX

Spayed female

AGE

1/7/15

WEIGHT

42.8 kbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Tudini

HOSPITAL NAME

East Aurora VH

REFERRING VET

Dr. Tudini

INVOICE

42656

DATE

2/8/23

PRESENTING CLINICAL SIGNS

History: Owner reports that patient seems tender in abdomen and will yelp sometimes when touched. She used to jump up on people but hasn't been doing that lately. Eating /drinking ok but had stopped eating for a period - is on Rx diet for bladder stones (Royal canin SO) but wasn't eating it well. Since o got a new puppy she has been eating better. No pu/pd no c/s/v/d . No meds currently - was on Denamarin on early 2022 following prior elevations of ALKP (GGT/ALT/AST all WNL) but was told to discontinue by prior DVM.

Abnormal PE/Chem/CBC/UA Results: P/e: Exam unremarkable other than patient tenses during deep palpation of mid abdomen and jumps/guards abdomen if you approach her too quickly for palpation. Biochem: Cholesterol 535 (131 - 345) mg/dL H Amylase 1,704 (337 - 1,469) U/L H Lipase 345 (0 - 250) U/L ALP 751 (5 - 160) U/L Albumin 2.6 (2.7 - 3.9) g/dL IDEXX SDMA 16 (0 - 14) µg/dL - CBC/T4 WNL

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 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Both kidneys measured 6.0 cm.

Adrenal Glands

Both **adrenal glands** were isoechoic and flattened. Screening for Addison's is indicated in this patient given the vague clinical signs and low albumin. The left adrenal gland measured 0.4 cm. The right adrenal gland measured 0.5 cm.

Spleen

The **spleen** was mildly enlarged and uniform.

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



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Gastrointestinal

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There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

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Spayed female

AGE

ULTRASONOGRAPHIC FINDINGS

1/7/15

Structurally unremarkable abdomen with flattened adrenal glands.

WEIGHT

Minor age related pancreatic, renal and hepatic changes.

42.8 kbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

I am strongly concerned for Addison's in this patient. ACTH stimulation is indicated given the flattened adrenal glands, low albumin and unjustifiable SDMA elevation.

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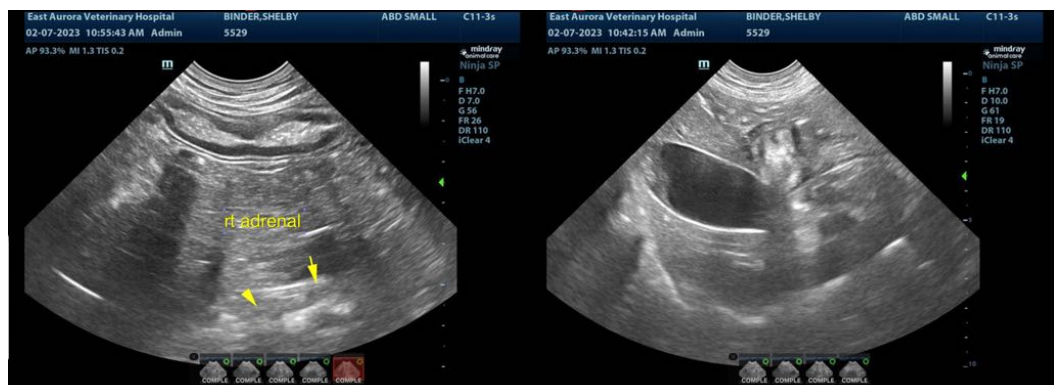
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@SonoPath.com

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