



**PATIENT**

Cooper Berthiaume

**SPECIES**

Canine

**BREED**

Australian Shepherd

**SEX**

Neutered male

**AGE**

8 years

**WEIGHT**

37 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Krell

**HOSPITAL NAME**

Paws and Prairie AC

**REFERRING VET**

Dr. Krell

**INVOICE**

95394

**DATE**

1/19/22

**PRESENTING CLINICAL SIGNS**

Routine blood work found elevated ALKP & ALT in May 2020. AUS completed in June and submitted for consult to SonoPath. Liver values have continuously fluctuated but never stayed normal. Values in December revealed increases again. Overall he is clinically normal other than his behavioral disorder/anxiety. E/D, no V/D/C/S. Taking Fluoxetine 20mg BID (anxiety/aggression), supplementing VetriLiver Chews & Dasuquin. Starting to notice pain associated after impact activities/extended activities. Carprofen used approx. 1-2x/week. Last two doses did not help with pain in FL leg. Added 200mg Gabapentin & it helped. Gabapentin also helps for occasional "bad mental" days where he can't seem to settle and cope with the day.

Abnormal PE/Chem/CBC/UA Results: Cooper is BAR and overall normal on exam. Aspirates today are pending. May 2020 - ALT 439, ALKP 236 June 2020 - ALT 474, ALKP200 (normal) Sept 2020 - Chol >450, TT4 normal, ALT 510, ALKP 209. Jan 2021 - ALT 331, ALKP 135 Dec 2021 - ALT 623, AST 154, ALKP 334. Coags normal, 4Dx - neg all.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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. The left kidney measured 5.47 cm. The right kidney measured 5.45 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 2.09 x 0.42 cm at the cranial pole and 0.46 cm at the caudal pole. The right adrenal gland measured 2.14 x 0.7 cm.

**Spleen**

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself cranially. This is a positional variant and is not pathological. There was no evidence of significant disease.

**Liver**

The **liver** revealed slight coarse architecture with normal size and contour. The gallbladder and common bile duct were normal.



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**Gastrointestinal**

Cooper Berthiaume

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. There was retention of ingesta in the stomach. 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**

Australian Shepherd

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.

**SEX**

Neutered male

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

Structurally unremarkable abdomen likely reactive hepatopathy or benign hepatopathy.

8 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

Management should be based on FNA results.

37 lbs

**INTERPRETED BY**

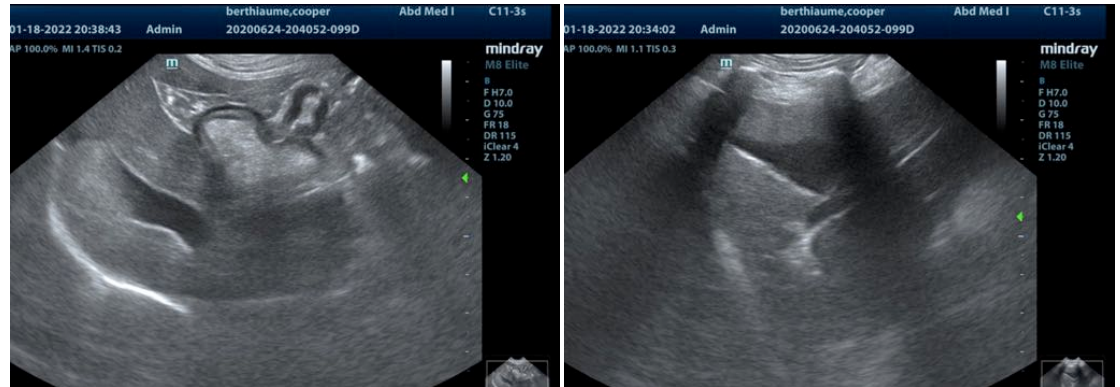
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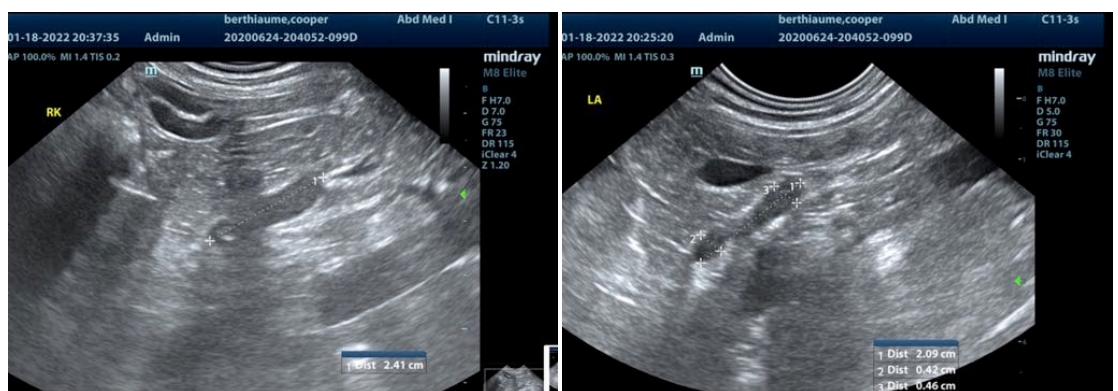
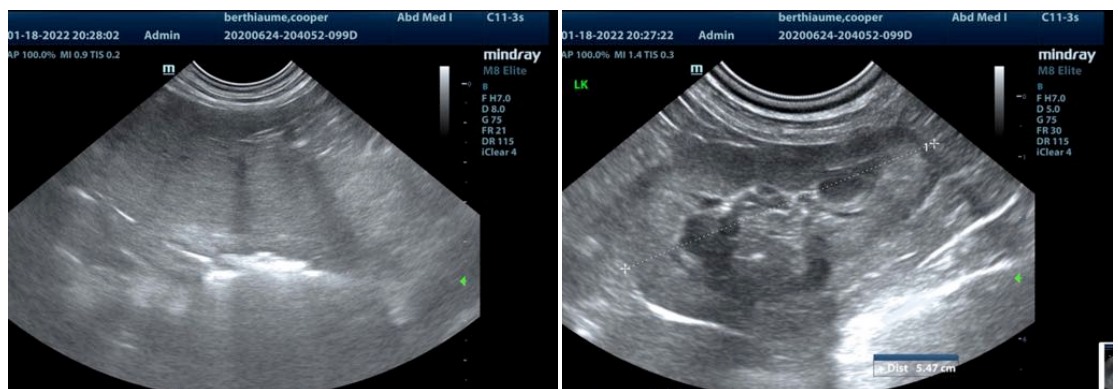
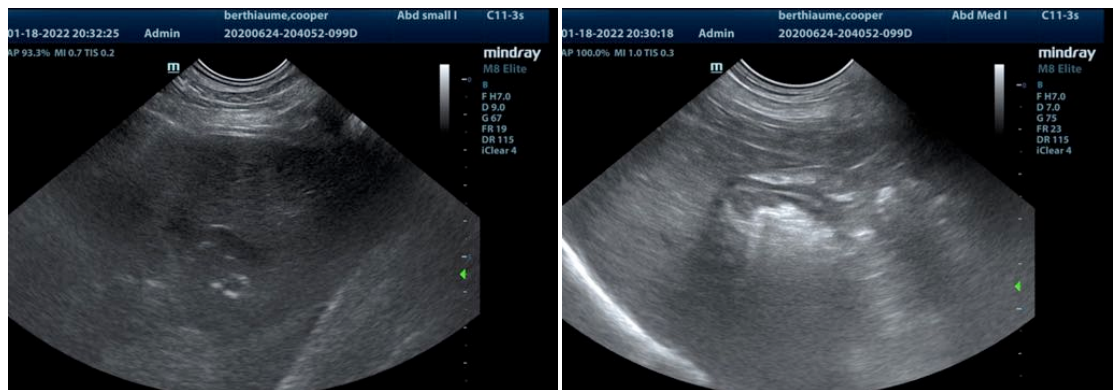
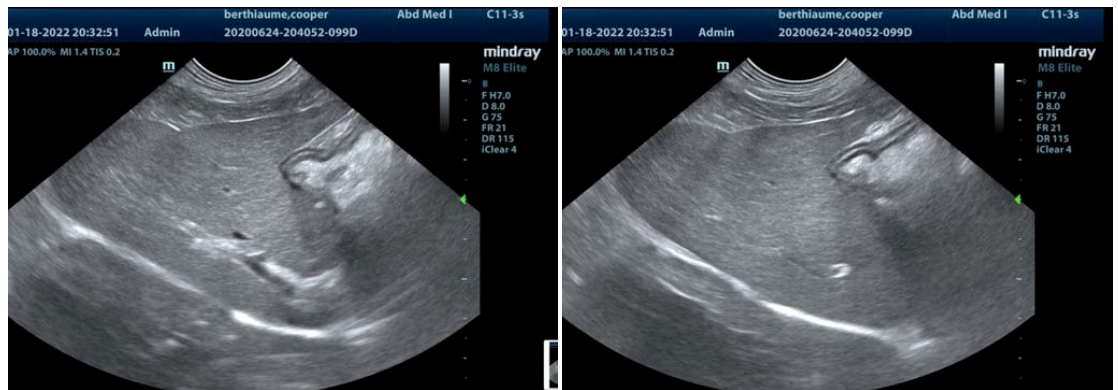
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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