



PATIENT PRESENTING CLINICAL SIGNS

Levi Bering Has lost about 11lbs. Tense on abdominal palpation. Pale gums, normal hydration. Has not been eating which is unusual and owner reports watery diarrhea.

SPECIES Abnormal PE/Chem/CBC/UA Results: No clumped platelets noted. Platelets appear moderately decreased (50 - 100 x10E9/L). Results verified by repeat analysis. CBC Comment Polychromasia (1-3 /100X) WBC Morphology Normal Stress/Shift platelets present. Biochem IDEXX SDMA 17 0 - 14 µg/dL H Total Protein 41 55 - 75 g/L L Albumin 18 27 - 39 g/L L Globulin 23 24 - 40 g/L L Spec cPL <30 0 - 200 µg/L N UA Specific Gravity 1.012 pH 6.5 White Blood Cells 0-2 /HPF Red Blood Cells 0-2 /HPF Bacteria None Seen Epithelial Cells 1+ Transitional epithelial cells (1-2 /HPF) 4DX neg Fecal O&P Neg ACTH Stim normal Cortisol - Baseline 35 28 - 120 nmol/L Cortisol - Post ACTH 261 220 - 550 nmol/L RBC 3.9 5.4 - 8.7 x10^12/L L Hematocrit 0.29 0.38 - 0.57 L/L L Hemoglobin 98 134 - 207 g/L L Reticulocyte Hemoglobin 20.6 24.5 - 31.8 pg L Lymphocytes 0.5 1.1 - 5.0 x10^9/L L Eosinophils 1.7 0.0 - 1.5 x10^9/L H Platelets 95 143 - 448 x10^9/L L Platelet Comments Results indicate a platelet estimate from the smear.

BREED

Golden Retriever

SEX

MN

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

AGE

8yr

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

WEIGHT

32.5kg

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 6.8 cm in length. The right kidney measured 6.2 cm in length.

INTERPRETED BY

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

The area of the aortic trifurcation was free of pathology.

IMAGING PERFORMED BY

Crystal Hill

The area of the residual prostate was free of pathology.

Adrenal Glands

HOSPITAL NAME

Chippawa Animal
Hospital

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.59 cm width at the caudal pole and 2.5 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.60 cm width at the caudal pole and 2.0 cm length.

REFERRING VET

Dr. Dowell

Spleen

The spleen exhibited generalized enlargement, areas of rounded asymmetrical contour with non-homogeneous to mixed echogenic discretely nodule parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The mid to cranial spleen measured ~ 5.5 - 6 cm in width.

INVOICE

11403ag

Liver

The liver was subjectively enlarged in size with areas of capsule asymmetry and non-homogenous to echogenic parenchyma with a moderate coarse echotexture. Intermittent discrete to indistinct areas of hypoechoic parenchyma to nodules were present. The hepatic and portal vasculature were normal in appearance without signs of congestion.

DATE

08/18/2022



PATIENT The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Levi Bering

Gastrointestinal

SPECIES The stomach presented intact yet mildly prominent to mild thickened wall layering in the area of the antrum and pylorus. The pylorus wall measured 0.85 cm in width. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

Canine

BREED The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Minor segmental duodenojejunal ileus was present. The lumen of the small intestine was empty with no signs of obstruction or foreign material. The duodenum measured 0.43 cm in width. The jejunum wall measured 0.38 cm in width.

Golden Retriever

SEX Normal visible colon wall layers were present with mild generalized colon distention with apparent non-formed liquid feces in lumen.

MN

Pancreas

AGE 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.

8yr

Free Abdomen

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

32.5kg

ULTRASONOGRAPHIC FINDINGS

- Hepatosplenomegaly exhibiting non-homogeneous non-uniform nodular parenchyma
- Gastroenterocolitis pattern

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The splenic presentation is suggestive of infiltrative neoplasia such as lymphoma, sarcoma or other. Potential for multicentric hepatosplenic neoplasia is of primary concern. Assuming normal clotting status and using a 25g needle a hepatosplenic FNA is recommended for screening cytology and potential for oncology consult. Early intestinal involvement if neoplastic process is confirmed although not definitive cannot be excluded. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended to assess for occult GI disease as a contributing factor.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Chippawa Animal
Hospital

Three view chest radiographs suggested if not done to assess for thoracic pathology.

A very guarded prognosis pending hepatosplenic sampling.

REFERRING VET

Dr. Dowell

INVOICE

11403ag

DATE

08/18/2022



PATIENT

Levi Bering

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

8yr

WEIGHT

32.5kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Chippawa Animal
Hospital

REFERRING VET

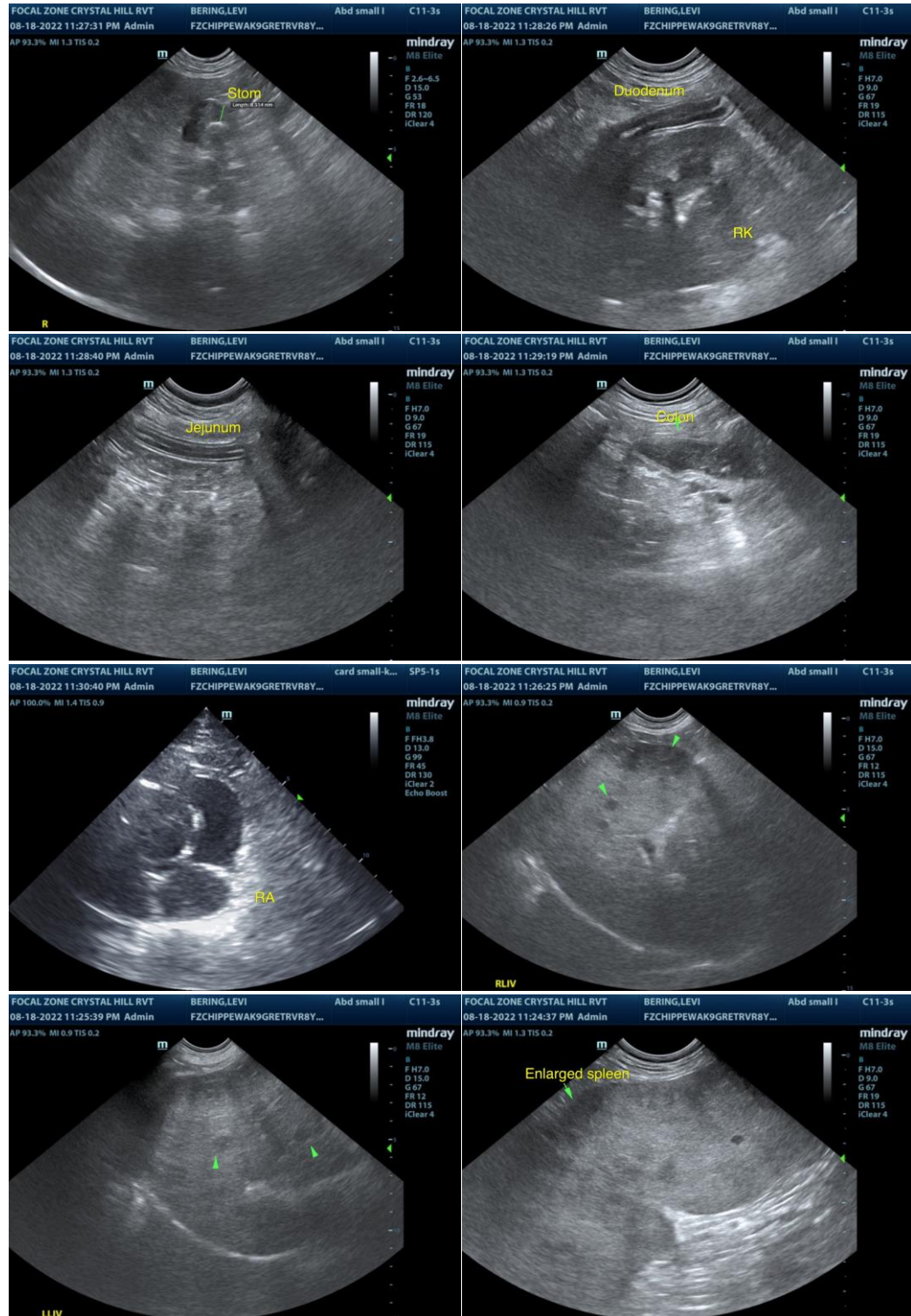
Dr. Dowell

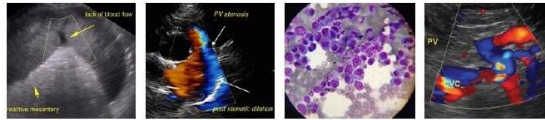
INVOICE

11403ag

DATE

08/18/2022





PATIENT

Levi Bering

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

8yr

WEIGHT

32.5kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Chippawa Animal
Hospital

REFERRING VET

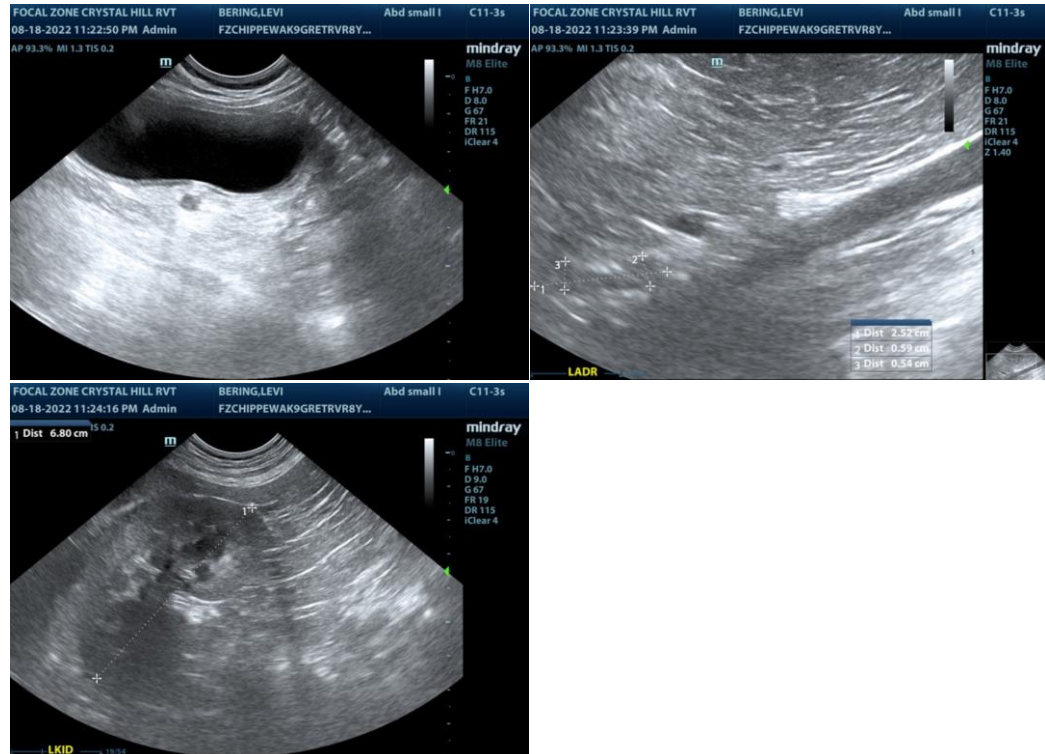
Dr. Dowell

INVOICE

11403ag

DATE

08/18/2022



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com