



PATIENT

Gorham Cohen

SPECIES

Canine

BREED

Labrador Retriever

SEX

Intact Male

AGE

13 Years

WEIGHT

83 pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

HOSPITAL NAME

Norfolk Cpunty
Veterinary Services

REFERRING VET

Dr. Emily McCabe
DVM

INVOICE

15020

DATE

04/11/26

PRESENTING CLINICAL SIGNS

Less enthusiasm eating x one-month, intermittent vomiting x one week. On PE: slight increase in respiratory rate/effort, sensitive to abdominal palpation, 8 pound weight gain. CBC: HG 13.9, neut 10.7, mono 1.4. Chem: SDMA 16, TP 5.6, Alb 2.6, ALT 172, lipase 444, Spec cPL 493

*Sedated with butorphanol and Dexdomitor for study

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with mild dependent lumen mineral. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic change were noted.

The prostate was mildly enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.2 cm in diameter.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Areas of medullary mineral were present. The left kidney measured 7.3 cm in length. The right kidney measured 6.9 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.65 cm width at the caudal pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured – cm width at the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

Liver & Gallbladder

The liver was subjectively adequate in size, structure, and symmetrical contour. The liver parenchyma was mild / moderate nonuniform and hypoechoic to the spleen with a mild/ moderate coarse echotexture and subjective mild parenchymal remodeling. 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. The cystic and common bile ducts were normal.



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Gastrointestinal

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 borderline prominent wall layering exhibiting propensity for mildly prominent jejunal submucosa layer. The duodenum wall measured 0.55 cm wall width. The jejunum wall measured 0.51 cm wall width.

Normal visible colon wall layers were present with formed fecal matter.

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

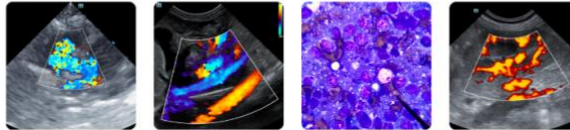
Intermittent mesenteric and medial iliac lymph nodes were present. These lymph nodes were homogenous, mildly hypoechoic and smoothly marginated. A normal width: length ratio was maintained (<0.5). Mild perilymphatic hyperechoic omentum. An example of lymph node size was 3.4 cm x 0.96 cm. No evidence of peritoneal effusion.

ULTRASONOGRAPHIC FINDINGS

- Normal volume liver with mild parenchymal remodeling- consistent with mild benign hepatopathy.
- Heterogeneous pancreas.
- Empty stomach .
- Intact borderline prominent small intestine wall.
- Intermittent mild mesenteric and medial iliac lymphadenopathy- suggestive of benign criteria i.e. reactive hyperplasia or possible lymphadenitis.
- Bilateral chronic renal changes exhibiting mild medullary mineral.
- Mild urinary bladder lumen mineral.
- Mild benign prostatic hyperplasia pattern.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assessment for evidence of cranial abdomen/subxiphoid discomfort on palpation which may allude to chronic pancreatitis is recommended. A full GI panel to include PLI, TLI, cobalamin and folate may be considered. No overt neoplastic criteria. Empirical therapy for potential chronic pancreatitis with concurrent gastrointestinal support which may include dietary trial and as needed gastroprotectants may prove beneficial. Although no evidence of hepatic vascular anomaly, bile acid profile may be considered given renal and urinary bladder mineral or if evidence of hepatic dysfunction. Recheck sonogram is indicated if continued or progressive gastrointestinal signs.



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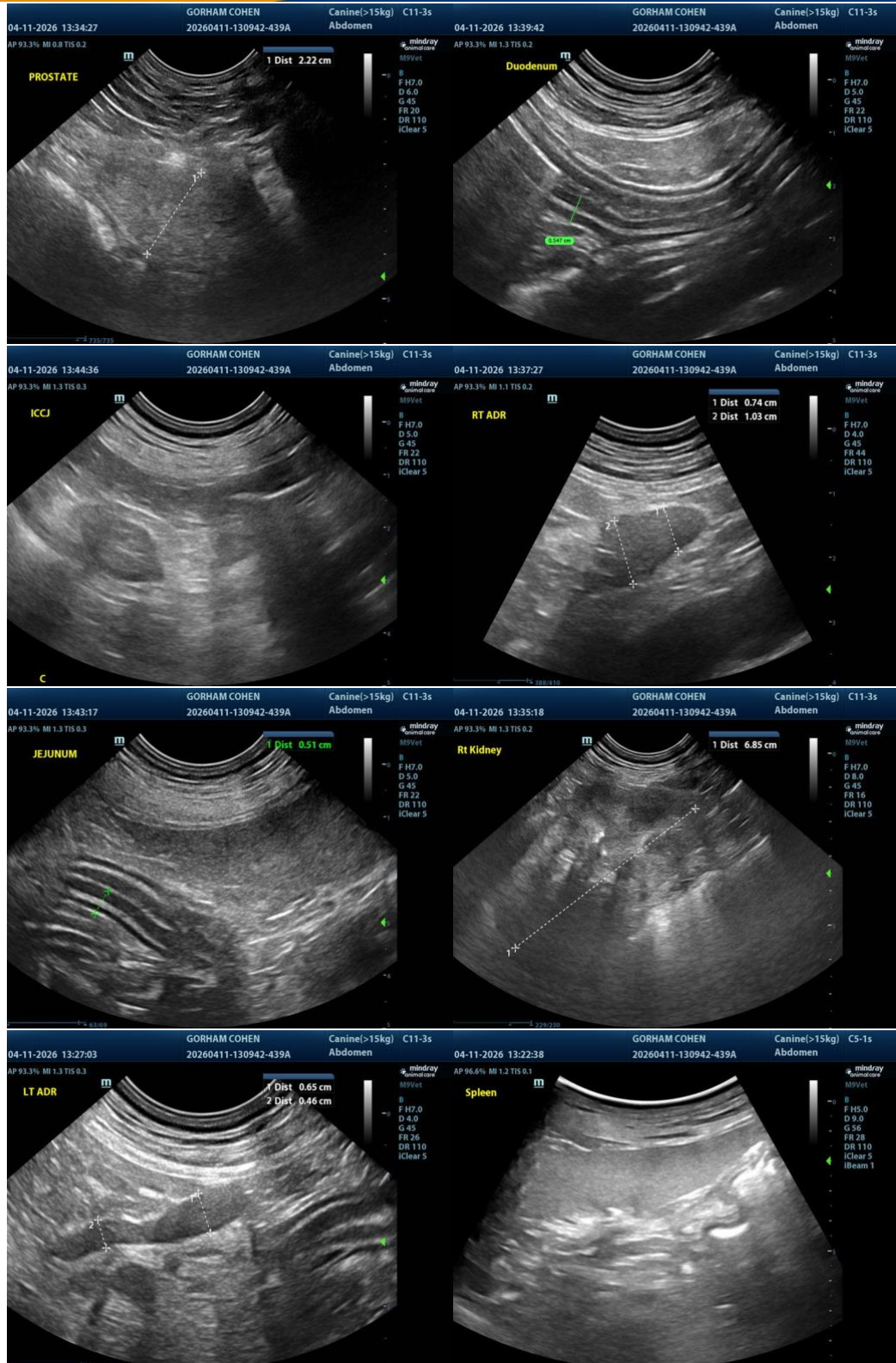
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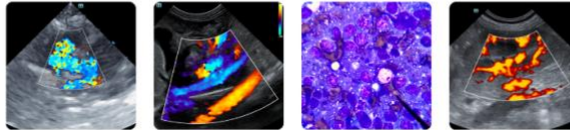
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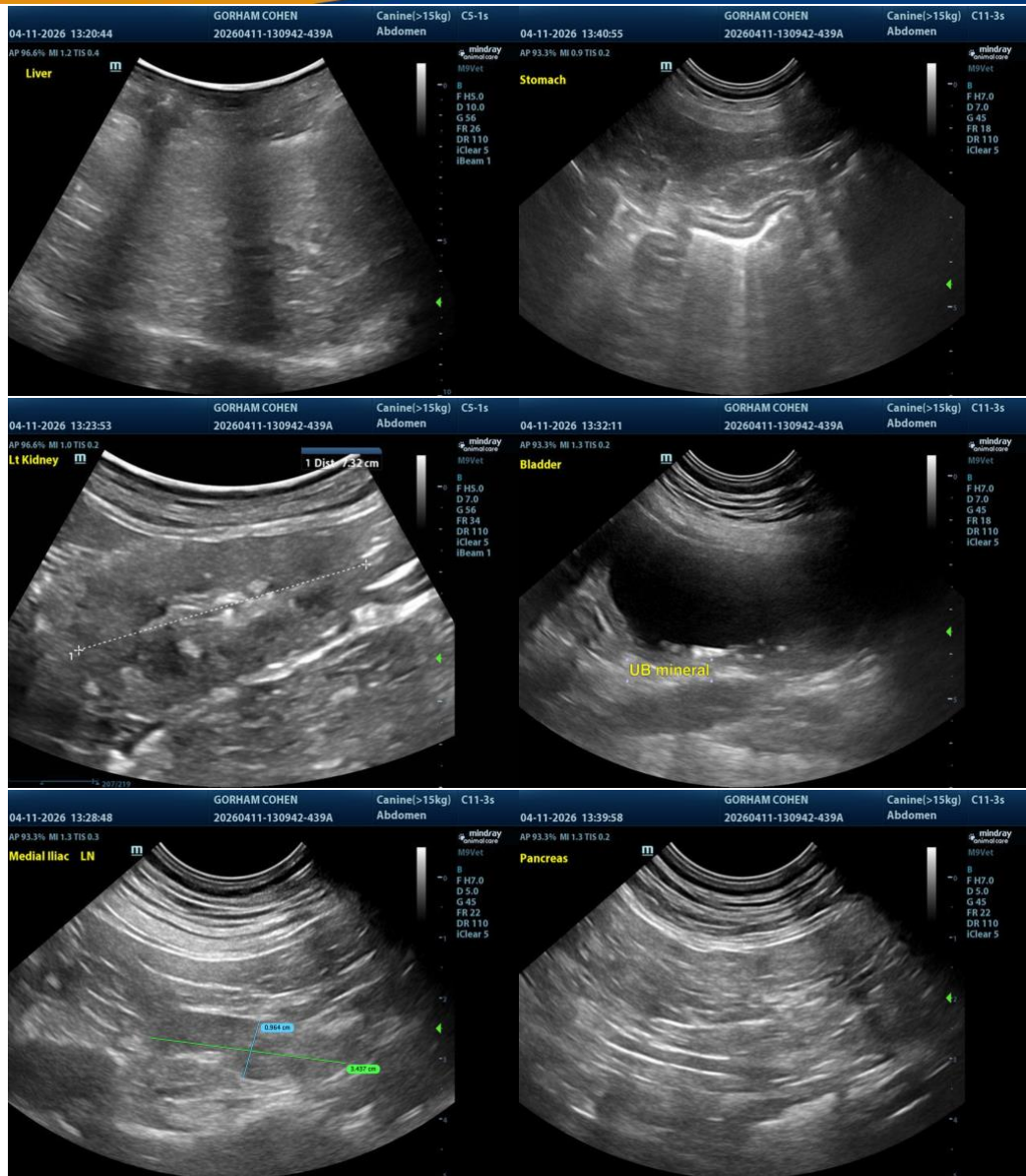
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

info@SonoPath.com