

PATIENT

Koie Patrick

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

12 Years

WEIGHT

83.0

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Aaron Lucas DVM,
PhD

HOSPITAL NAME

Taylorville Veterinary
Clinic

REFERRING VET

Dr. Aaron Lucas DVM,
PhD

INVOICE

14020

DATE

03/02/26

PRESENTING CLINICAL SIGNS

- Decreased appetite of 72 hours duration
- Pain upon cranial abdominal palpation
- Gagging, but no vomiting noted
- Soft stool to diarrhea

Abnormal PE/Chem/CBC/UA Results: Degenerative left shift noted on CBC on 12/27/26 (WBC - 2.99, Neutrophil count 1.05 consisting of 300 bands and 700 segmented neutrophils on blood film) Chem - Mild elevation in BUN (35) with normal Creatinine and SDMA USG - 1.010 WBC has rebounded following symptomatic treatment with IVF and broad spectrum antibiotics (Ampicillin and Enrofloxacin) WBC - 3.94 on 12/28 (fewer bands) and 4.0 with no bands today. Patient still has marked decreased appetite.

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 no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic change were noted.

The area of the aortic trifurcation was free of pathology.

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 loss of corticomedullary symmetry and definition expected for the age of the patient. Mild medullary mineral was present. The left kidney measured 6.7 cm in length. The right kidney measured 7.2 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 0.74 cm width at the caudal pole.

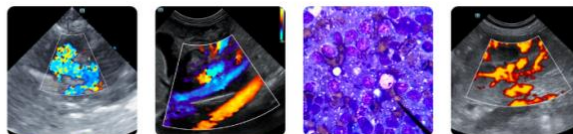
The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.73 cm width at the caudal pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver & Gallbladder

The liver presented mild enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in



PATIENT

Koie Patrick

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

12 Years

WEIGHT

83.0

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Aaron Lucas DVM,
PhD

HOSPITAL NAME

Taylorville Veterinary
Clinic

REFERRING VET

Dr. Aaron Lucas DVM,
PhD

INVOICE

14020

DATE

03/02/26

margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. A solitary subtle hyperechoic cranioventral liver nodule was present measuring 3.0 cm in diameter.

The gallbladder was non distended in size with mild nonorganized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

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 wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The area of the pancreas was sonographically normal.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Mild chronic renal changes with mild medullary mineral.
- Hepatomegaly with subtle to indistinct intraparenchymal nodule.
- Nonorganized gallbladder debris (non-mucocele).
- Sonographically normal gastrointestinal tract.
- Normal area of the pancreas.
- Normal spleen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of significant visceral pathology as a definitive cause of the patient's clinical signs and CBC abnormalities. No evidence of abdominal tumors, peritonitis, pancreatitis, or mechanical/metabolic gastrointestinal ileus. The hepatomegaly and subtle liver nodule are nonspecific with benign criteria favored i.e. vacuolar or reactive hepatic changes, potential inflammation, subtle area of nodular hyperplasia, lipogranuloma, or other with occult hepatic neoplasia thought less likely.

Hepatic FNA cytology (assuming normal clotting status and using 25-gauge needle? could be considered for further clarification. Hepatosupportive medications, if evidence of hepatopathy or cholestasis going forward with sonographic monitoring of the liver and gallbladder would be more conservative. A GI panel to include PLI, TLI, cobalamin and folate to assess for non-obvious intestinal or pancreatic disease, three view chest radiographs, musculoskeletal examination, and CBC pathology review may be considered. Gastrointestinal support is indicated with clinical monitoring.



PATIENT

Koie Patrick

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

12 Years

WEIGHT

83.0

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Aaron Lucas DVM,
PhD

HOSPITAL NAME

Taylorville Veterinary
Clinic

REFERRING VET

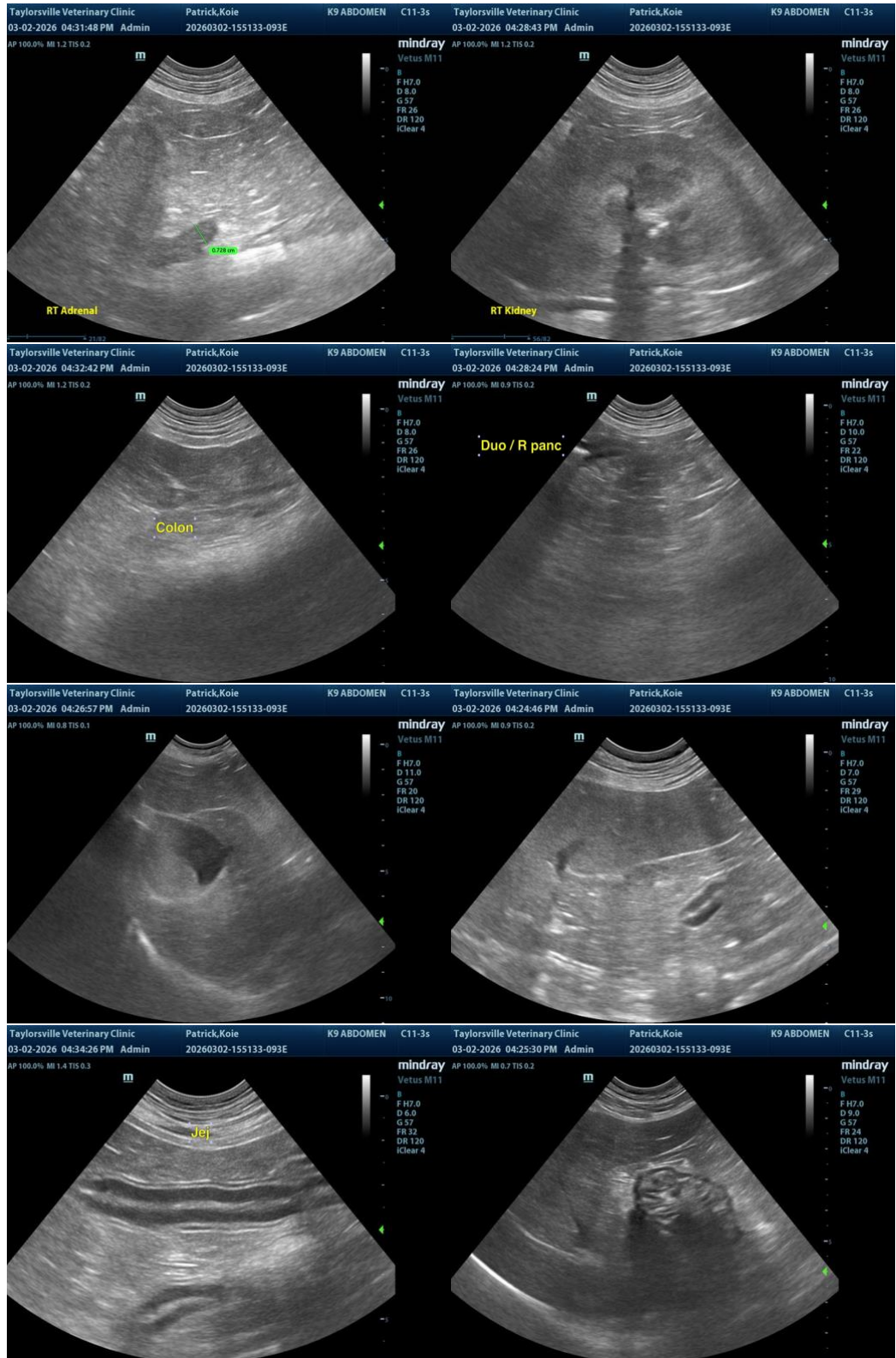
Dr. Aaron Lucas DVM,
PhD

INVOICE

14020

DATE

03/02/26





PATIENT

Koie Patrick

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

12 Years

WEIGHT

83.0

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Aaron Lucas DVM, PhD

HOSPITAL NAME

Taylorville Veterinary Clinic

REFERRING VET

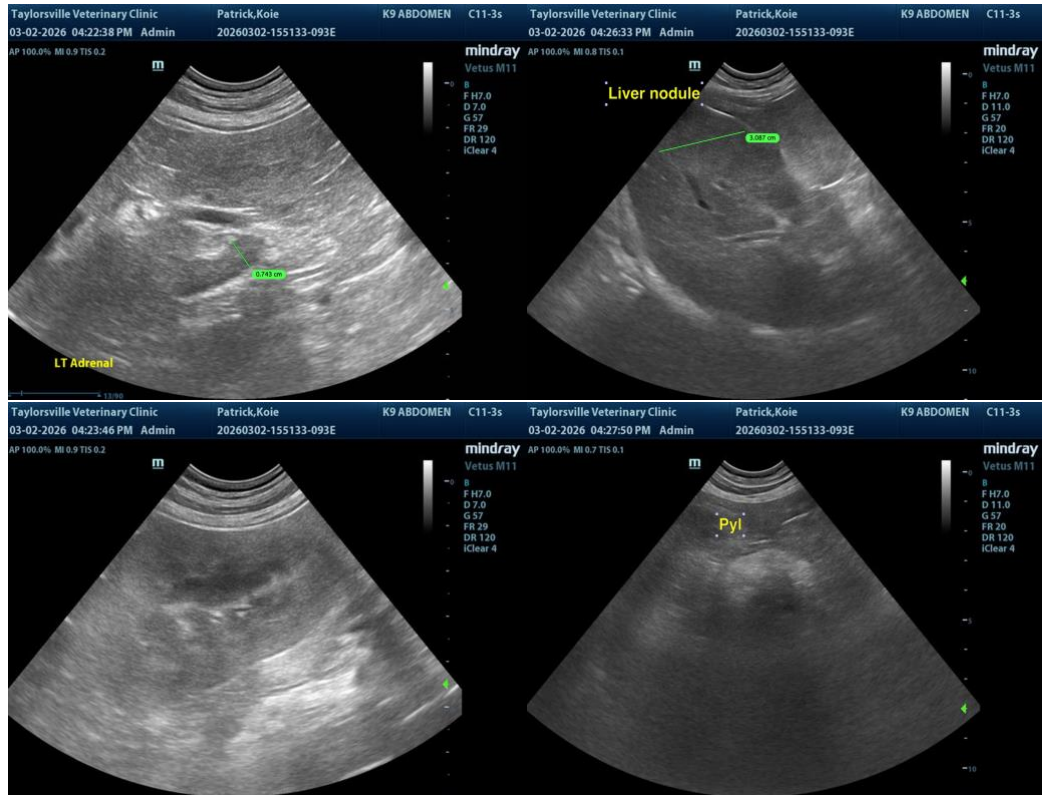
Dr. Aaron Lucas DVM, PhD

INVOICE

14020

DATE

03/02/26



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