



PATIENT

Leo McJunkin

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

11 years

WEIGHT

30 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield DVM

HOSPITAL NAME

East Bend Animal
Hospital

REFERRING VET

Jamie Thurk DVM

INVOICE

15331

DATE

11/2/22

PRESENTING CLINICAL SIGNS

Chronic diarrhea (profuse) with intermittent vomiting and profound hyporexia x 4-6 weeks. Current Tx: -Cerenia 160mg-1/2 tab - Metronidazole 500mg- 1 tab PO BID -Amoxi/Clav 875mg- 1/2 tab PO BID - Galliprant 100mg- 3/4 PO SID - Gabapentin 300mg- 2 caps BID 1 capsules -Thyroid 0.8mg- 1 tab SID 1/2 tab am -Proviale- 1 caps Sid Dasuquin- 2 chews SID (hasn't been getting currently) -Adequan- 1.5ml twice monthly

Abnormal PE/Chem/CBC/UA Results: PE: geriatric changes OU, mild dental tartar, non-painful abdomen, profuse, brown diarrhea, lethargy, OA of hips Blood work (10/31): - CBC & CHEM: unremarkable Canine Diarrhea Panel: pending

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 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 was noted.

The residual prostate was free of pathology.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were 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. No evidence of pelvic dilation was present. The left kidney measured 7.7 cm in length. The right kidney measured 7.4 cm in length.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.9 cm length x 0.75 cm width at the caudal pole. The right adrenal gland measured 3.0 cm length x 0.96 cm width at the caudal pole. No evidence of adrenal tumors.

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 exhibited potential borderline enlargement, although not definitive, with normal structure and contour. No masses or nodules were noted. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without



PATIENT

Leo McJunkin

signs of congestion. The gallbladder was non-distended in size containing mild, nondependent, echogenic, nonorganized gallbladder debris. The cystic and common bile ducts were normal.

SPECIES

Canine

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.

BREED

Golden Retriever

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.

SEX

MN

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

AGE

11 years

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.

WEIGHT

30 kg

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

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

- Hepatic parenchymal remodeling - subjectively benign
- Mild gallbladder debris (non-mucocele)
- Sonographically unremarkable gastrointestinal tract / colon
- Mild heterogeneous pancreas - suspect age-related pancreatic changes and incidental, potential for minor remodeling owing to previous inflammatory episode or low-grade to chronic pancreatitis
- Mild age-related renal changes

IMAGING PERFORMED BY

Patti Mayfield DVM

HOSPITAL NAME

East Bend Animal
Hospital

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely geriatric abdomen without evidence of significant visceral, specifically gastroenterocolic or pancreatic pathology.

REFERRING VET

Jamie Thurk DVM

At times, the gastroenterocolic sonographic presentation may not correlate with chronic to current gastrointestinal signs. Potential considerations in this case may include; dietary intolerance / food allergy, dysbiosis, occult parasitism, occult Addison's Disease (considered less likely given the normal sonographic presentation), IBD, low-grade to chronic pancreatitis, both of which may present as sonographically normal, or less likely infiltrative neoplasia. Correlation with a GI panel to include PLI/TLI/Cobalamin/Folate, resting cortisol level, and pending diarrhea panel is recommended. Three-view chest radiographs are suggested to rule out occult thoracic pathology as a contributing factor especially if evidence of weight loss.

INVOICE

15331

DATE

11/2/22

Empirically, a limited antigen or hydrolyzed diet trial with potential long term dietary therapy, prophylactic deworming (Panacur 50 mg/kg SID x 5 consecutive days with repeat protocol in 3 weeks even if fecal testing is negative), high colony count probiotic (Proviale or Visbiome) +/- antibiotic



PATIENT

Leo McJunkin

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

11 years

WEIGHT

30 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield DVM

HOSPITAL NAME

East Bend Animal
Hospital

REFERRING VET

Jamie Thurk DVM

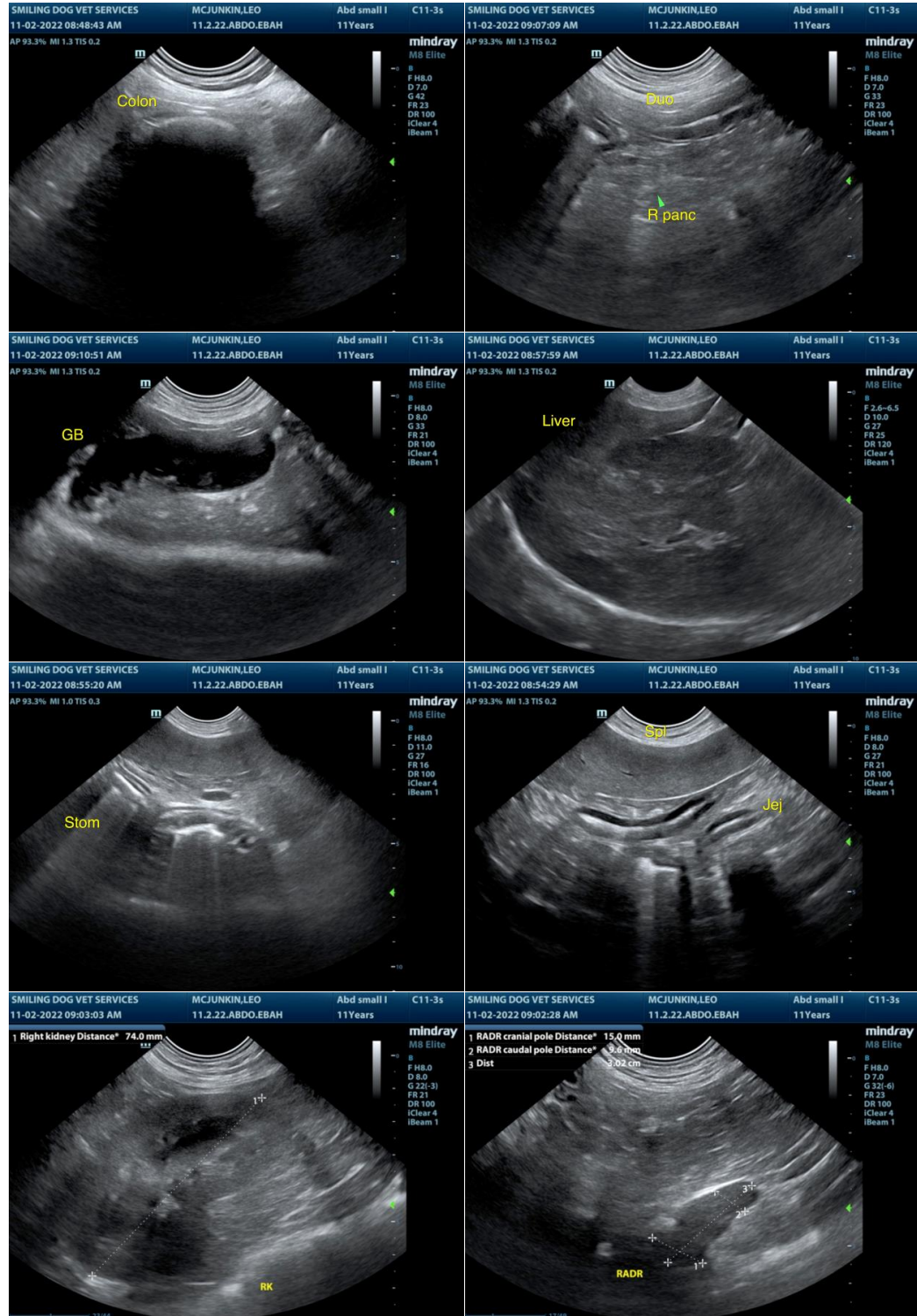
INVOICE

15331

DATE

11/2/22

trial or cobalamin supplementation if clinically indicated, and as needed gastrointestinal support with assessment of clinical response would be reasonable.





PATIENT

Leo McJunkin

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

11 years

WEIGHT

30 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield DVM

HOSPITAL NAME

East Bend Animal
Hospital

REFERRING VET

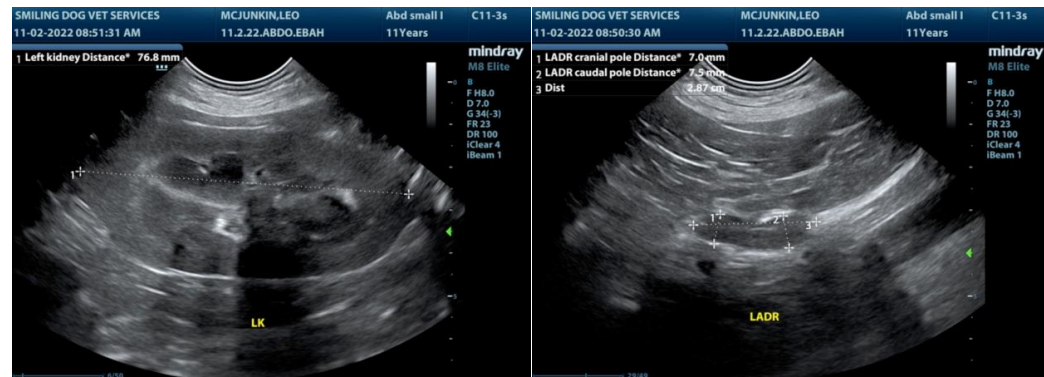
Jamie Thurk DVM

INVOICE

15331

DATE

11/2/22



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