



PATIENT

Harley Lang

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

13 years

WEIGHT

57 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rupley

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

Dr. Rupley

INVOICE

73542

DATE

3/18/26

PRESENTING CLINICAL SIGNS

- Hyporhexia and chronic weight loss. Appetite has decreased to minimal.
- History:
 1. Glaucoma/bilateral enucleation
 2. mitral valve thickened vegetative echo 9/10/25
 3. MRI and CT 10/3/2025 Conclusions:
 - a. L7-S1 intervertebral disc protrusion with suspected mild compression cauda equina and left foraminal stenosis
 - b. Multifocal chronic thoracolumbar disc degeneration and noncompressive
 - c. Hypointense splenic nodules
 - d. Mild bilateral sacroiliac and minimal hip osteoarthritis.
 - e. Mild internal iliac lymphadenopathy
 4. Microscopic hematuria - cystoscopy neg
 5. CKD 1/4
 6. Bilateral enucleation secondary to glaucoma
 7. Chronic hind limb weakness with loss of proprioception
 8. Atopic dermatitis
 9. Hypothyroidism
 10. Cholecystitis-under treatment
- MEDS: Gabapentin, Provable, Immunotherapy, Tramadol, Prednisone, Amantidine (discontinued 2 d ago), Maropitant, Entyce, cobalamin inj, Adequan, Cytopoint, Librela.
- EXAM b/s 2/9. No apparent pain on abdominal palpation. No mass palpated, however mass is visible on lateral abdominal rads (sent for reference). Normothermic. Spinal pain. Lacks proprioception. Muscle atrophy in rear limbs.
- LABS: The cPLI is elevated at 799.9. No significant abnormality on electrolyte panel. Chemistry panel revealed elevated ALT at 166, lipase at 351, triglycerides at 117.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. 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 7.63 cm and the right kidney measured 8.66 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 0.71 cm. The right adrenal gland measured 0.76 cm.



PATIENT

Harley Lang

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

13 years

WEIGHT

57 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rupley

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

Dr. Rupley

INVOICE

73542

DATE

3/18/26

Spleen

The **spleen** revealed a hypoechoic nodule at the mid cranial body measuring 0.55 x 0.8 cm.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. A hypoechoic liver nodule was noted in the caudal aspect of the left liver measuring 1.44 cm. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

Gastrointestinal

Concentric **gastric** wall thickening was noted without loss of mural detail. Hyperechoic changes were noted in the mucosa. This is suggestive for ulcerative disease. Gastric wall thickness measured 1.5 cm. The small intestines and colon were unremarkable with normal curvilinear mural patterns and content.

Pancreas

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.

ULTRASONOGRAPHIC FINDINGS

Chronic gastritis, minor potential for gastric neoplasia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If NSAIDs are being utilized in this patient, then this should be stopped over the next 3-4 weeks. Endoscopy would be ideal for further definition. GI protectant protocol such as the following can be employed. 25-gauge FNA of the splenic and hepatic nodules would be indicated for further definition. A recheck sonogram is recommended in 3-4 weeks of the splenic and hepatic nodules as well as the gastric presentation.

Helicobacter/Gastritis protocol

A clinical trial of **Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment)**, **Metronidazole (10-20 mg/kg p.o. b.i.d.)**, **Pepcid (0.5-1 mg/kg s.i.d.)** and **Sucralfate (0.5-2 g/dog PO)** or **Omeprazole (1 mg/kg p.o. s.i.d.)** over the next 3 weeks along with a



PATIENT

Harley Lang

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

13 years

WEIGHT

57 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rupley

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

Dr. Rupley

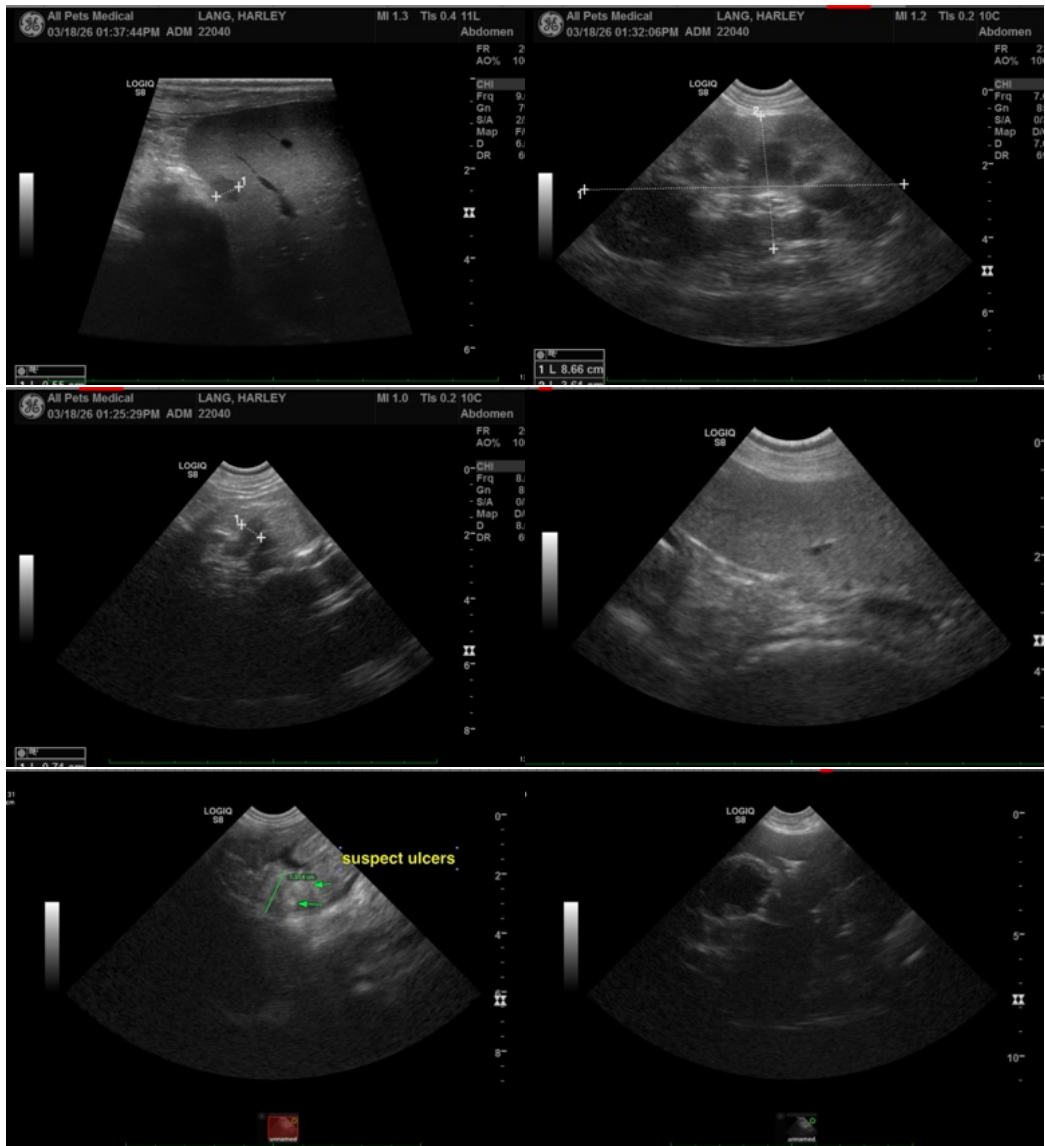
INVOICE

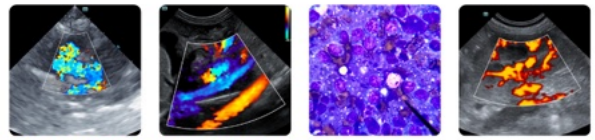
73542

DATE

3/18/26

novel-protein or hydrolyzed diet with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.





PATIENT

Harley Lang

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

13 years

WEIGHT

57 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rupley

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

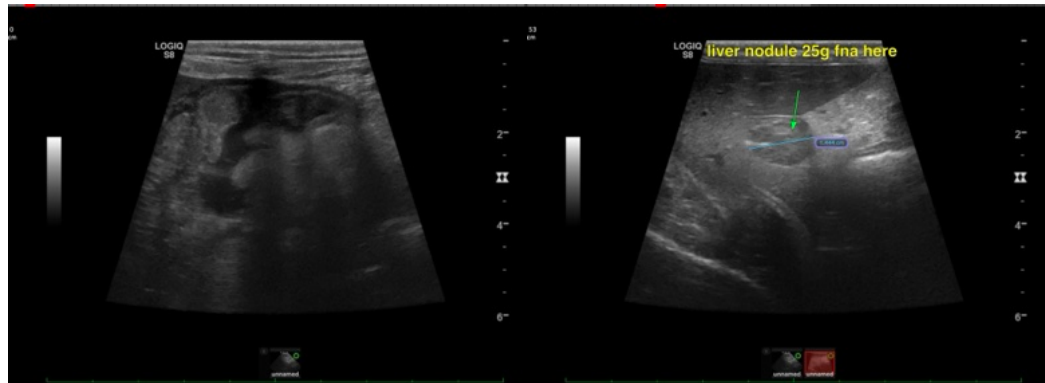
Dr. Rupley

INVOICE

73542

DATE

3/18/26



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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com