



PATIENT

Zoe Thorup

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

13 Years

WEIGHT

72 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Louise Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

Dr. Louise Mandeville

INVOICE

39599

DATE

7/16/22

PRESENTING CLINICAL SIGNS

2 months duration, panting, pu/pd, polyphagia, lethargy/ADR
Abnormal PE/Chem/CBC/UA Results: Low basal cortisol 1.7 proteinuria 3+; awaiting UPC mildly elevated SDMA

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.0 cm. The right kidney measured 7.0 cm with trace pyelectasia noted.

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 0.73 cm.

The region of the **right adrenal gland** was unremarkable.

Spleen

The **spleen** is mildly enlarged, uniform. No evidence of thrombosis. Occasional hyperechoic lipogranulomatous change noted.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Hyperechoic nodular change noted, consistent with lipogranulomas. 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

Minor retention of ingesta noted in the **stomach**. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



PATIENT

Pancreas

Zoe Thorup

The **right pancreatic limb** was heterogeneous with hyperechoic surrounding fat and focal inflammation.

SPECIES

Heart

Canine

Cursory evaluation of the heart revealed normal LA/AO ratios. Contractility and chamber sizes appeared normal. No pericardial or pleural effusion. The right auricle was free of evident pathology.

BREED

PRIMARY FINDINGS

Golden Retriever

- Suspect right limb pancreatitis
- Hypersplenism

SEX

SECONDARY FINDINGS

Spayed Female

- Age related renal and hepatic changes
- Gastric ingesta

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

13 Years

No evidence of neoplasia. Deep subxiphoid palpation recommended to assess for underlying discomfort. If adrenal disease is suspected, further imaging of the right adrenal gland would be indicated. However, grossly the region of the right adrenal gland is unremarkable. The panting may be pain related.

WEIGHT

72 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Louise Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

Dr. Louise Mandeville

INVOICE

39599

DATE

7/16/22





PATIENT

Zoe Thorup

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

13 Years

WEIGHT

72 Pounds



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Louise Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

Dr. Louise Mandeville

INVOICE

39599

DATE

7/16/22

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.

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

info@SonoPath.com