



PATIENT

Nugget Cashen

SPECIES

Canine

BREED

Labrador

SEX

Spayed female

AGE

8 years

WEIGHT

65 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. Martens

INVOICE

42399

DATE

11/8/22

PRESENTING CLINICAL SIGNS

History: Elevated liver values. Vomiting, poor appetite, lethargic
Abnormal PE/Chem/CBC/UA Results: AST 133, ALT 635, ALK PHOS 281

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 was noted. Ureteral papillae were normal.

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. Minor mineralization was noted. The right kidney measured 6.0 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.

Spleen

The **spleen** was not visualized in this patient. I am presuming prior splenectomy has occurred.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder and common bile duct were unremarkable with irregular contour.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. The mesenteric lymph nodes were enlarged. The largest lymph node measured 3.0 x 2.0 cm; however, multiple lymph nodes were present in the midabdomen.



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Pancreas

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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.

BREED

Labrador

Free Abdomen

Free fluid was noted around the liver. Reactive mesentery was noted.

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

Mesenteric lymphadenopathy.

AGE

8 years

Free fluid.

Infiltrative hepatic pattern.

WEIGHT

65 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a strong concern for round cell neoplasia/lymphoma. Ultrasound-guided FNA of the mesenteric lymph nodes are recommended along with cytospin of the free fluid and liver are all indicated.

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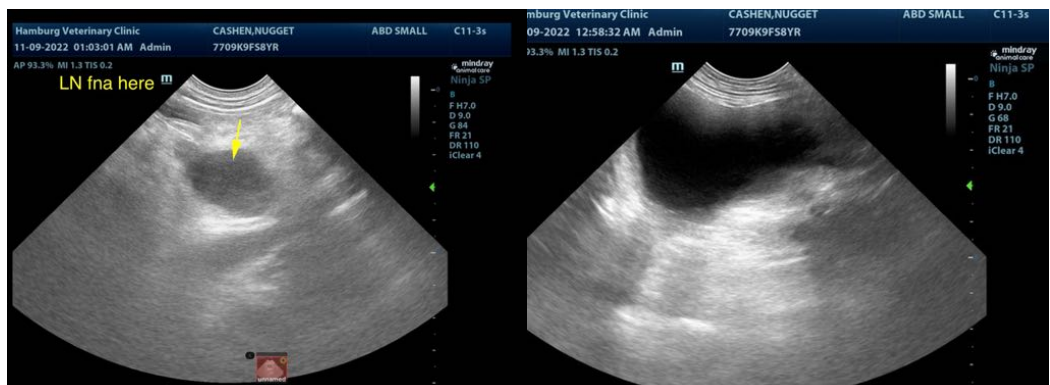
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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