



PATIENT

Ren Furedi

SPECIES

Canine

BREED

Boxer Mix

SEX

Neutered Male

AGE

11.5 Years

WEIGHT

72.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Jennifer Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Jennifer Todd

INVOICE

36402

DATE

3/27/26

PRESENTING CLINICAL SIGNS

- Ren is an eleven year old, MN, Boxer mix with a recent history of new grade II/VI heart murmur found on routine wellness exam. No symptoms are reported. Lab results show increased proBNP=3,565, normal CBC/Chemistry/T4/4dx/Fecal.
- Blood pressure was 126/66, 125/67, 124/77. No arrhythmias were seen on ECG. Echo showed, " ~5.70 cm x 4.24 cm mass at the heart base adjacent to the aortic root and both atria. There also appear to be a portion of the mass measuring ~1.92 cm x 1.71 cm within the right atrial lumen"
- Abdominal ultrasound is submitted for screening. I've included SDEP echo positions 3 and 1 short axis FYI.
- 3 view thoracic radiographs showed no evidence of metastasis

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 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 right kidney measured 7.34 cm. The left kidney measured 6.67 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 2.45 cm x 0.6 cm at the cranial pole and 0.61 cm at the caudal pole. The right adrenal gland measured 3.15 cm x 1.9 cm at the cranial pole and 0.68 cm at the caudal pole.

Spleen

The **spleen** revealed a focal hypoechoic expansive nodule, measuring 2.0 cm. Separate hypoechoic nodules were noted in the spleen.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild 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



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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. No evidence of metastatic disease.

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. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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.

Other

A **heart base mass** was noted in this patient, measuring approximately 2.0 cm – 3.0 cm. The position and echotexture would suggest aortic body tumor, which appeared to be occupying the base of the right atrium and the base of the left atrium in two separate growths, however, these may be connected and may be unrelated to the splenic presentation, however, hemangiosarcoma is also possible.

ULTRASONOGRAPHIC FINDINGS

- Splenic nodule/mass- round cell neoplasia versus hemangiosarcoma are primary concerns.
- Concurrent cardiac mass, nonobstructive at this time, however, may be inducing arrhythmogenic activity.
- Age-related hepatic changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

These may be independent pathologies or related hemangiosarcoma. Chemodectoma, fibrosarcoma, hemangiosarcoma are all possible in the heart. Chest radiographs followed by splenectomy is indicated.



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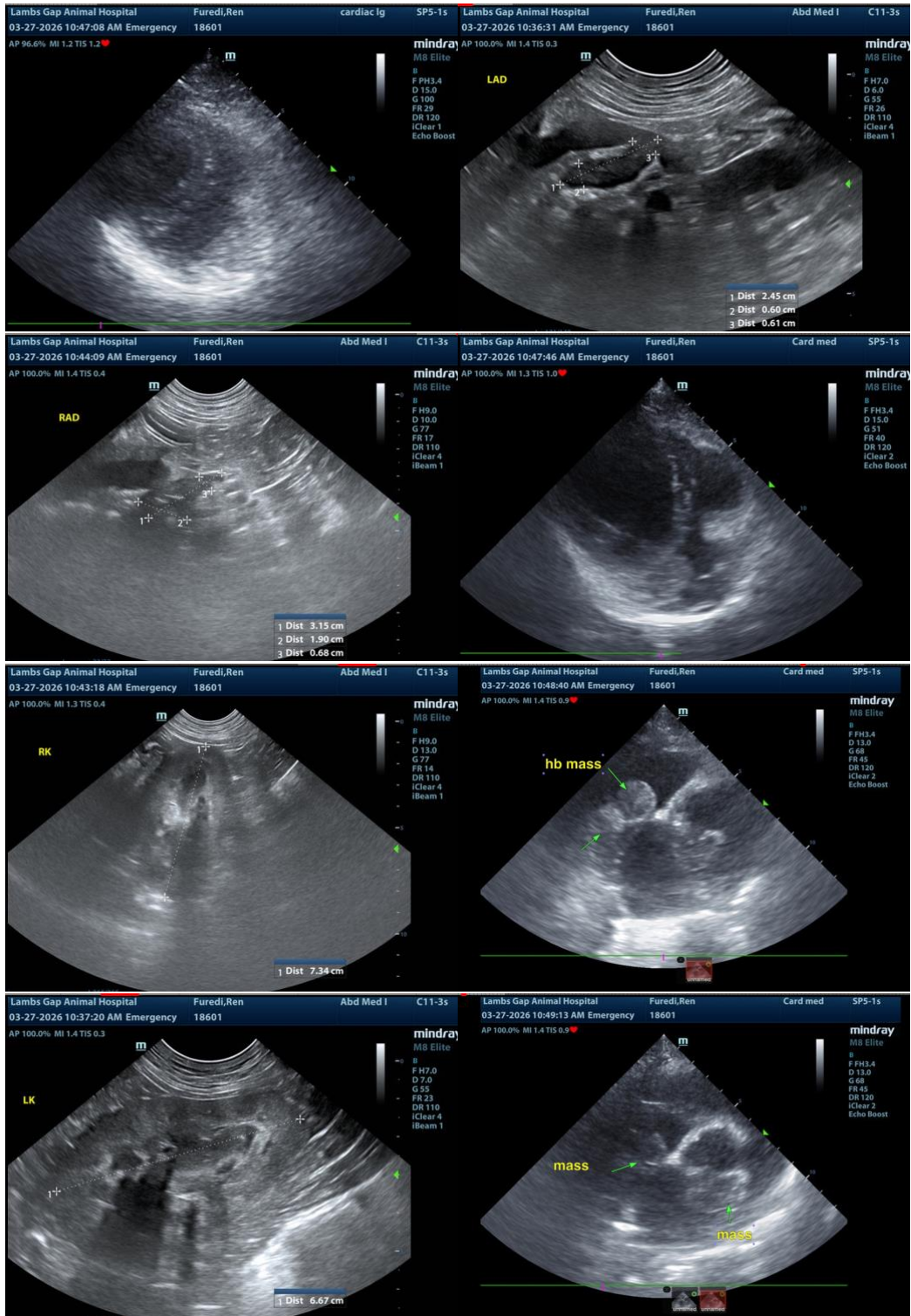
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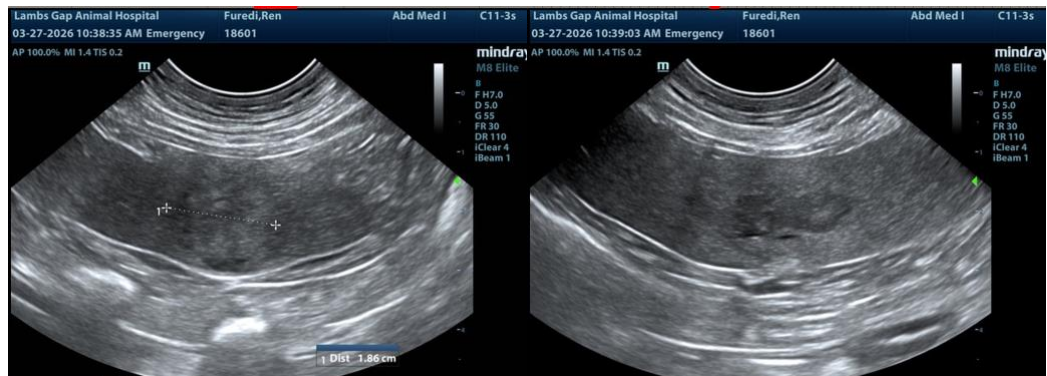
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,
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