



PATIENT

Bruno Johnston

SPECIES

Canine

BREED

Hound x

SEX

Neutered Male

AGE

4 Years 4 Months

WEIGHT

79.4 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

Forest Oaks Animal
Hospital

REFERRING VET

Dr. Kleish

INVOICE

74383

DATE

4/10/26

PRESENTING CLINICAL SIGNS

P presented for US due to a recent episode of lethargy and exhaustion. Bloodwork showed elevated ALT. Owners previous dog died due ot hepatic dz. Owner requested US to evaluate liver.

Abnormal PE/Chem/CBC/UA Results: ALT 440

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen.

The prostate appeared normal, measuring 8.6 mm in width, with uniform echogenicity and symmetrical shape.

The right kidney presents normal size (7.1 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.

The left kidney presents normal size with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis. Left kidney measures 5.6 cm.

Adrenal Glands

The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 14.2 mm and the caudal pole measures 7.5 mm.

The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 4.3 mm and the caudal pole measures 4.5 mm.

Spleen

The spleen is normal in size, shape, margination and echogenicity. No masses are seen. Normal blood flow.

Liver

The liver presents normal size and shape with smooth lobar margins. The parenchyma has normal echogenicity with normal echotexture. No focal lesions are seen. Intrahepatic bile ducts are normal. Normal vascular pattern.

The gallbladder presents normal size with anechoic contents. Normal gallbladder wall. No evidence of bile duct distention or obstruction.

Gastrointestinal

The stomach and intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.

Pancreas

The visible pancreas is normal in size with normal echogenic parenchyma and surrounded by normal peri-pancreatic mesentery.



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Free Abdomen

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

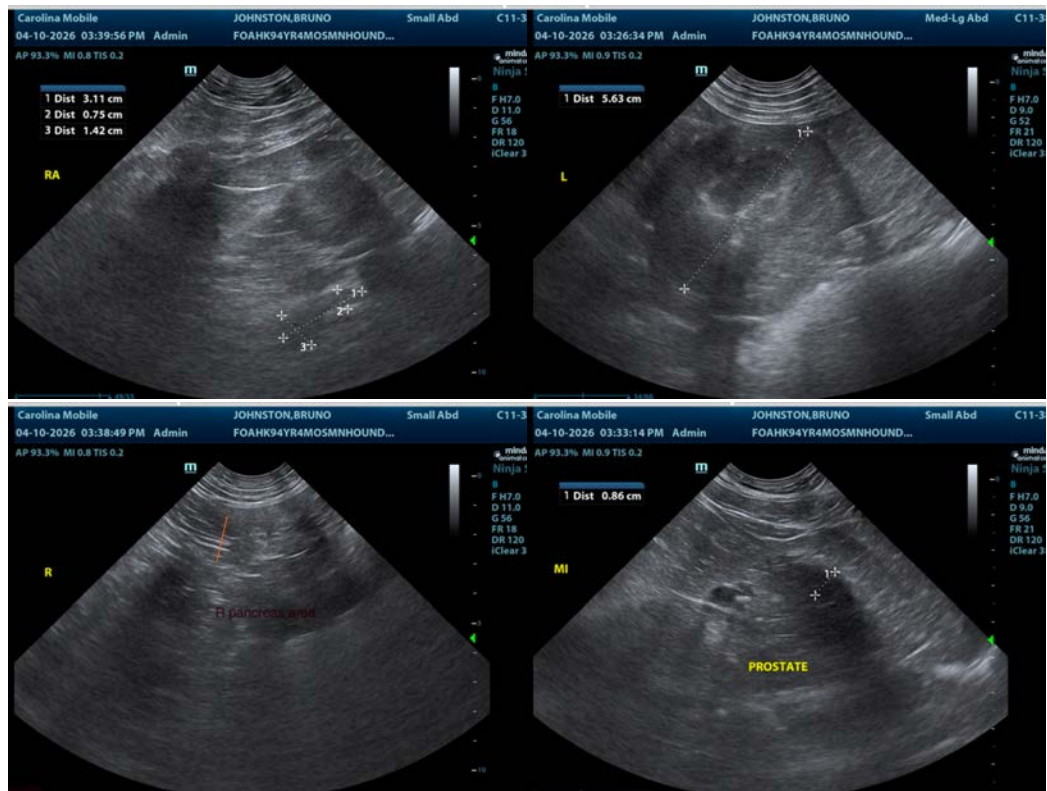
ULTRASONOGRAPHIC FINDINGS

- No significant abnormalities identified on this ultrasound.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No specific cause for the patient's clinical signs and mildly elevated ALT are seen. Consider Leptospirosis, and if patient is not vaccinated for Lepto, consider screening for this disease. Recommend rechecking ALT in approximately 7-10 days. If ALT remains persistently elevated, consider fine needle aspirate of the liver to rule out round cell neoplasia such as lymphoma or mast cell disease. These diseases are not suspected based off the appearance of the liver today. However, it would be warranted to rule these out before pursuing any more invasive procedures such as a liver biopsy. If the patient's ALT does remain persistently elevated, and aspirates of the liver are inconclusive, recommend liver biopsy.

Prognosis is open pending results of recommended diagnostics.





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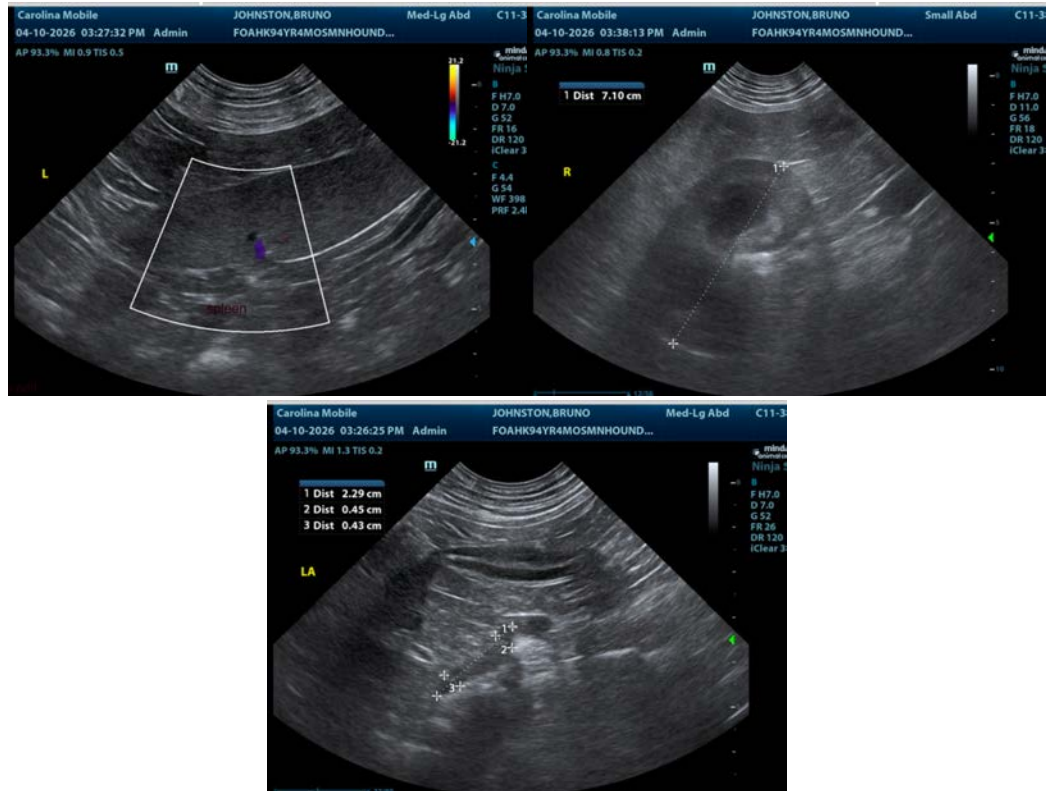
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Greg Kuhlman, DVM, DACVIM (SAIM)

Veterinary Internal Medicine Specialist
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