



PATIENT

Luna Hoffman

SPECIES

Canine

BREED

Bichon Frise X

SEX

Spayed Female

AGE

6 Years

WEIGHT

13.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Vetco Kinnelon

REFERRING VET

Dr. Rodriguez

INVOICE

36766

DATE

4/6/22

PRESENTING CLINICAL SIGNS

P presented yesterday for non-weight bearing LH. O also mentioned P has been drinking profusely and gained a lot of weight. Current meds: Thyro Tab 0.2mg 1/2 BID, gabapentin 100mg 1 TID
Abnormal PE/Chem/CBC/UA Results: stress leukogram, PLT 621, borderline low T4, SDMA 20, ALT 281, Chol 491, ALP 480, GGT 41, Amyl 443

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 3.0 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 right kidney measured 4.45 cm. The left kidney measured 4.1 cm. Blood flow to the kidneys appeared adequate on power doppler assessment.

Adrenal Glands

The **left adrenal gland** was 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 2.1 cm x 0.58 cm at the caudal pole and 0.50 cm at the cranial pole.

The **right adrenal gland** was slightly irregular, yet technically within normal limits, measuring 1.95 cm x 0.63 cm at the caudal pole and 0.58 cm at the cranial pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

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 presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident. The vena cava was free of evident pathology.

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.



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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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Unremarkable abdomen
- Slightly irregular right adrenal gland
- Non-specific inflammatory hepatopathy

BREED

Bichon Frise X

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

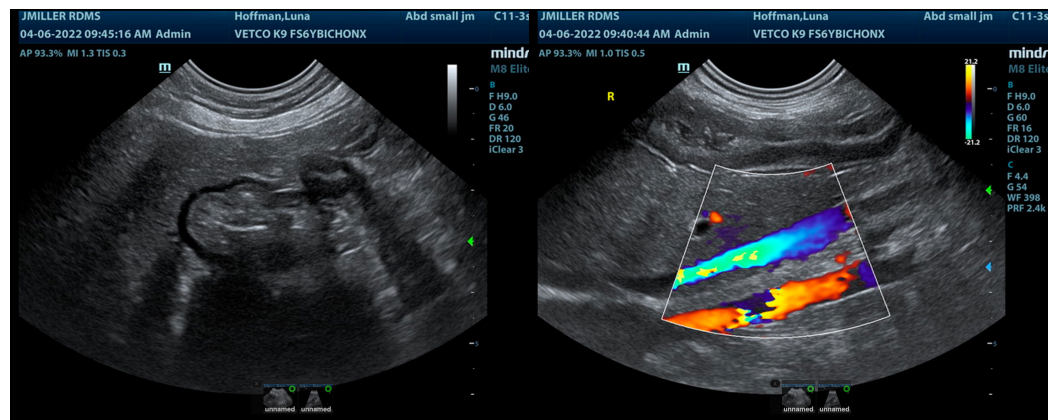
SEX

Blood pressure measurements warranted to assess any hypertension associated with the right adrenal gland. Full urinalysis workup warranted +/- FNA of the liver to assess inflammatory cell type. No evidence of neoplasia.

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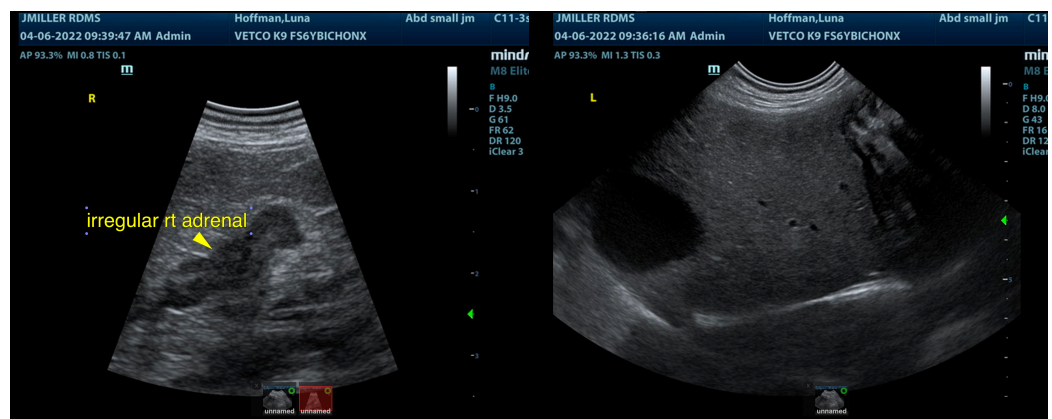
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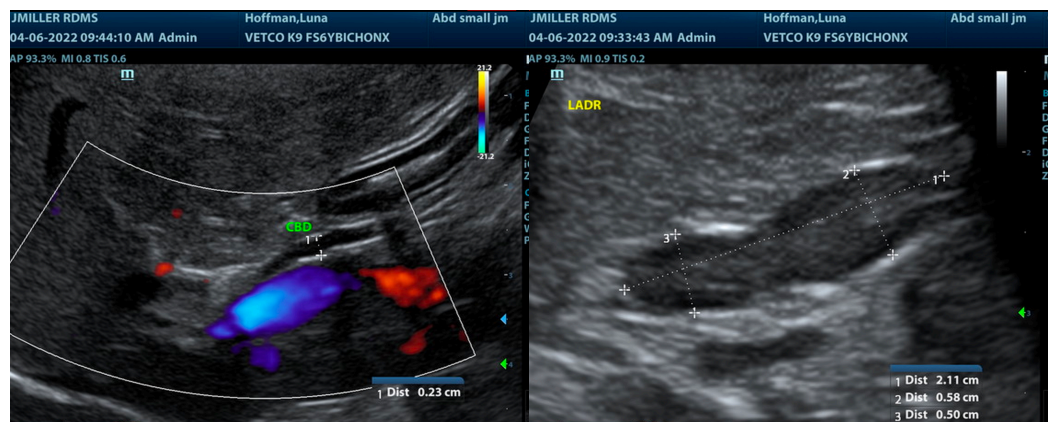
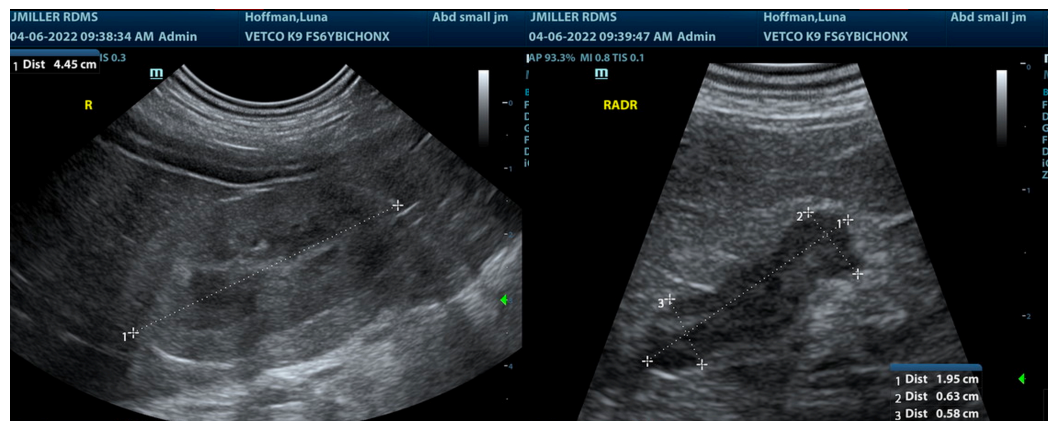
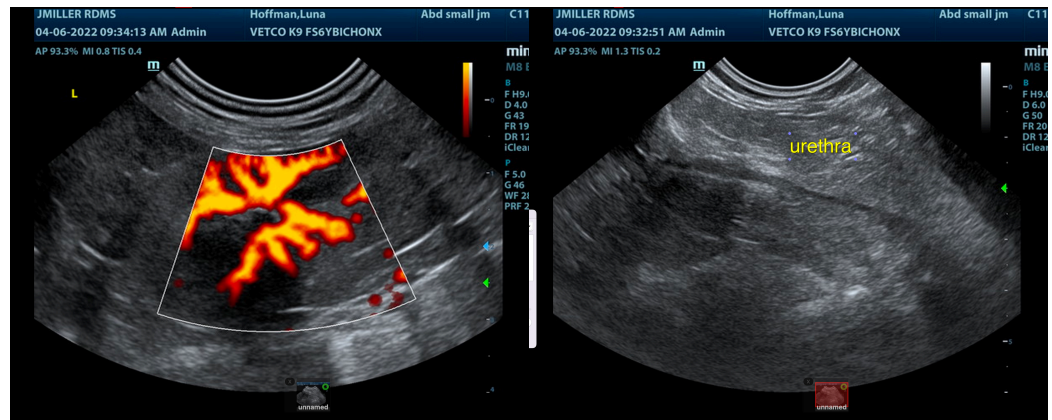
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com