



PATIENT

Thunder Jarvis

SPECIES

Canine

BREED

Cockapoo

SEX

Neutered male

AGE

13 years

WEIGHT

36.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Abdul-Chani

HOSPITAL NAME

Byram AH

REFERRING VET

Dr. Abdul Chani

INVOICE

30755

DATE

5/27/22

PRESENTING CLINICAL SIGNS

History: Painful Abd. / T-L area of back ; abdomen very tense ; enlarged liver on X-rays. Current Meds: Doxy 100mgs BID, Gabapentin 300 mgs BID, Pred. 10 mgs SID
Abnormal PE/Chem/CBC/UA Results: CBC = Normal ; CHEM = ALP = 252 ; CPL = 455 ; rest is normal ; T4 = 1.5 Urinalysis = Pending

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 residual prostate measured 0.7 cm.

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Cortical mineralization was noted in both kidneys. The right kidney measured 6.5 cm. The left kidney measured 6.4 cm.

Adrenal Glands

Both adrenal glands were swollen and heterogenous. There was slight irregular contour to the left adrenal gland was noted. This is concerning. There is a potential for early phrenic vein invasion. The left adrenal gland measured 3.15 x 1.22 cm at the caudal pole and 1.06 cm at the cranial pole. The right adrenal gland measured 2.25 x 1.16 cm at the caudal pole and 0.79 cm at the cranial pole.

Spleen

The **spleen** revealed multi-focal, hypoechoic nodular changes were noted with target appearance. The largest nodule measured up to 1.0 cm.

Liver

The **liver** revealed multiple, target lesions with irregular contour. The gallbladder was over distended with excessive debris.

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.

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ULTRASONOGRAPHIC FINDINGS

Multi-centric target lesions in the spleen and liver.

Irregular left adrenal gland, possible early phrenic vein occupation or invasion.

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Over distended gallbladder with excessive debris.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen and liver as well as serial blood pressure measurements are recommended. Guarded to poor prognosis depending upon cytology results. Embolic and fungal disease is possible, yet less likely.

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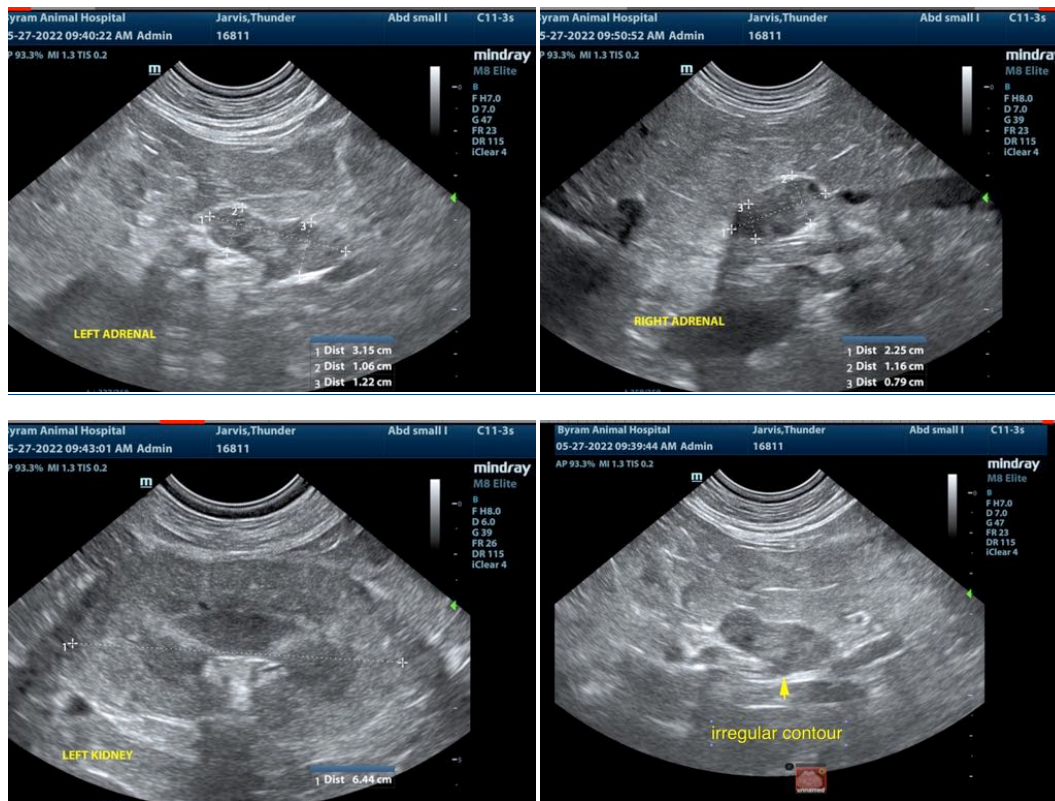
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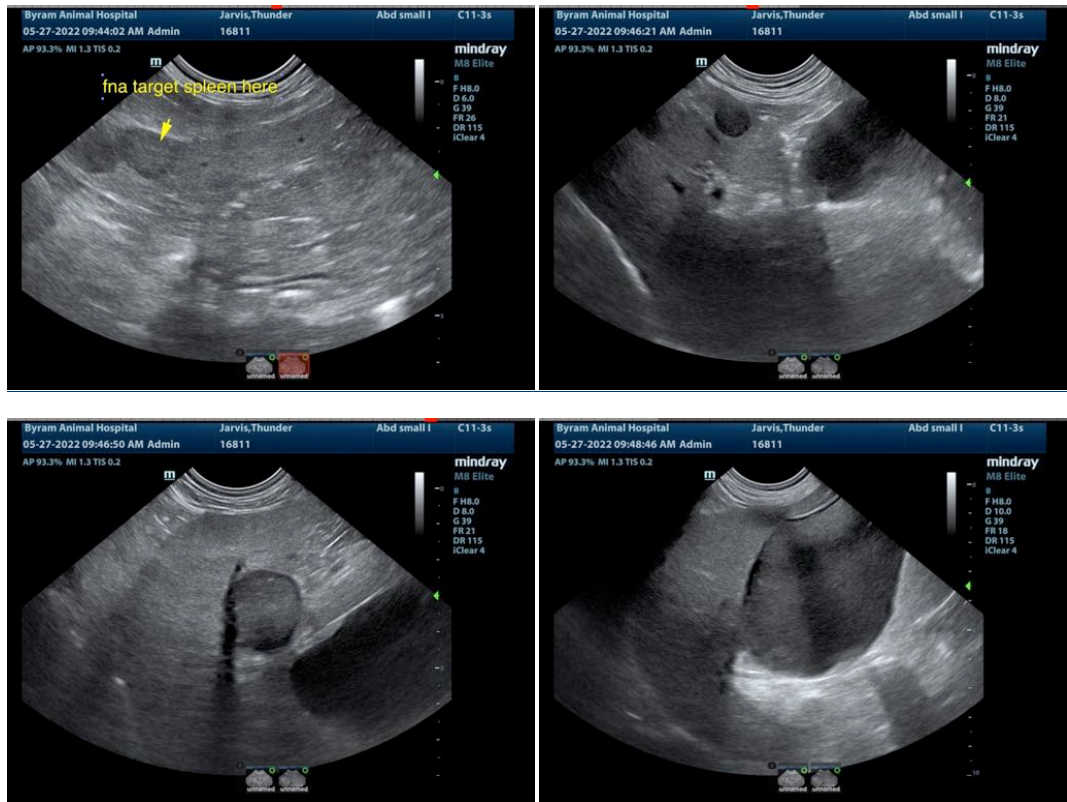
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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