



PATIENT

Lacey Beatty

SPECIES

Canine

BREED

Brittany Spaniel

SEX

Spayed Female

AGE

12 Years

WEIGHT

30 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. de Cordon

HOSPITAL NAME

Mason Dixon AEH

REFERRING VET

Dr. de Cordon

INVOICE

17772

DATE

10/17/22

PRESENTING CLINICAL SIGNS

History: Presented for decreased appetite, lethargy, pu/pd, diarrhea and gas. Episodes of retching/coughing. Has been having a hard time swallowing. Feeding soft diet with elevated feeders. Firm, extended abdomen. Was dx with heart murmur and heart disease by rDVM. No traces of any heart disease. Recommend continuing medications as precaution but no murmur or other disease noted.

Abnormal PE/Chem/CBC/UA Results: Mucous Membranes: Pale pink, cyanotic Harsh lung sounds left side of chest; coughing on presentation Abnormal, pendulous abdomen with enlarged liver vs spleen on palpation Abnormal, has a lot of difficulty walking; painful on extension of left hind leg
RADIOGRAPHS: R lat/vd chest- air bronchograms in left lung fields, enlarged spleen but good detail

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 **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 left kidney measured 5.95 cm. The right kidney measured 7.84 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 0.5 cm. The right adrenal gland was visualized obliquely, measuring a maximum of 8.0 mm in width.

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** was uniformly enlarged with multifocal hypoechoic nodular changes without disrupted architecture. The gallbladder was mildly over distended with mild suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

Gastrointestinal



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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

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

Brittany Spaniel

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

- Vacuolar hepatopathy/nodular hyperplasia liver pattern with excessive gallbladder debris- FNA warranted for further definition
- Age-related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 Years

Ursodiol over the next 6-8 weeks is warranted. Mild potential for round cell neoplasia of the liver. The cause for PU/PD is unclear in this patient. Thoracic evaluation is recommended given the patient history. No evidence of abdominal disease directly related to the clinical signs. If adrenal disease is suspected, full sedation and further imaging of the right adrenal region is warranted.

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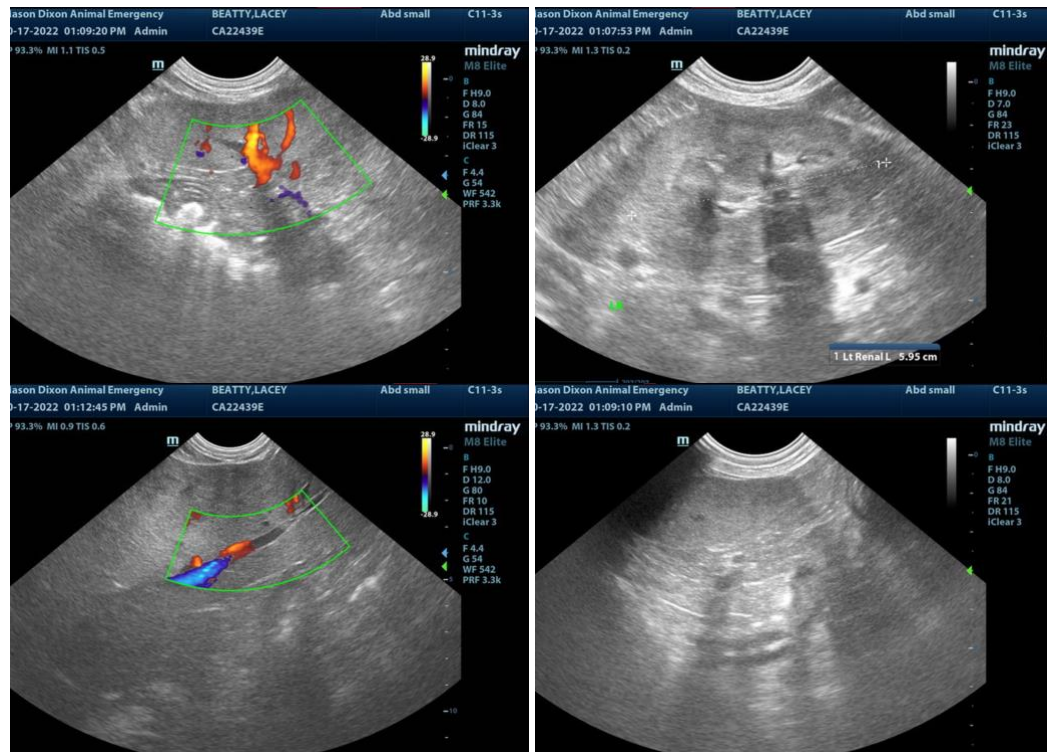
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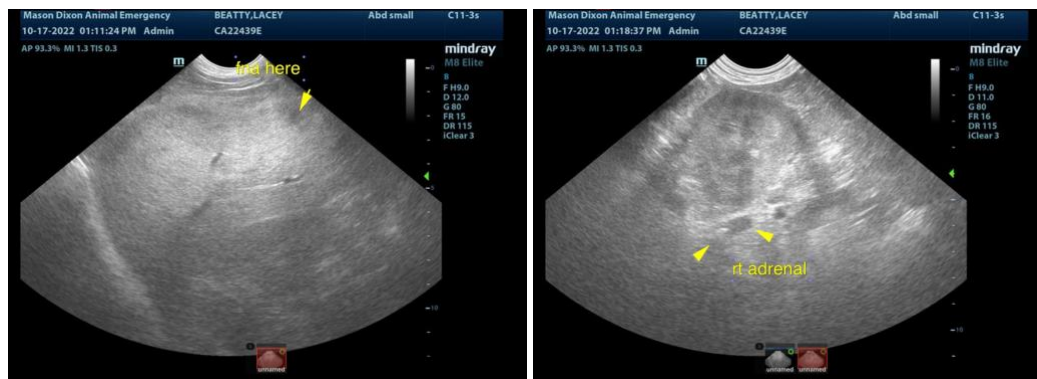
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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