

PATIENT

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SPECIES

Canine

BREED

Pointer X

SEX

Neutered Male

AGE

10 Years

WEIGHT

52 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Judy Schroeder

HOSPITAL NAME

Animal Health
Associates

REFERRING VET

Judy Schroeder

INVOICE

14325

DATE

3/14/22

PRESENTING CLINICAL SIGNS

History: Acute onset of vomiting and lethargy after eating duck eggs. Blood testing showed very high ALT, ALP, GGT and moderate elevation in bilirubin. Patient started on antibiotics and anti-emetics. Vomiting stopped but patient is extremely lethargic.

Abnormal PE/Chem/CBC/UA Results: Weight loss, has been slowly losing weight over months. 3/11 ALT 1934 U/l, ALP 1370 U/l, GGT 17 U/l, Bili 2.3 mg/dl 3/14 ALT 1556 U/l, ALP 2217 U/l, GGT 30 U/l, Bili 1.3 mg/dl

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 urethra was slightly dilated yet no overt cause of obstruction. The residual prostate measured 1.0 cm.

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 7.44 cm. The left kidney measured 7.26 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 0.66 cm at the cranial pole and 0.52 cm at the caudal pole. The right adrenal gland measured 0.87 cm at the cranial pole and 0.68 cm at the caudal pole.

Spleen

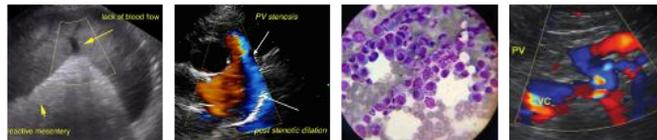
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or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

Liver

The **liver** revealed slight coarse architecture and minor increased portal markings. Parenchyma was uniform. The gallbladder and common bile duct were unremarkable.

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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Free Abdomen

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Mesenteric **lymph nodes** (an example measured 2.17 cm x 0.75 cm) presented normal length to width ratio with slight, swollen contour. There was no loss of parenchymal detail. This is most consistent with reactive lymphadenitis or lymphatic hyperplasia.

SEX

Neutered Male

- Acute hepatitis, leptospirosis or similar toxic insult should be considered
- Reactive mesenteric lymph nodes

ULTRASONOGRAPHIC FINDINGS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

10 Years

Coagulation panel and FNA of the liver indicated. Leptospirosis titers indicated. IV ampicillin, nutraceuticals and fluid support all indicated.

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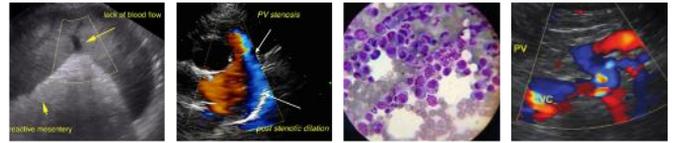
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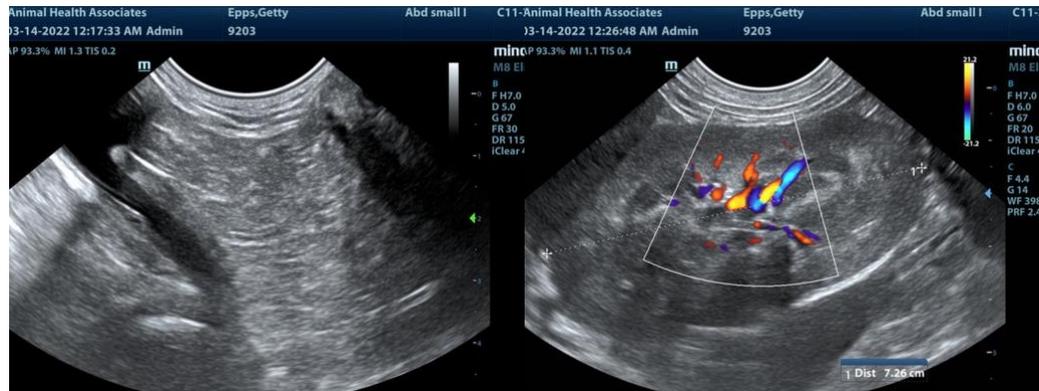
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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