



PATIENT

Sparky Pennell

SPECIES

Canine

BREED

Rottweiler X

SEX

Neutered Male

AGE

2 Years

WEIGHT

64.5 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JSS

HOSPITAL NAME

King Hopkins Pet Hospital

REFERRING VET

Dr. Omotayo Conteh

INVOICE

43531

DATE

12/18/22

PRESENTING CLINICAL SIGNS

Energy levels steadily decreasing over the past 3-4 days after giving P NexGard. O is unsure if P is pooping as they have a large property that the dogs roam free on. P was given Nexgard 2 days ago, then P wouldn't eat usual dinner which is unusual and was slightly lethargic. P eats once daily. P wouldn't go out next day but ate 3/4 of can food which O usually give as treats for special occasion. Today seems to have picked up but still not to their usual happy self. No c/s/d/v. O gives raw hyde kept in fridge. 2nd dog at home which plays together remains fine. O thinks P ate rabbit carcass about 2 weeks ago. 1 episode of vomiting on 12/17.

Abnormal PE/Chem/CBC/UA Results: - Pale mucous membrane - QAR, severe lethargy - low RBC, HCT, HGB, PLT - high WBC, NEU, MONO, MPV - high TBIL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

****41 still images and 4 videos submitted.**

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 2.0 cm beyond the cystourethral junction.

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 7.0 cm. The left kidney measured 7.24 cm.

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 0.41 cm at the cranial pole and 0.49 cm at the caudal pole.

The **right adrenal gland** was not visualized.

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.



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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.

Pancreas

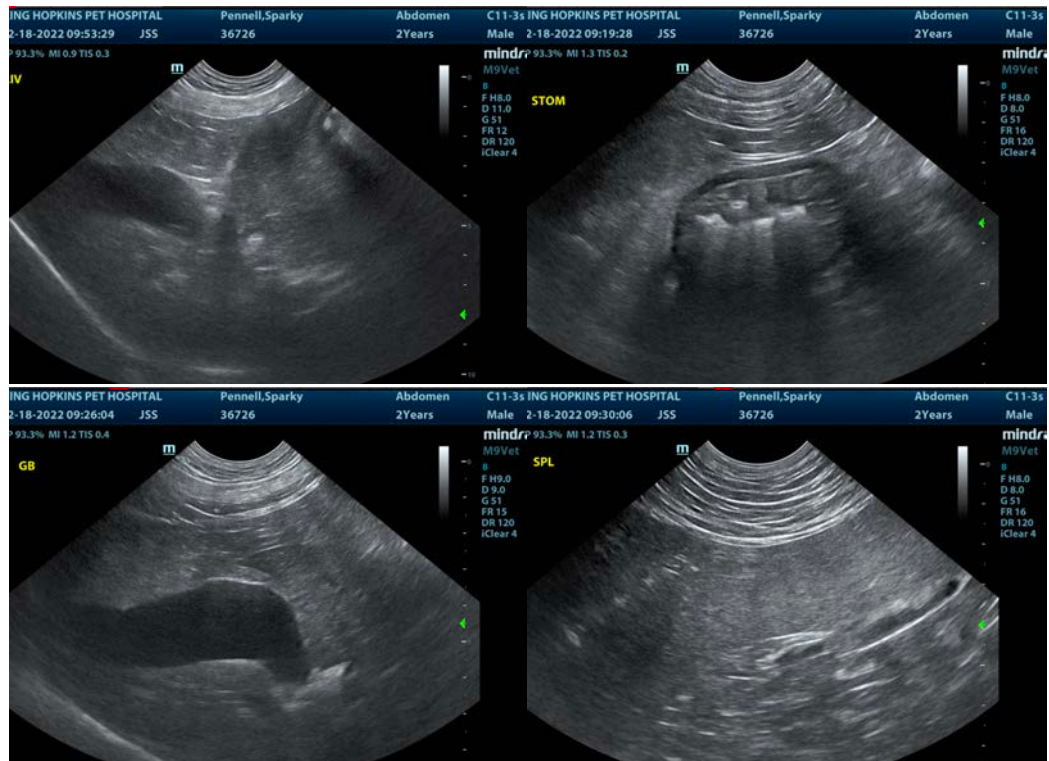
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Structurally unremarkable abdomen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of visceral pathology related to the clinical history in this patient. CBC path review and bone marrow biopsy indicated.



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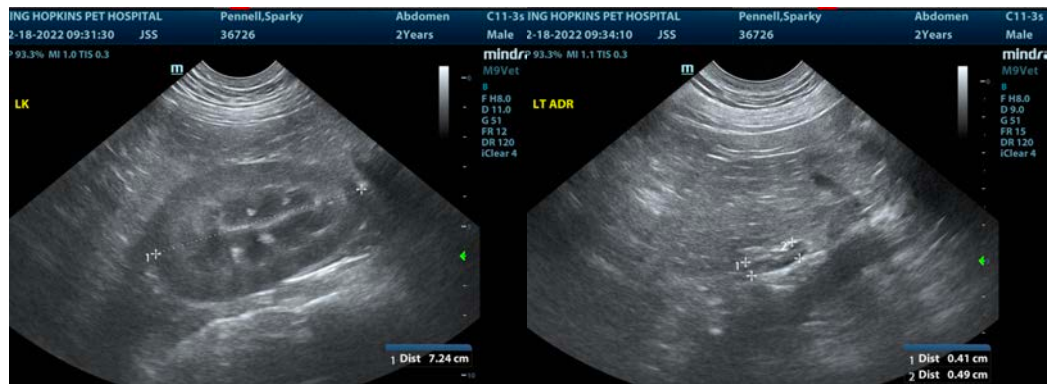
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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