



PATIENT PRESENTING CLINICAL SIGNS

Lucy King History: Previous scan 6/14/22 - recheck to proceed with FNA of liver. Clotting profile normal and first AM sp. Grav low - 1.011, Fecal parasite negative.

SPECIES

Canine

BREED

Dalmatian

SEX

Spayed female

AGE

8 years

WEIGHT

32 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Crystal Hill, RVT

HOSPITAL NAME

Grand River VH

REFERRING VET

Dr. Robinson/Hornak

INVOICE

32013

DATE

7/27/22

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 **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 6.77 cm. The left kidney measured 5.36 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 2.75 x 0.63 cm at the caudal pole and 0.65 cm at the cranial pole. The right adrenal gland measured 2.04 x 1.65 cm at the cranial pole and 1.0 cm at the caudal pole.

Spleen

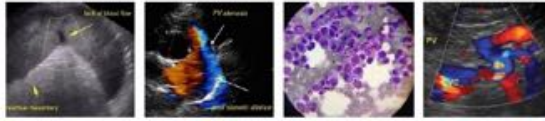
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or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

Liver

The **liver** presented irregular swelling with increased portal markings and coarse architecture. This is consistent with remodeling and inflammatory hepatopathy. The caudate process was pronounced. There was no evidence of masses or suspicion of underlying neoplasia.

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



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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

Dalmatian

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Vacuolar hepatopathy, chronic inflammatory hepatopathy liver pattern.

Swollen caudate process.

There was no evidence of neoplasia or overt masses.

AGE

8 years

Otherwise, unremarkable abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

32 kg

Management should be based on FNA results.

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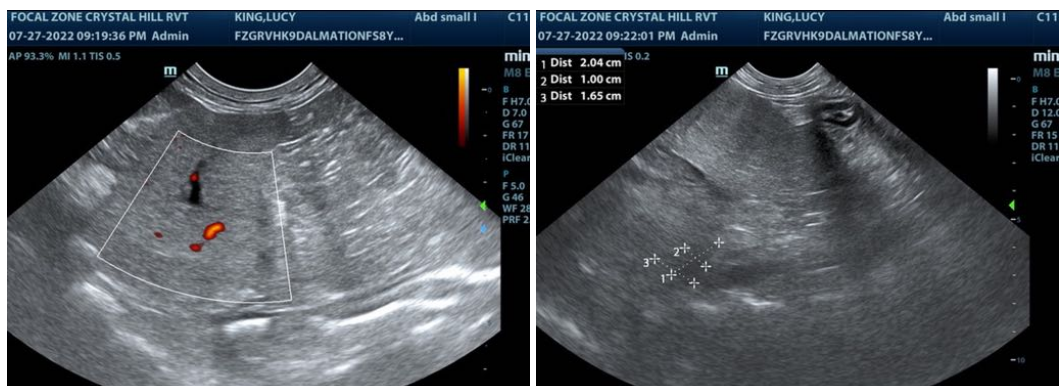
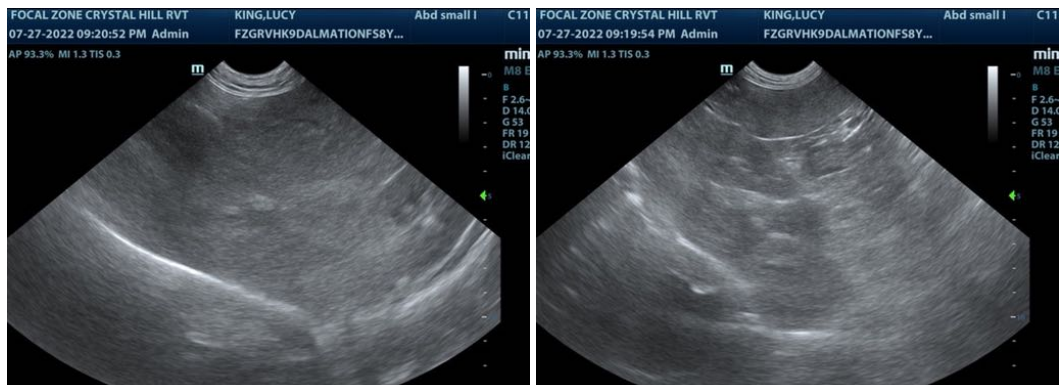
Dr. Robinson/Hornak

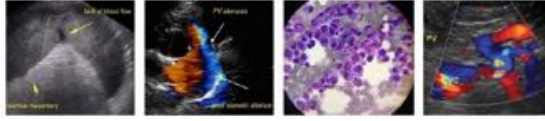
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SEX

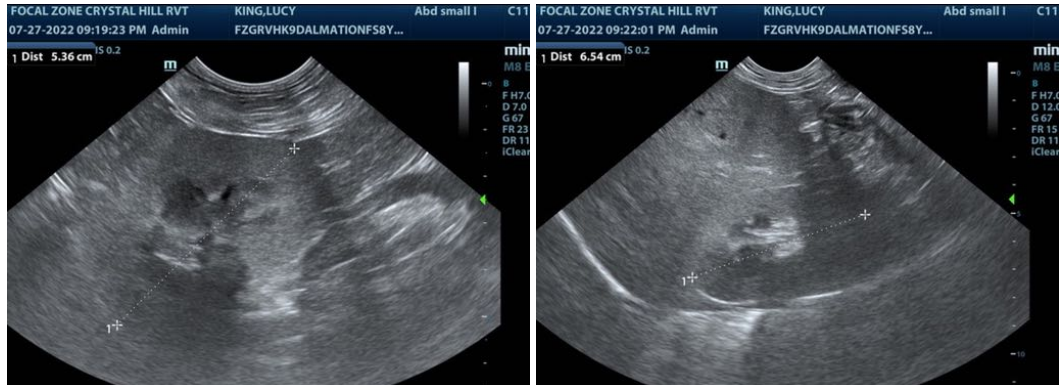
Spayed female

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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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