



PATIENT

Scarlett O'Hair

SPECIES

Canine

BREED

English Bulldog

SEX

Spayed Female

AGE

6 Years

WEIGHT

55.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Susanne Bush

HOSPITAL NAME

Great Miami Vet Care

REFERRING VET

Dr. Susanne Bush

INVOICE

37224

DATE

4/27/22

PRESENTING CLINICAL SIGNS

Scarlett presents for abdominal ultrasound of her abdomen focusing on her liver. She is scheduled to have orthopedic surgery with MedVet, but screening blood work revealed an elevated ALKP which has been trending upwards (3/12/22: 1,657 U/L, 3/14/21: 821 U/L, 7/7/19: 197 U/L) with the remainder of the bloodwork within normal limits. She currently take levetiracetam and carprofen.

Abnormal PE/Chem/CBC/UA Results: BAR, mild hyperkeratosis of nose, moist interdigital dermatitis, bilateral flank alopecia., historic pelvic limb orthopedic disease.

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 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 left kidney measured 5.9 cm. The right kidney measured 5.8 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 right adrenal gland measured 0.50 cm. The left adrenal gland measured 0.50 cm.

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 mildly subnormal in size with coarse, uniform parenchyma. Slight increased portal markings noted. The gallbladder was unremarkable.

Gastrointestinal

Some retention of ingesta was noted in the **stomach**. The small intestine and colon were unremarkable.

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.



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ULTRASONOGRAPHIC FINDINGS

- Mild microhepatica, non-specific with coarse architecture, hepatic remodeling - history of inflammatory hepatopathy likely.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver indicated for further definition. No evidence of neoplasia. Bile acid profile could be considered. No parenchymal changes consistent with hepatocutaneous syndrome. If bile acids are normal, no contraindication for surgery/anesthetic procedure.

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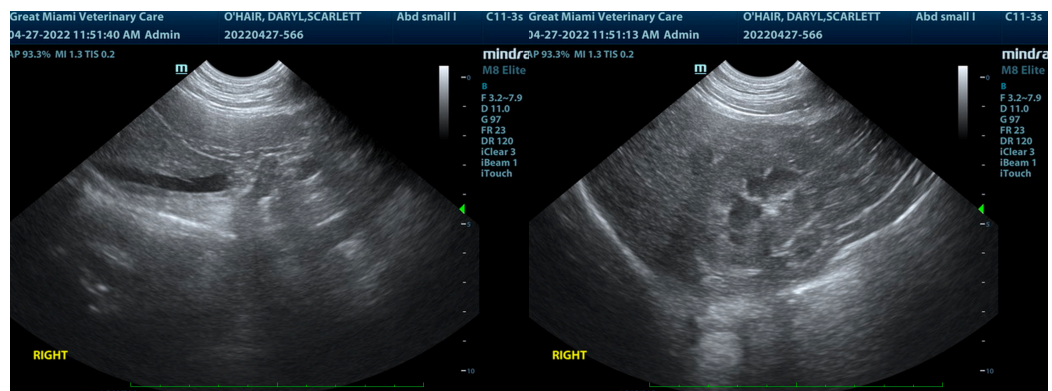
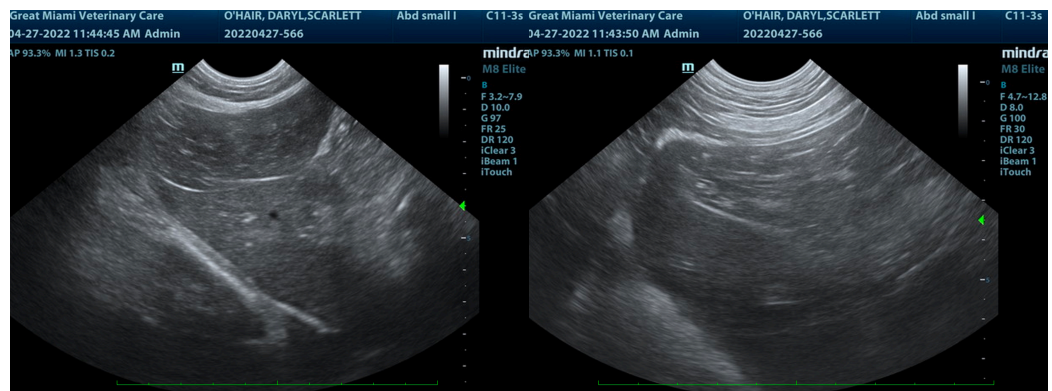
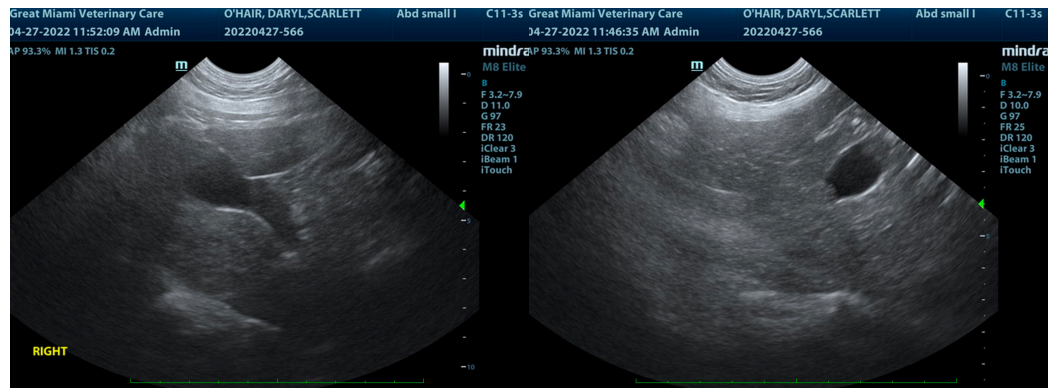
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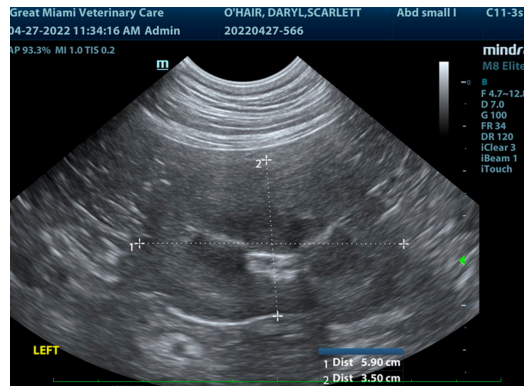
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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