



**PATIENT**

Casey Kelly

**SPECIES**

Canine

**BREED**

German Shorthair  
Pointer

**SEX**

Spayed Female

**AGE**

6 Years

**WEIGHT**

60 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden

**HOSPITAL NAME**

AH of Sussex County

**REFERRING VET**

Dr. Scairpon

**INVOICE**

46640

**DATE**

4/13/23

**PRESENTING CLINICAL SIGNS**

Jaundiced; acute vomiting, diarrhea, inappetence. On clavamox , metronidazole, cerenia.

Abnormal PE/Chem/CBC/UA Results: t bili 8.5, ALT 355, all else wnl. lept snap test negative. CBC: wbc 17.5, neuts 15.4

**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 **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 7.0 cm. The right kidney measured 5.5 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 2.9 cm x 1.8 cm at the cranial pole and 0.73 cm at the caudal pole. The left adrenal gland measured 2.78 cm x 0.53 cm at the caudal pole and 0.46 cm at the cranial pole.

**Spleen**

The **spleen** was mildly enlarged and folded upon itself. Uniform parenchyma. No evidence of thrombosis.

**Liver**

The **liver** was normal in size with coarse architecture. Mild increased portal markings noted. The gallbladder was essentially empty. Hepatic lymph nodes were also mildly enlarged, reactive pattern.

**Gastrointestinal**

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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 right limb of the **pancreas** was hypoechoic and mildly irregular. Low-grade pancreatitis likely present yet not a primary issue. No evidence of post-hepatic obstruction.

**ULTRASONOGRAPHIC FINDINGS**

- Fibrosing cholangitis liver pattern
- Mildly enlarged spleen



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- Hypochoic, irregular right pancreatic limb

Casey Kelly

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Acute on chronic liver failure cholangitis pattern, minor potential for neoplasia. FNA of the liver warranted for further definition. Leptospirosis titers warranted and assessment for history of toxin exposure. Core liver biopsy indicated to assess for copper storage. Ampicillin, Metronidazole, nutraceuticals all indicated.

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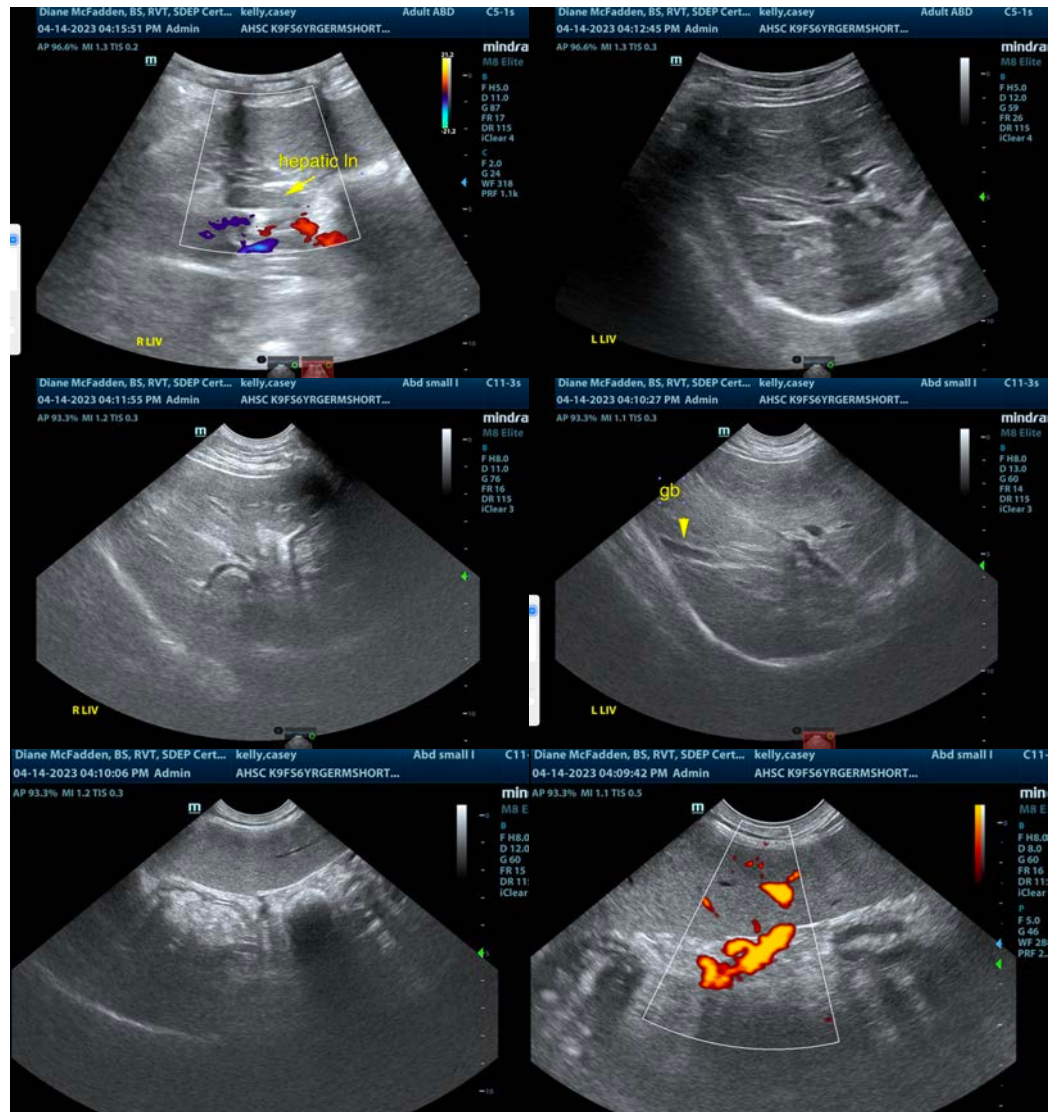
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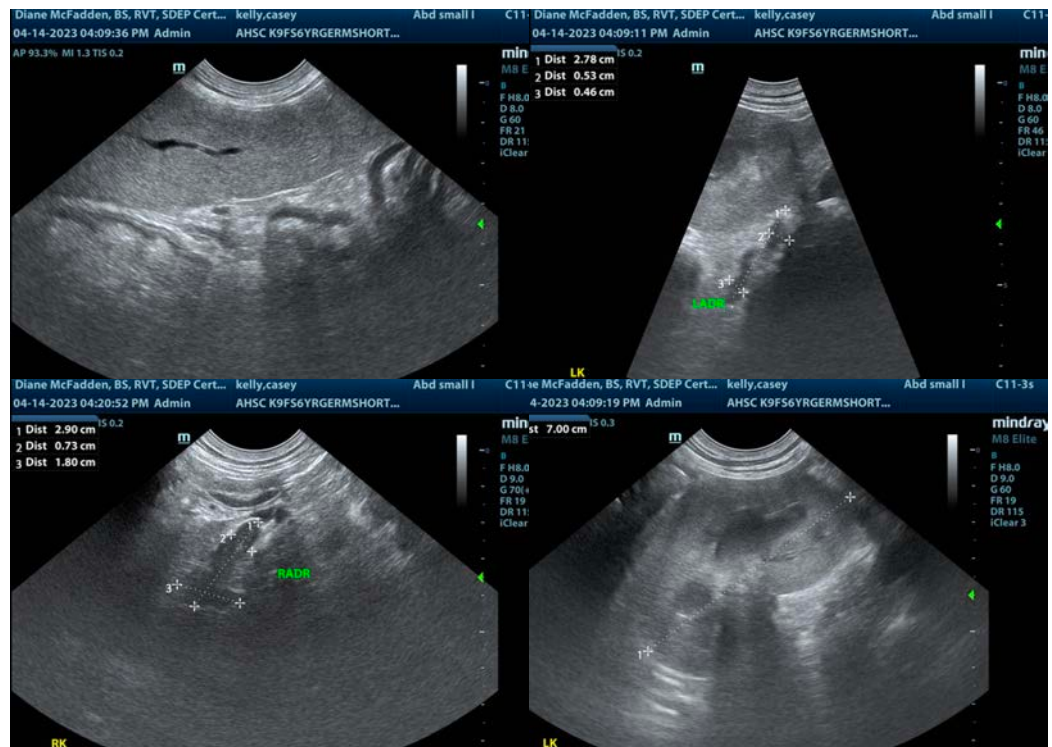
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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