



**PATIENT**

Sophia Wexler

**SPECIES**

Canine

**BREED**

Pit Bull

**SEX**

Spayed female

**AGE**

12 years

**WEIGHT**

60.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Roche

**HOSPITAL NAME**

Fredon AH

**REFERRING VET**

Dr. Roche

**INVOICE**

42764

**DATE**

11/29/22

**PRESENTING CLINICAL SIGNS**

History: decreased appetite, weight loss. several weeks.

Abnormal PE/Chem/CBC/UA Results: BCS 4/9, muscle loss diffusely, few open oozing nodular skin growths. No improvement with recent antibiotics. SDMA 19, Creat 2.4, BUN 51, ALT 1065, Alkphos 1061, amylase 1556, lipase 255

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. 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 left kidney measured 6.54 cm. The right kidney measured 6.0 cm.

**Adrenal Glands**

The **adrenal glands** were not visualized.

**Spleen**

The **spleen** revealed slight, heterogenous parenchymal changes. The changes were minor and non-disruptive. A hypoechoic nodule was noted and measured 1.3 cm. FNA is indicated.

**Liver**

The **liver** revealed increased portal markings with isoechoic, heterogenous parenchymal changes. 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**

Sophia Wexler

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.

**SPECIES**

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**ULTRASONOGRAPHIC FINDINGS**

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Pit Bull

Undefined splenic nodule.

Non-specific hepatic remodeling.

Non-specific age related renal changes.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

12 years

The cause of azotemia is unclear. The kidneys do not appear end stage. Screening for Addison's is warranted given the lack of adrenal visibility. Bile acid profile is indicated. Leptospirosis titers are warranted given the azotemia. FNA of the liver and splenic nodules are all indicated. Full urinary work up is warranted if not already performed. Given the ALT elevations chronic Leptospirosis may be playing a role.

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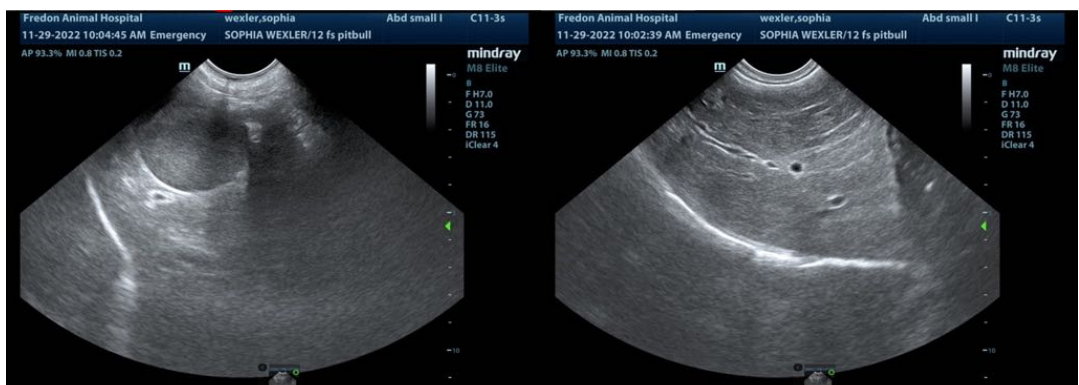
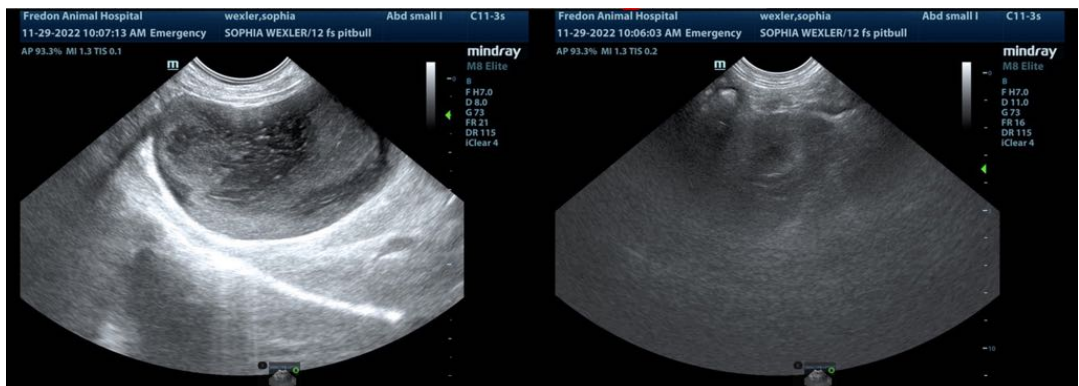
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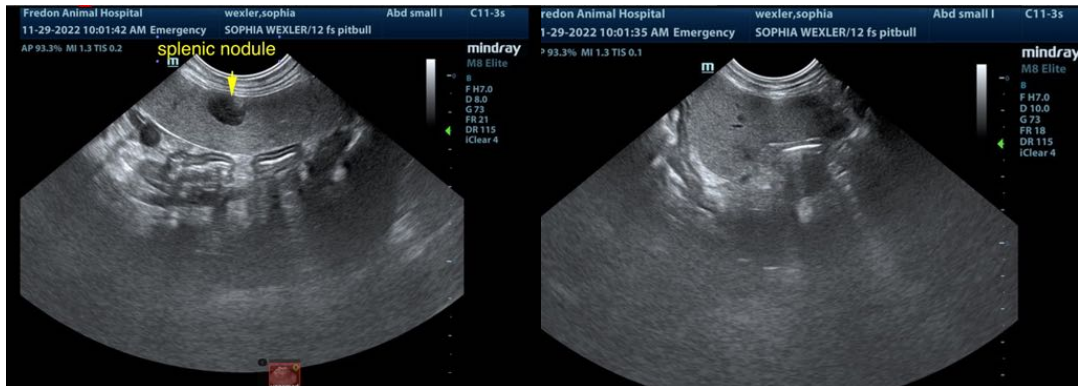
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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