



## PATIENT

Samoa McMullan

## SPECIES

Canine

## BREED

French Bulldog

## SEX

Spayed female

## AGE

7 years

## WEIGHT

24.8 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Anleu

## HOSPITAL NAME

Ellwood AH

## REFERRING VET

Dr. Anleu

## INVOICE

74896

## DATE

4/27/26

## PRESENTING CLINICAL SIGNS

History: O brought P in 04/23/26 with primary concern of excessive drooling that had started about 2 days prior to visit. The only thing O could think of P possibly having a reaction to was a "new fabric spray" O had been using on clothes. O had suspicions of P getting into deceased wasps that had been killed with insecticide. O did not see P get a hold of the wasps, but stated P does have access to the area. Repeat chemistry in office today, 04/27/26, prompted abdominal ultrasound. P has known IVDD and a stable grade 2-3 heart murmur.

4/23/26 chemistry results show ALT value high at 1,952 (18-121 U/L) and AST value high at 151 (16-55 U/L). 04/27/26 in house chemistry results show ALT value high at 996 4x dilution (0-120). P's excessive drooling has completely stopped and it was the only symptom observed.

## 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 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 4.7 cm. The left kidney measured 4.8 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 1.58 x 0.41 cm. The region of the **right adrenal gland** appeared unremarkable.

### Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself. This is a positional variant and is not pathological. There was no evidence of significant disease.

### 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



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lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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## Gastrointestinal

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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Minor retention of ingesta noted in the stomach. 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.

## SEX

Spayed female

## Pancreas

## AGE

7 years

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.

## WEIGHT

24.8 lbs

## ULTRASONOGRAPHIC FINDINGS

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Structurally unremarkable abdomen.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## IMAGING PERFORMED BY

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Supportive care should prove effective. Liver enzyme elevation is likely reactive hepatopathy secondary to any GI insult. However, Leptospirosis titers are indicated. If ALT values remain elevated despite empirical measures then FNA would be indicated, yet structurally the liver appears unremarkable.

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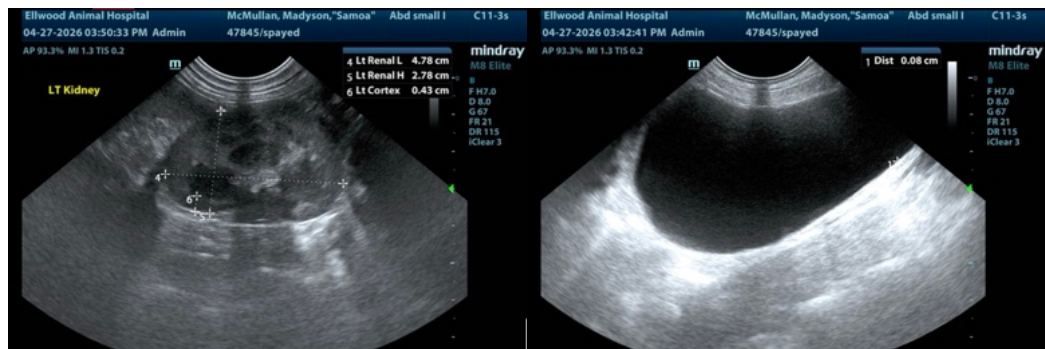
Dr. Anleu

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**BREED**

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**SEX**

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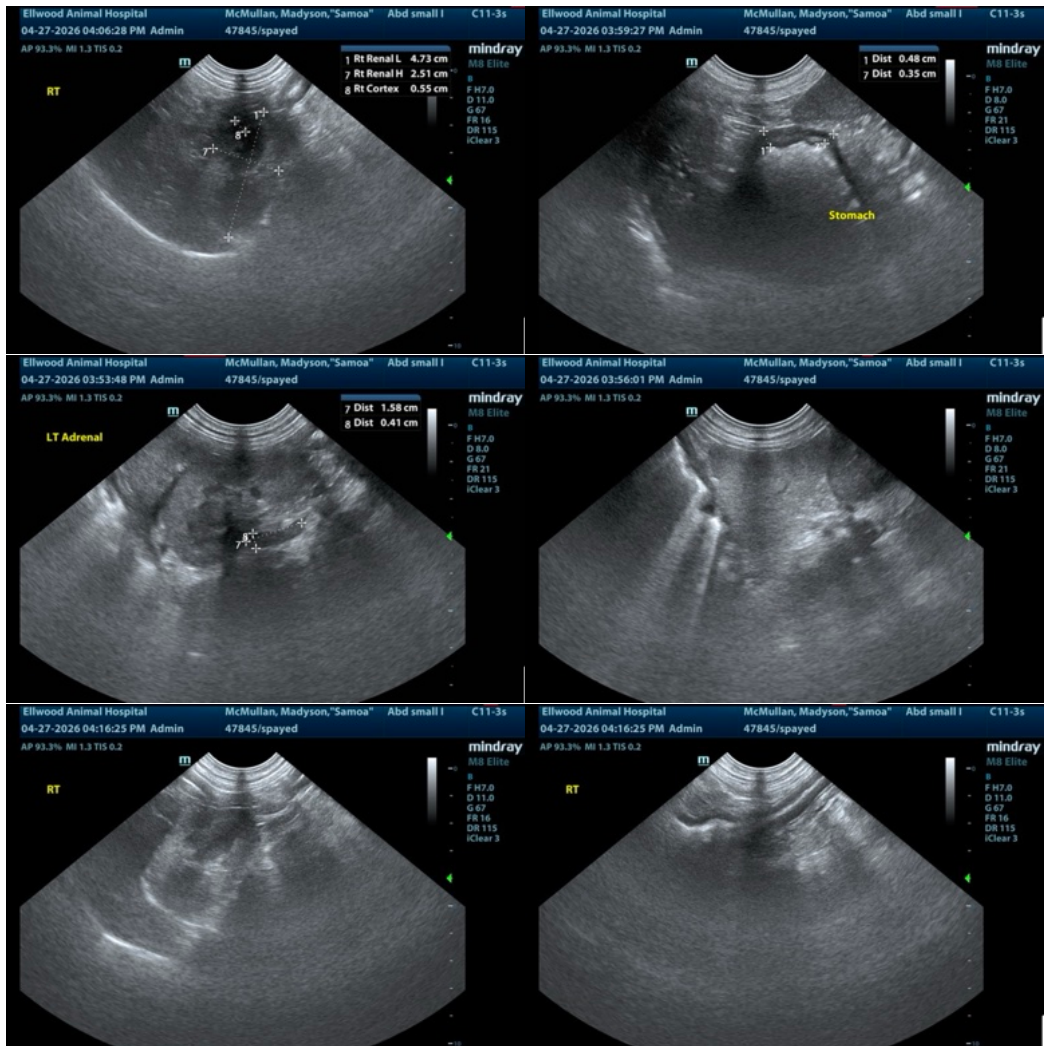
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 (CFM), Cert. IVUSS, CEO of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)