



**PATIENT PRESENTING CLINICAL SIGNS**

Bobo Jordan History: Scan requested due to concern for possible splenic mass. Hx of CHF diagnosed in July and has been on triple therapy since.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Papillon

**SEX** The area of the residual prostate appeared normal and free of pathology.

Neutered Male

The area of the aortic trifurcation was free of pathology.

**AGE**

11 Years

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient.

Discrete pinpoint hyperechoic cortical foci were noted, which may indicate discrete areas of cortical microinfarction, fibrosis or mineralization. Minor right kidney pyelectasia was noted. A thinly walled cyst was noted in the medial left kidney, containing anechoic fluid, measuring 1.6 cm in diameter. The left kidney measured 4.7 cm in length. The right kidney measured 5.9 cm in length.

**WEIGHT**

9.1 kg

**Adrenal Glands**

Both adrenal glands were borderline prominent in size, based on caudal pole width measurement, in light of body weight. Symmetrical capsule contour and homogenous adrenal parenchyma were present. The left adrenal gland measured 0.52 cm at the cranial pole and 0.62 cm at the caudal pole. The right adrenal gland measured 0.49 cm at the cranial pole and 0.55 cm at the caudal pole.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**Spleen**

**IMAGING PERFORMED BY**

Dr. Sarah Barthelemy

The spleen exhibited subjective mild enlargement with maintained symmetrical capsule contour and generalized subtle splenic parenchyma heterogeneity. A solitary mildly expansive yet nondisruptive nonhomogenous hypoechoic macronodule was noted in the cranial lateral spleen, measuring 2.2 cm in diameter. Splenic vascularity was normal.

**HOSPITAL NAME**

Apline 24 hour PH

**Liver**

The liver was mildly enlarged in size. Mild nonuniform increased parenchyma echogenicity was noted, compared to the spleen and renal cortices. The echotexture of the liver parenchyma was uniform with a mild coarse echotexture. The capsule of the liver was symmetrical in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. No masses or nodules were noted.

**REFERRING VET**

Dr. Drohan

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The gallbladder was non-distended in size with moderate inspissated yet nonorganized hyperechoic debris with suspect entrapped peripheral mucus. No evidence of peripheral gallbladder inflammation. The cystic and common bile ducts were normal.

**DATE**

3/1/23

**Gastrointestinal**



**PATIENT**

Bobo Jordan

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild ingesta, sonographically consistent with food.

**SPECIES**

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

**Pancreas**

**BREED**

Papillon

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. This is consistent with age-related pancreatic changes and incidental.

**SEX**

Neutered Male

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

11 Years

**ULTRASONOGRAPHIC FINDINGS**

- Mild splenomegaly with mildly expansive yet nondisruptive nonspecific macronodule
- Mild hepatomegaly- subjectively benign
- Moderate gallbladder debris/mucus- not consistent with mucocele criteria
- Chronic renal changes with minor right kidney pyelectasia and left kidney cortical cyst
- Bilateral borderline prominent adrenal glands- nonspecific

**WEIGHT**

9.1 kg

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The generalized mild splenomegaly and nonspecific nodule may indicate benign etiologies, such as hyperplasia, hematopoiesis, incidental splenitis, granuloma, although potential for infiltrative neoplasia cannot be excluded. Full CBC/chemistry panel and urinalysis are suggested. Further assessment may include, assuming normal clotting status and using a 25-gauge needle, splenic parenchyma and macronodule FNA +/- screening hepatic FNA cytology if evidence of hepatic enzyme elevations or cholestasis are present. Hepatosupportive medications, including Denamarin and Ursodiol may be considered. Sonographic monitoring of the splenic macronodule for evidence of progression with initial recheck in 4-6 weeks would be a more conservative approach.



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**SPECIES**

Canine

**BREED**

Papillon

**SEX**

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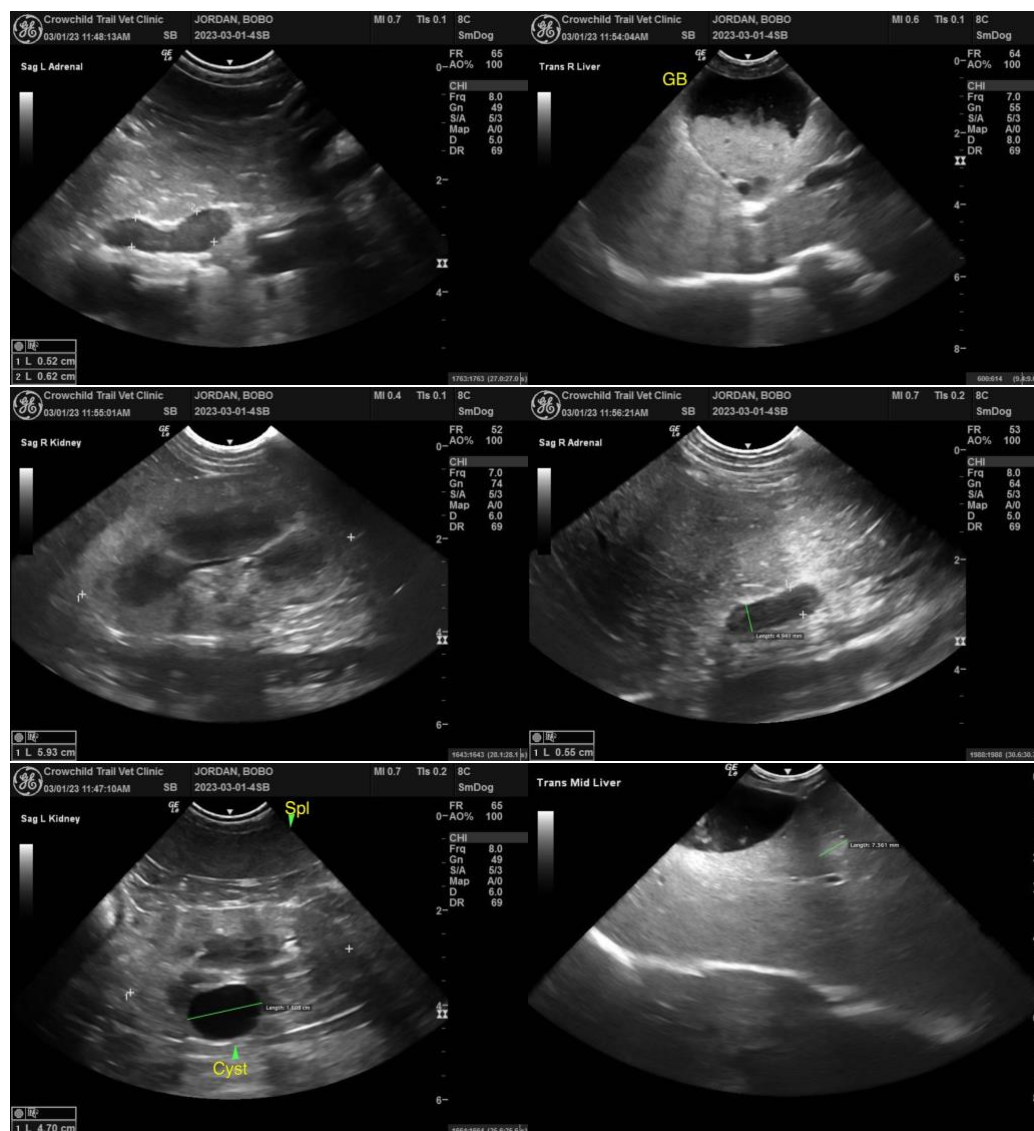
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**PATIENT**

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**SPECIES**

Canine

**BREED**

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**SEX**

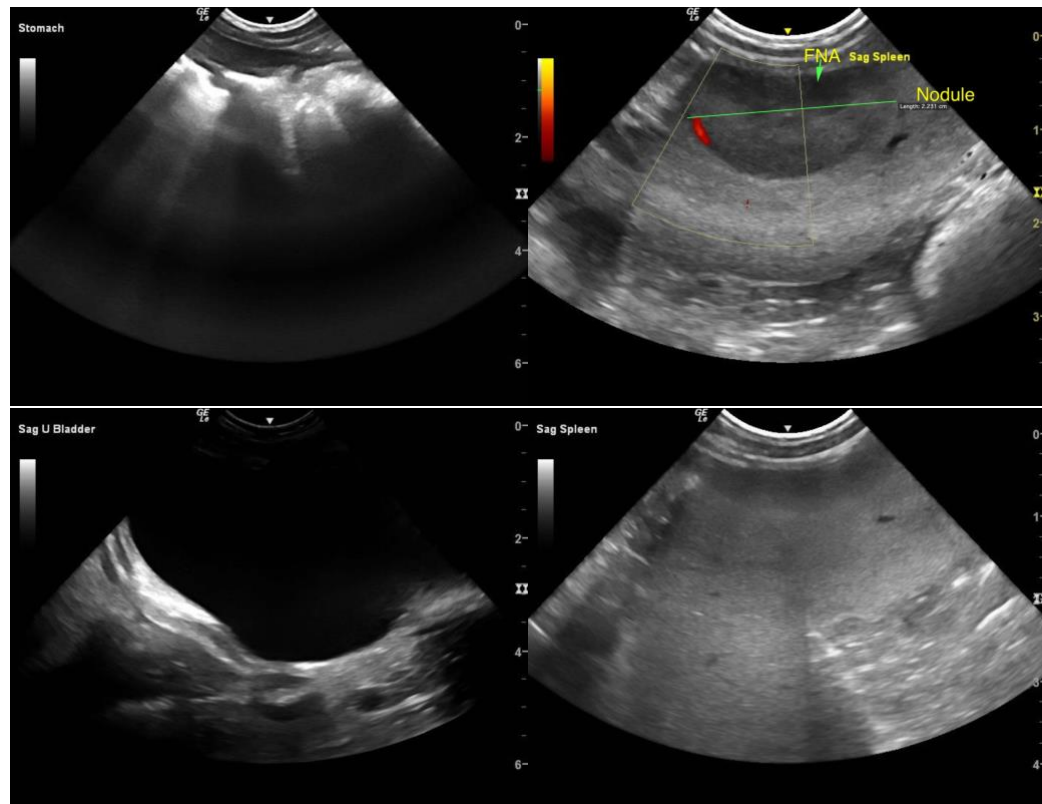
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**  
info@SonoPath.com