



**PATIENT PRESENTING CLINICAL SIGNS**

**Tootsie Schaffer**  
**SPECIES** History: Recent incidental finding of mild, stable non-regenerative anemia (Hct 37%, historically she is ~ 48%). Also, hx of very mild, chronic ALT elevation, most recently 188. Had IMHA many years ago, no evidence of IMHA now. Looking for evidence of bleeding, making sure there's no contraindication for NSAIDs for arthritis.

Canine

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Mixed Urinary System**

**SEX**

Female Spayed

The urinary bladder is moderately distended with anechoic urine, and no luminal sediment is present. The ureteral papillae, trigone and pelvic urethra are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted. The urethra is not visualized due to its intrapelvic location.

**AGE**

13 years

Both kidneys are hyperechoic and exhibit moderately decreased cortico-medullary differentiation. There is no evidence of nephrolithiasis, mineralization, pyelectasia or hydronephrosis. The proximal ureters are not visible (normal). The left kidney is 6.7 cm in length. The right kidney is 6.5 cm in length.

**WEIGHT**

45 lbs

**Adrenal Glands**

The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland height is 7.5 mm at the cranial pole and 6.8 mm at the caudal pole. The right adrenal gland height is 6.5 mm at the cranial pole and 8.3 mm at the caudal pole.

**INTERPRETED BY**

Tam Mengine, DVM,  
DABVP (canine/feline  
practice)

**Spleen**

Two hypoechoic nodules are noted, both measuring <1.0 cm in diameter (one in the head of the spleen / one in the tail of the spleen). They do not disrupt the splenic capsule. The surrounding omentum is normal. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

**IMAGING PERFORMED BY**

Dr. Tam Mengine

**Liver**

The liver is diffusely hyperechoic. There is a hypoechoic nodule noted in the left caudal lobe, measuring up to 5.0 mm in diameter. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

**HOSPITAL NAME**

Stoney Creek VH

**REFERRING VET**

Tam Mengine

The gallbladder is moderately distended with anechoic contents and a small amount of freely-moveable echogenic sludge. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

**Gastrointestinal**

The stomach is empty. The gastric wall is subjectively normal in thickness, and exhibits appropriate wall layering, but cannot be accurately measured due to normal deviations of the rugal folds. The pylorus is of normal appearance.

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The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. The duodenal wall measures 4.5 mm. The jejunal wall measures up to 4.6 mm. Intestinal motility appears normal.

**DATE**

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The visible portions of the colon are of normal thickness, up to 1.5 mm, with intact wall layering. The ileocecal junction is visualized and appears normal.



**PATIENT** *Pancreas*

Tootsie Schaffer

The areas of the limbs and body of the pancreas are isoechoic to the surrounding mesenteric fat, with normal capsular appearance. There is no evidence of peripancreatic inflammation. The pancreatic duct appears normal.

**SPECIES**

Canine

*Free Abdomen*

There is no evidence of free fluid within the peritoneal cavity. The omentum and intra-abdominal fat are of appropriate echogenicity. Enlarged abdominal lymph nodes are not observed. The aortic trifurcation has normal blood flow with no evidence of thrombosis.

**BREED**

Mixed

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

**Primary Findings**

Female Spayed

**AGE**

- Small hypoechoic splenic nodules
- Reactive hepatopathy with single hypoechoic nodule

13 years

**WEIGHT**

**Secondary Findings**

45 lbs

- Chronic renal changes

**INTERPRETED BY**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Tam Mengine, DVM,  
DABVP (canine/feline  
practice)

The nodules in both the liver and spleen are nonspecific, and could be associated with benign regeneration, extramedullary hematopoiesis, or less likely, a neoplastic process. Fine-needle aspirate would be necessary for a definitive diagnosis. Alternately, focal ultrasound recheck in 4-6 weeks could be considered to assess for progression.

**IMAGING  
PERFORMED BY**

Dr. Tam Mengine

The changes in the kidneys are consistent with chronic renal disease. Findings should be correlated with laboratory values, IRIS staging and clinical signs.

**HOSPITAL NAME**

Stoney Creek VH

There is no definitive cause found for the reported anemia. Chest radiographs, and potentially a bone marrow biopsy should be considered, particularly if the anemia progresses.

**REFERRING VET**

Tam Mengine

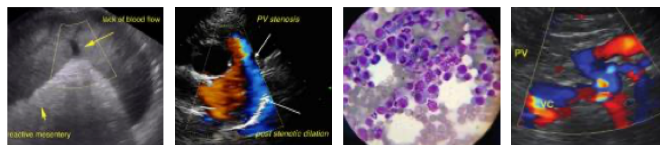
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**PATIENT**

Tootsie Schaffer

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

Female Spayed

**AGE**

13 years

**WEIGHT**

45 lbs

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**IMAGING  
PERFORMED BY**

Dr. Tam Mengine

**HOSPITAL NAME**

Stoney Creek VH

**REFERRING VET**

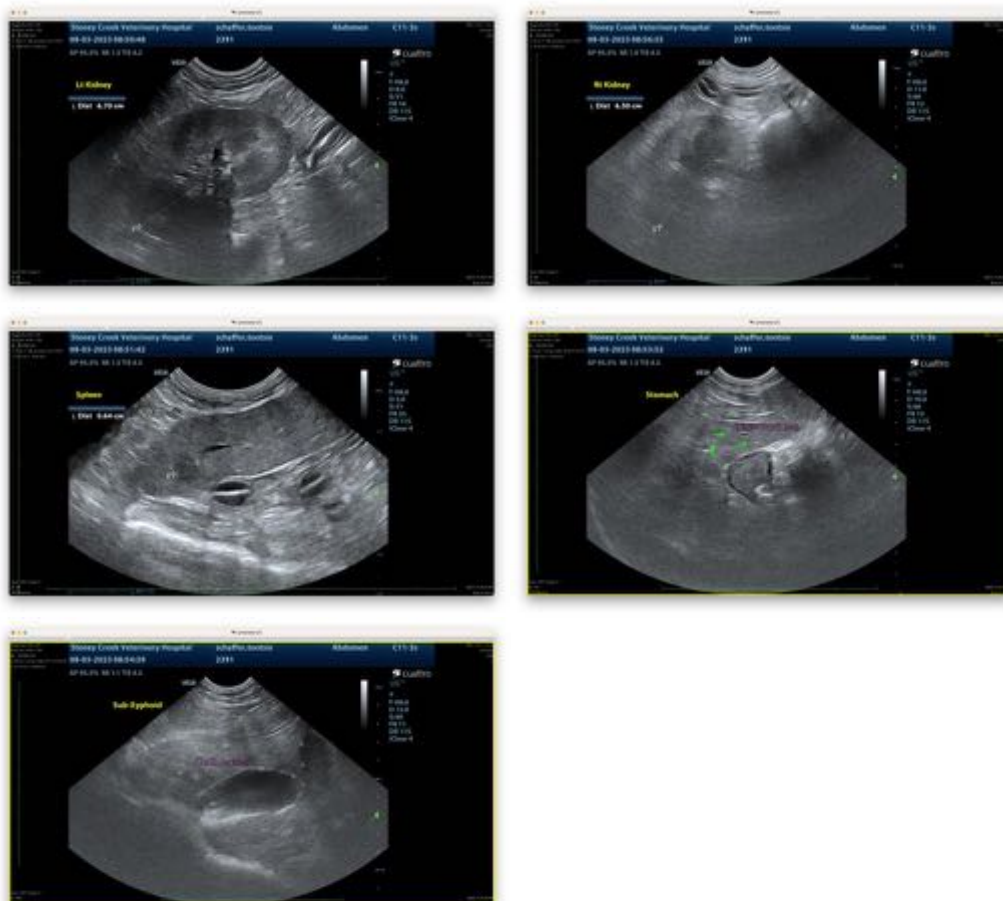
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Tam Mengine, DVM, DABVP (canine/feline practice) info@SonoPath.com