



**PATIENT**

Napolean Torstrom

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Neutered Male

**AGE**

6 Years

**WEIGHT**

89.6 lbs

**INTERPRETED BY**

Greg Kuhlman, DVM,  
DACVIM (SAIM)

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Paws Animal Hospital

**REFERRING VET**

Dr. Johnson

**INVOICE**

73309

**DATE**

2/26/26

**PRESENTING CLINICAL SIGNS**

Clinical Exam Findings: Seen on emergency on 2/5/26 for vomiting multiple times. A possible spleen associated mass effect was noted on in the upper ventral abdomen on a lateral abdominal radiograph. No longer vomiting at appointment on 2/15/26. Sedated with Dex and Torb.

ABNORMAL Labwork Values: None. Current Medications: None

Radiographic Findings: A possible spleen associated mass effect was noted on in the upper ventral abdomen.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen. Urethral papillae are not seen.

The right kidney presents normal size (7.7 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.

The left kidney presents normal size (8.0 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.

**Adrenal Glands**

The right adrenal gland is diffusely enlarged, measuring 1.2 cm at the caudal pole and 1.6 cm at the cranial pole.

The left adrenal gland is not seen on this exam.

**Spleen**

The spleen appears normal in echogenicity and echotexture. It appears diffusely enlarged, which is most likely breed related. No masses seen in the spleen. The spleen appears otherwise normal.

**Liver**

Within the left liver there is an isoechoic lesion present that measures 4.0 cm x 3.5 cm. This mass is isoechoic and is displacing the capsule. The remainder of the liver appears normal.

The gallbladder presents normal size with anechoic contents. Normal gallbladder wall. No evidence of bile duct distention or obstruction.

**Gastrointestinal**

The stomach and intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.

**Pancreas**

The visible pancreas is normal in size with normal echogenic parenchyma and surrounded by normal peri-pancreatic mesentery.



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**Free Abdomen**

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

**ULTRASONOGRAPHIC FINDINGS**

- Isoechoic capsule displacing mass lesion in the left liver – Most likely a primary hepatobiliary mass such as hepatocellular carcinoma or hepatocellular adenoma, less likely hemangiosarcoma or round cell neoplasia, and much less likely a regenerative hepatic nodule.
- Enlarged spleen, likely breed related.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Recommend a fine needle aspirate of the liver mass lesion and submission for cytology. If cytology is inconclusive as to the etiology of the mass, then recommend CT scan of the abdomen as pre-surgical planning for liver mass resection, and submission for histopathology. Given the location of the mass, prognosis is open pending determination as to the etiology.





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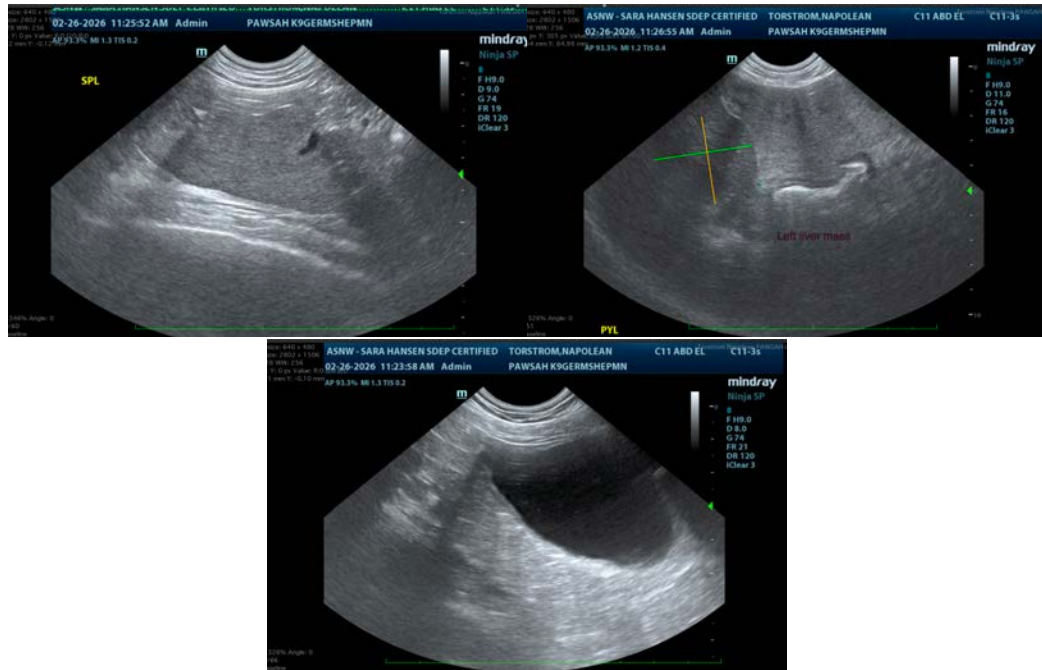
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Greg Kuhlman, DVM, DACVIM (SAIM)

Veterinary Internal Medicine Specialist  
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