

**PATIENT PRESENTING CLINICAL SIGNS**

Jack Morden History: P has spindle cell mass on left hip.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Current Medications None Radiographic Findings  
Radiographs showed possible mass on spleen.

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Shepherd Mix The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

**SEX**

MN

**AGE**

10yr

Normal size and margination was 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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.1 cm in length. The right kidney measured 5.5 cm in length.

**WEIGHT**

49.4lb

The area of the aortic trifurcation was free of pathology.

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

**INTERPRETED BY**

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

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.72 cm width at the caudal pole and 2.4 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.88 cm width at the caudal pole and 3.0 cm width at the cranial pole.

**IMAGING PERFORMED BY**

Sara Hansen

**Spleen**

The spleen exhibited a moderately expansive spherical mildly non-homogeneous isoechoic mass in the mid to cranial spleen measuring ~ 3.7 cm in diameter. The mass appeared to distort the lateral splenic capsule with no evidence of escape. Intermittent non-expansive small hypoechoic separate splenic nodules were present, an example measuring 0.42 cm in diameter. The peri-splenic omentum was of uniform echogenicity.

**HOSPITAL NAME**

Edgewood AC

**REFERRING VET**

Dr. Callahan

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.

**INVOICE**

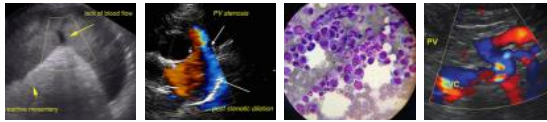
11436ag

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mildly hyperechoic non-organized debris. The cystic and common bile ducts were normal.

**DATE**

08/19/2022

**Gastrointestinal**



**PATIENT**

Jack Morden

**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

MN

**AGE**

10yr

**WEIGHT**

49.4lb

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Edgewood AC

**REFERRING VET**

Dr. Callahan

**INVOICE**

11436ag

**DATE**

08/19/2022

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

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**

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

**ULTRASONOGRAPHIC FINDINGS**

- Moderately expansive solid splenic mass with concurrent splenic nodules
- Minor vacuolar hepatopathy pattern-benign
- Hyperechoic non-organized gallbladder debris (non-mucocele)
- Mild age-related kidneys

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The splenic mass is nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other).

Assuming normal clotting status and using a 25g needle a splenic mass FNA is recommended for screening cytology and potential for oncology consult.

Three view chest radiographs suggested if not done to assess for thoracic pathology. Splenectomy could be considered without additional evidence of intra-abdominal metastasis.



**PATIENT**

Jack Morden

**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

MN

**AGE**

10yr

**WEIGHT**

49.4lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Edgewood AC

**REFERRING VET**

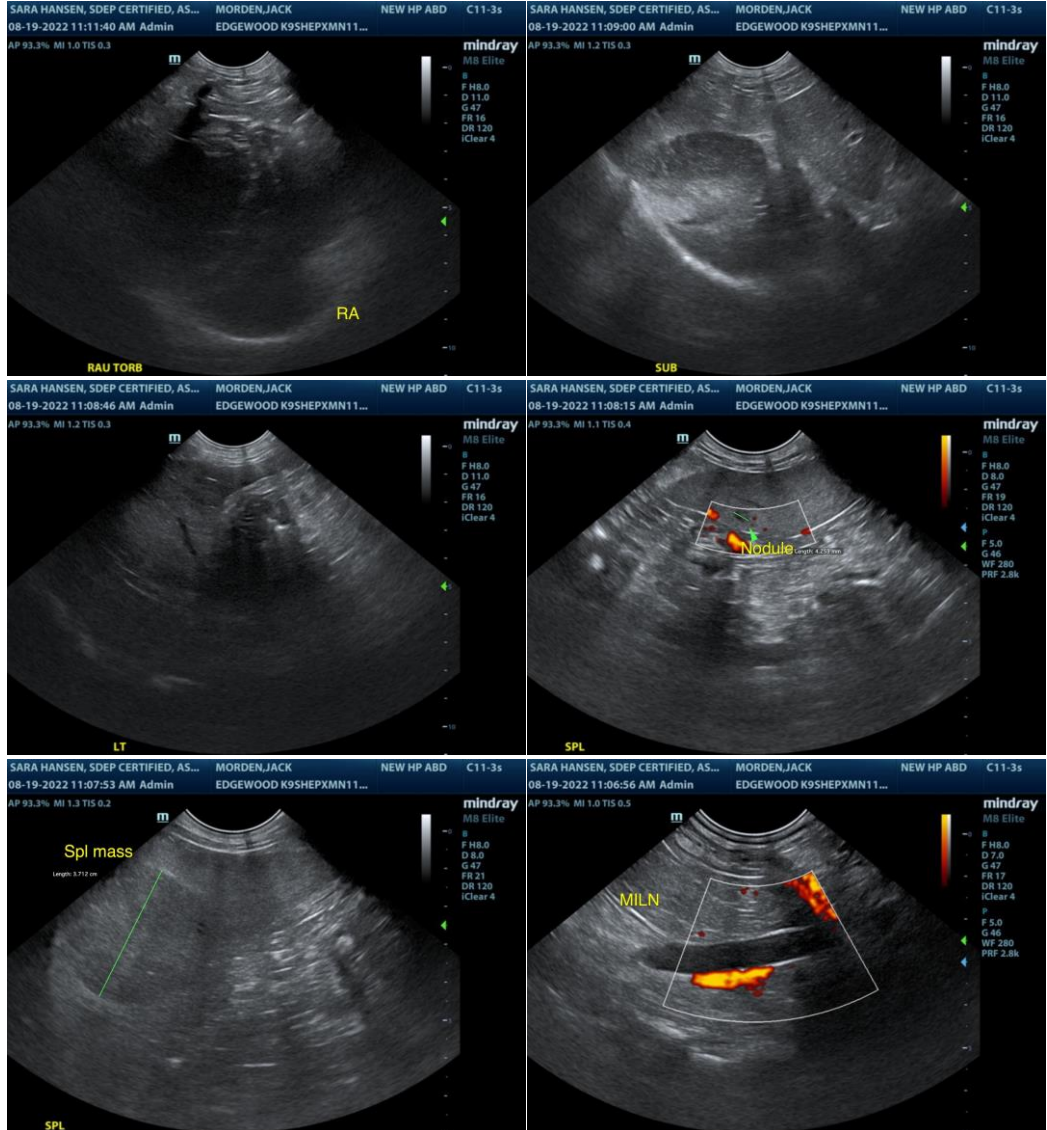
Dr. Callahan

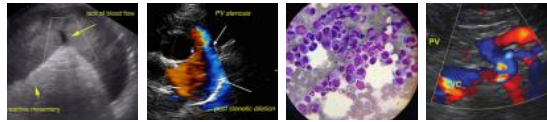
**INVOICE**

11436ag

**DATE**

08/19/2022





**PATIENT**

Jack Morden

**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

MN

**AGE**

10yr

**WEIGHT**

49.4lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Edgewood AC

**REFERRING VET**

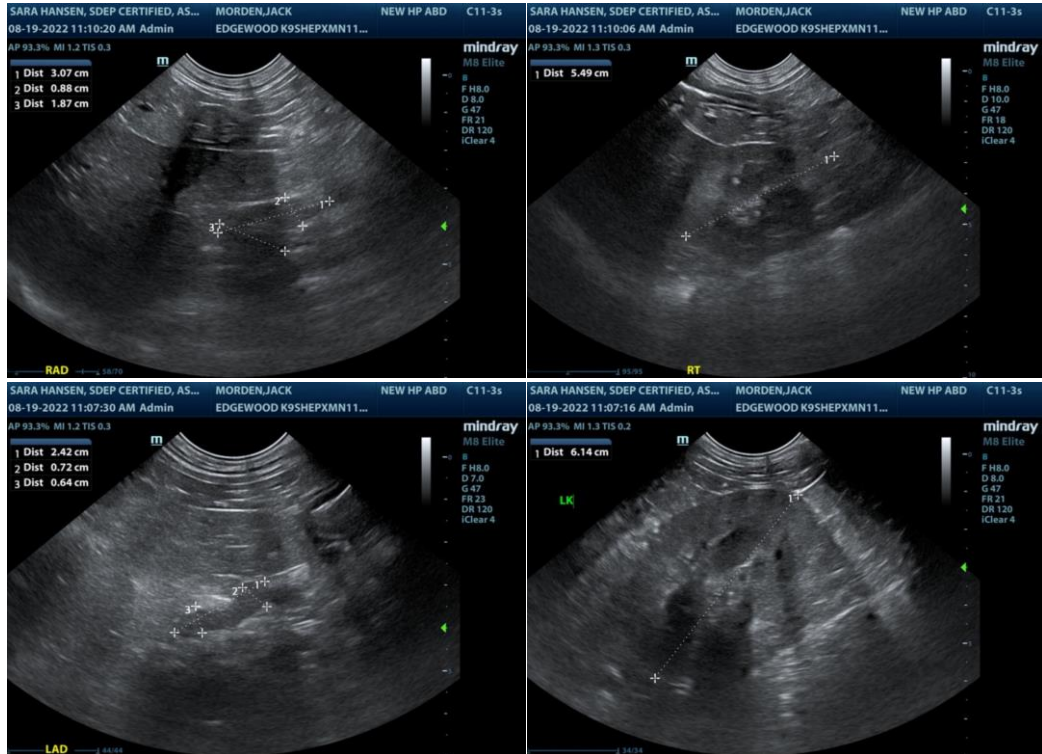
Dr. Callahan

**INVOICE**

11436ag

**DATE**

08/19/2022



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com