



PATIENT

Thor Semmens

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

7 Years

WEIGHT

53.8 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Casulli

INVOICE

34016

DATE

1/6/22

PRESENTING CLINICAL SIGNS

possible splenic mass noted on rads; distended abdomen
Abnormal PE/Chem/CBC/UA Results: BUN 5, glob 4.7, chol 84, RBC 5.34, HCT 30.5%, HGB 10.4, retics 19, monos 1.81, PCT 0.52, MCV 57.1, MCH 19.5, RDW 24.6

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. Apical urinary bladder wall measured 0.82 cm in width. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present.

The residual prostate was free of pathology.

The area of the aortic trifurcation was free of pathology.

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 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 7.3 cm. The right kidney measured 7.3 cm.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.2 cm length x 0.51 cm at the caudal pole. The left adrenal gland measured 2.3 cm length x 0.54 cm at the caudal pole.

Spleen

A large, mildly non-homogeneous, nodular to focally cystic mass occupied the majority of the mid abdomen, directly effacing and likely originating from the spleen. The mass measured at least 12-13 cm in diameter, but was potentially larger, as the entire mass would not fit into a single viewing window. The mass exhibited similar echogenicity and echotexture compared to adjacent discernable spleen, exhibiting subtle splenic parenchyma heterogeneity. Regional non-uniform echogenic to focally hyperechoic omentum surrounding the mass was present. Overt evidence of lymphadenopathy was not noted, yet cannot be definitively excluded. Moderate volume peritoneal free fluid exhibiting mild cellular component was present.

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

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. Minor retained non-shadowing ingesta/chyme present in the stomach.

The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. A segmental to diffuse



PATIENT

Thor Semmens

ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material.

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

SPECIES

Canine

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

BREED

Mixed

Heart

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

SEX

Neutered Male

PRIMARY FINDINGS

- Large abdominal mass directly effacing the spleen, exhibiting similar echogenicity/echotexture to discernable splenic parenchyma – splenic mass likely with considerations including neoplasia such as sarcoma (favored in this case), hyperplasia, hematopoiesis, granuloma, severe splenitis possible yet considered less likely.
- Regional non-uniform to focally hyperechoic omentum surrounding the mass – Associated peritonitis/steatitis, focal omental adhesions to the mass or fibrosis suspected, while potential regional omental neoplastic seeding cannot be excluded.
- Moderate volume peritoneal free fluid – suspect concurrent hemoabdomen.
- Sonographically unremarkable liver

AGE

7 Years

WEIGHT

53.8 Pounds

SECONDARY FINDINGS

- Mild cystitis pattern
- Bilateral mild chronic renal changes
- Suspect mild gastroenteritis

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Aside from non-uniformly echogenic to focally hyperechoic omentum around the mass, overt evidence of intraabdominal or pericardial metastasis was not evident. However, in these cases, potential for non-sonographically evident metastasis or micrometastasis cannot be definitively excluded. Likewise, the possibility of regional omental seeding around the mass is of concern, although not definitive. Assuming no evidence of thoracic pathology/metastasis on 3-view chest radiographs, laparotomy with expectation toward splenectomy, gross inspection of the liver and omentum may be considered depending on patient stability. Overall, very guarded prognosis indicated.

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Casulli

INVOICE

34016

DATE

1/6/22





PATIENT

Thor Semmens

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

7 Years

WEIGHT

53.8 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

ACC Flanders

REFERRING VET

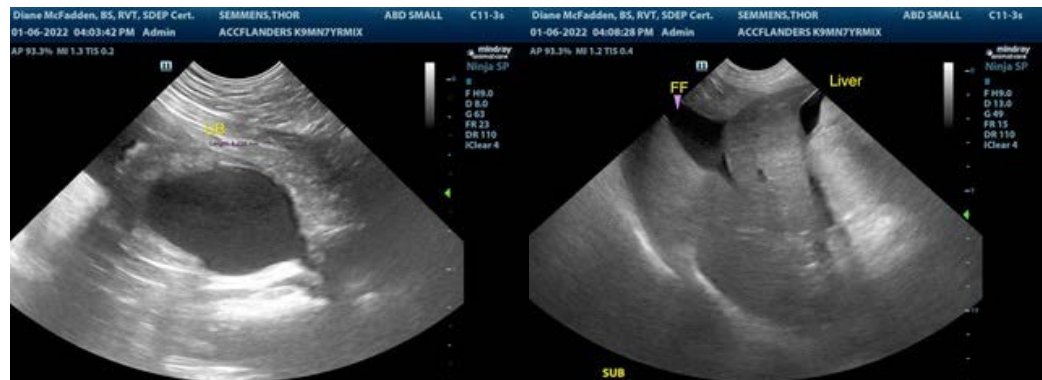
Dr. Casulli

INVOICE

34016

DATE

1/6/22





PATIENT

Thor Semmens

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.

SPECIES

Canine

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.

BREED

Mixed

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

SEX

Neutered Male

AGE

7 Years

WEIGHT

53.8 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Diane McFadden

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Casulli

INVOICE

34016

DATE

1/6/22