



PATIENT PRESENTING CLINICAL SIGNS

Jasper Makareiva

SPECIES

Canine

BREED

Doodle

- Cataract in both eyes
- - Multiple lumps
- - Heart murmur
- - Panting abdominal breathing
- - Vomiting
- - Otherwise, normal systems
- (Clinical exam done at Toronto Central Animal Clinic)
- Current Medications: Clavaseptin 500mg (1 tablet bid), Furosemide 40mg

SEX

Neutered Male

Abnormal PE/Chem/CBC/UA Results: Values - WBC 26.09 (Reg. 5.05 - 16.76) - NEU 23.11 (Reg. 2.95 - 11.64) - EOS 0.01 (Reg. 0.06 - 1.23) - MPV 17.8 (Reg. 8.7 - 13.2) - ALT 420 (Reg. 10 - 125) - TT4 9 (Reg. 13 - 51) Radiographic Findings - Large abdominal mass; - Positive liver abscess. Primary Question to Be Answered in This Exam What is the clear diagnosis for Jasper? Does he have cancer (hemangiosarcoma) or an abscess, and is he in critical condition? BW and rads attached

AGE

12 Years

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

WEIGHT

30 kg

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 change were noted.

INTERPRETED BY

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

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 7.1 cm in length. The right kidney measured 7.1 cm in length.

IMAGING PERFORMED BY

Amanda Stewart

Adrenal Glands

HOSPITAL NAME

Hawkins Animal Hospital

The left and right adrenal glands were not definitively visualized owing to increased periadrenal omental artifact.

REFERRING VET

Dr. DaCosta

Spleen

A mass involving the spleen with secondary asymmetrical capsule expansion and disruption was present in the cranial spleen and measured approximately 8.0 cm in diameter. The parenchyma of the mass was heterogeneous to mixed echogenic with areas of cavitation. The remainder of the spleen exhibited normal size, capsule asymmetry and mild heterogeneous parenchyma. Normal splenic vascularity was present.

INVOICE

14297

Liver & Gallbladder

DATE

03/13/26

The liver exhibited nonhomogenous parenchyma with multifocal variably expansive mildly cystic nonhomogenous intraparenchymal nodules to small masses. An example of a nodule or small mass measured 3.0 cm to 4.0 cm in diameter. Associated asymmetrical hepatic capsule contour and normal vascular volume.



PATIENT

Jasper Makareiva

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

SPECIES

Canine

Gastrointestinal

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.

BREED

Doodle

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.

SEX

Neutered Male

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.

AGE

12 Years

Free Abdomen

No visualized significant omental lymphadenopathy was present. Moderate volume of mildly echogenic peritoneal effusion was present. Perisplenic nonhomogenous hyperechoic omentum.

WEIGHT

30 kg

Rapid view revealed no obvious cardiac tumors or pericardial effusion.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Cavitated splenic mass.
- Multiple variably expansive nonhomogenous to cavitated appearing hepatic nodules/masses.
- Mildly echogenic peritoneal effusion and perisplenic nonuniform hyperechoic omentum.
- Age-related renal changes.

IMAGING PERFORMED BY

Amanda Stewart

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, multicentric hepatosplenic neoplastic criteria is met with probable primary splenic tumor and multicentric hepatic metastasis consistent with multi-centric hemangiosarcoma. Curative surgical options are precluded. An unfavorable prognosis is indicated.

HOSPITAL NAME

Hawkins Animal
 Hospital

REFERRING VET

Dr. DaCosta

INVOICE

14297

DATE

03/13/26





PATIENT

Jasper Makareiva

SPECIES

Canine

BREED

Doodle

SEX

Neutered Male

AGE

12 Years

WEIGHT

30 kg

INTERPRETED BY

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

**IMAGING
 PERFORMED BY**

Amanda Stewart

HOSPITAL NAME

Hawkins Animal
 Hospital

REFERRING VET

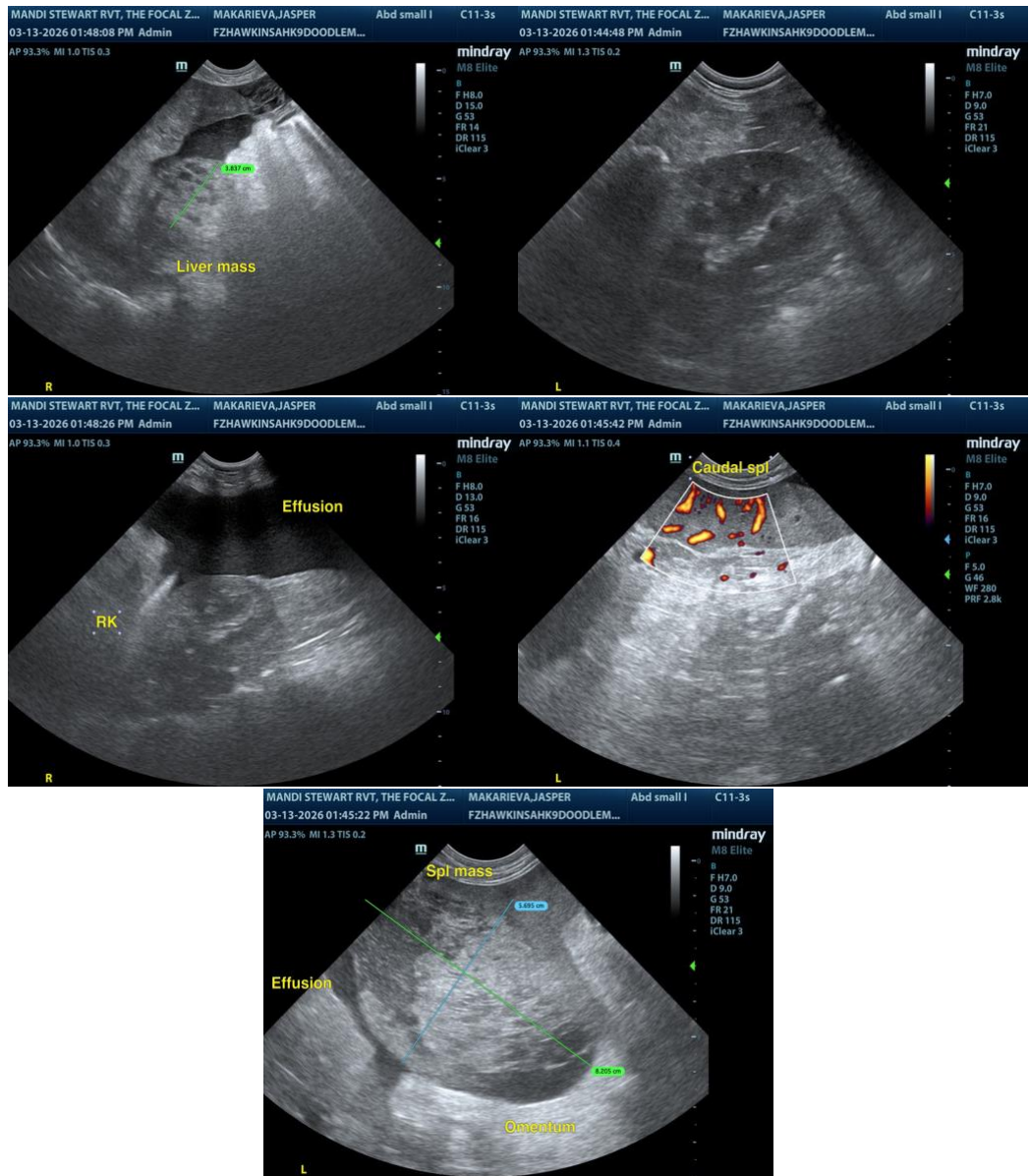
Dr. DaCosta

INVOICE

14297

DATE

03/13/26



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