



PATIENT

Bruno Mars Bars
McGowen

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

7.5 Years

WEIGHT

45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Celine Ward

HOSPITAL NAME

Kenora VC

REFERRING VET

Dr. Celine Ward

INVOICE

13807

DATE

2/4/22

PRESENTING CLINICAL SIGNS

History: Hx of allergies, on Apoquel for maintenance therapy Presented Jan 2022 for coughing, inappetance, weight loss, multifocal oozing sores on hind legs. Generalized lymphadenomegaly, rectal temp 38.0C. PUPD.

Abnormal PE/Chem/CBC/UA Results: CBC mild anemia Chem mild elevation creat, mod hypercalcemia, mod hyperglobulinemia 4dx neg blasto antigen test - neg abdominal rads - possible Si displacement craniodorsally, gassy intestines, no obvious mass seen but splenic borders possibly rounded, possible mass effect LN aspirates sent to pathologist - reactive lymphoid hyperplasia with plasma cell hyperplasia and increased macrophage infiltrates.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. The bladder was significantly distended with anechoic urine. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed nonspecific increased cortical echogenicity. Slight areas of pinpoint mineralization present. Blood flow appears subjectively subnormal. Trace pyelectasia was noted in the left kidney. The left kidney measured 6.5 cm each. The right kidney revealed similar changes to the left. The right kidney measured 6.0 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.6 cm. The right adrenal gland measured 1.2 cm at the cranial pole and 0.6 cm at the caudal pole.

Spleen

The **spleen** revealed minor heterogeneous changes. No overt masses were present. Cranial folding of the spleen was noted. Some echogenic changes were noted in the body of the splenic vein, consistent with thrombosis, however, power doppler assessment of the mid body of the spleen would be necessary to assess.

Liver

The **liver** itself was unremarkable. The gallbladder was overdistended with excessive debris, consistent with emerging mucocele formation yet no striation present.

Gastrointestinal

The **stomach** was overdistended with anechoic fluid. The small intestine and colon were unremarkable.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.



PATIENT

Bruno Mars Bars
McGowen

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

7.5 Years

WEIGHT

45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Celine Ward

HOSPITAL NAME

Kenora VC

REFERRING VET

Dr. Celine Ward

INVOICE

13807

DATE

2/4/22

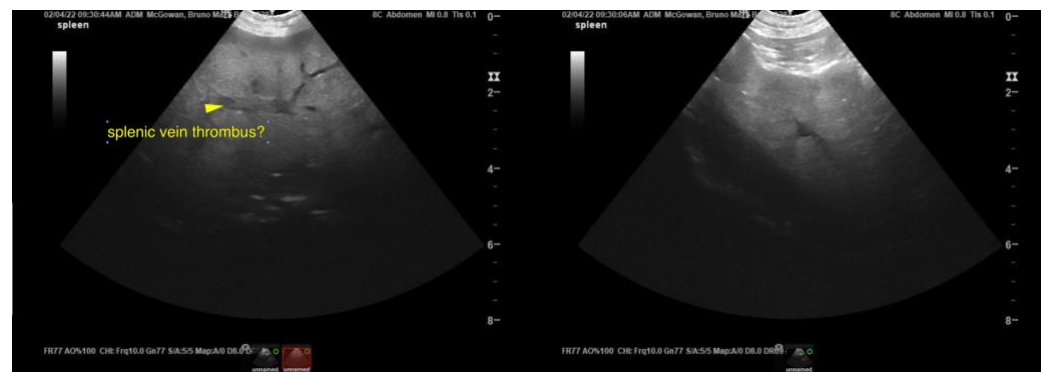
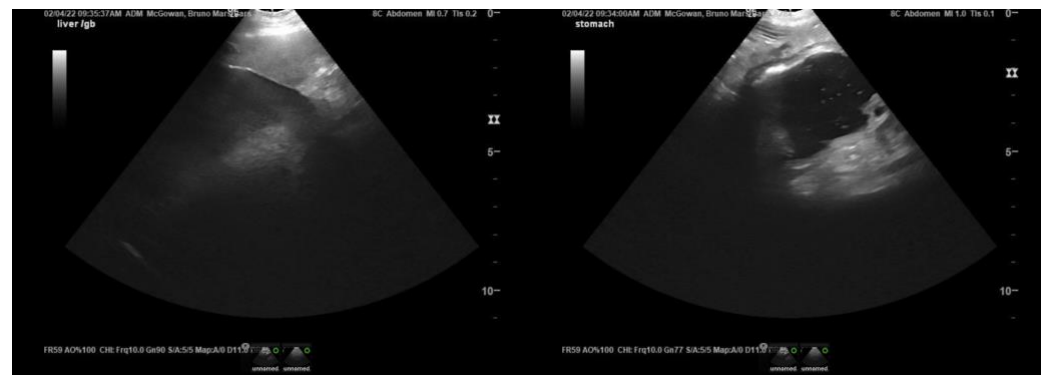
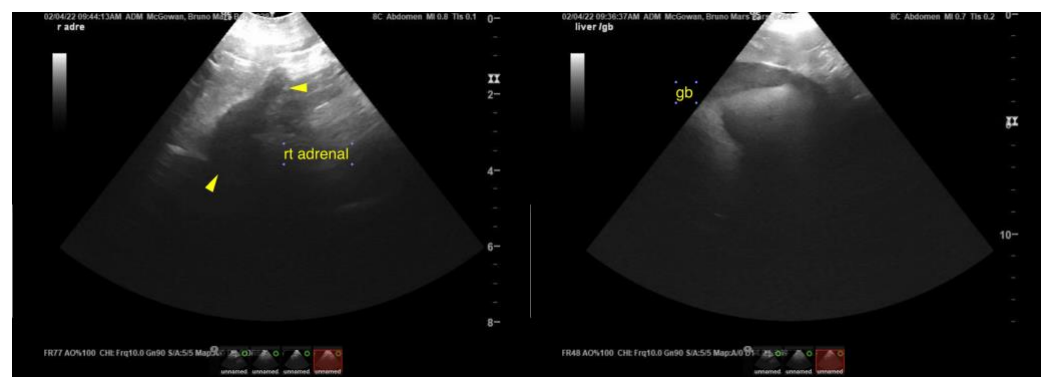
ULTRASONOGRAPHIC FINDINGS

- Nonspecific heterogeneous splenic changes, possible splenic thrombus
- Emerging gallbladder mucocele
- Chronic renal changes
- Stomach overdistended with anechoic fluid

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No obvious masses. Systemic disease is suspected in this patient. FNA of the spleen could be considered to ensure and underlying lymphoma is not emerging. Ursodiol therapy warranted. Further doppler assessment of the body of the spleen warranted to assess for thrombosis, if confirmed, then full coagulation panel warranted, including D dimers and FDP evaluation.

*Far field of the images were dark in this patient.





PATIENT

Bruno Mars Bars
McGowen

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

7.5 Years

WEIGHT

45 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Celine Ward

HOSPITAL NAME

Kenora VC

REFERRING VET

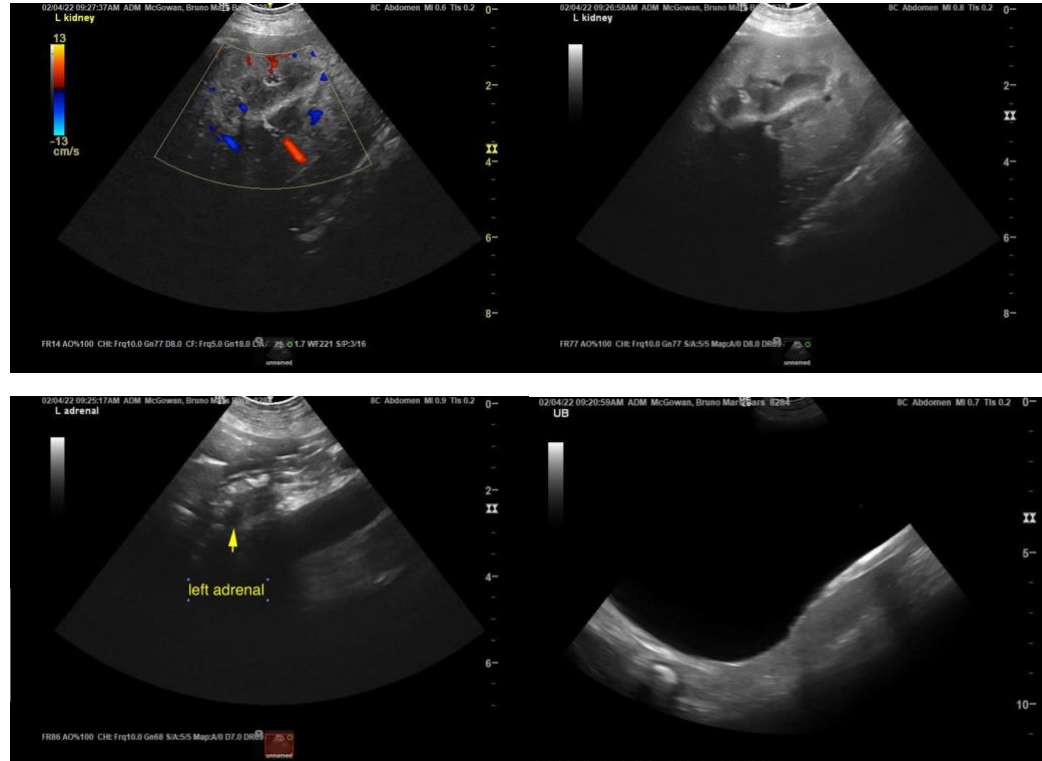
Dr. Celine Ward

INVOICE

13807

DATE

2/4/22



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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com