



PATIENT

Mac Robinson

PRESENTING CLINICAL SIGNS

Presented for 4-5 day duration of hyporexia; Energy level WNL; Fell this am and didn't move for a few minutes; No current meds

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: pendulous abdomen with fluid wave CBC - normocytic normochromic regenerative anemia; thrombocytopenia Severely elevated PTT Chem - 1800 ALT

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

GSD

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 minor particulate sediment. The sediment may indicate cellular debris / protein, crystalline debris, lipid, or mucus. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MI

AGE

8

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. Bilateral non-homogenous mildly expansive lateral nodules were present, an example of a RK nodule measured 1.5 cm, an example of a LK nodule measured 1.7 cm in diameter. Within the area of the left kidney a non-homogenous mildly irregular mass potentially in the left retroperitoneal space was present, possibly originating from or invading the left kidney. The mass in the area of the left kidney measured 3.4 cm in diameter. The left kidney measured 7.5 cm in length. The right kidney measured 8.0 cm in length.

WEIGHT

93

INTERPRETED BY

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

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy or masses. Subjective normal to adequate blood flow on color Doppler assessment of the iliac trifurcation was present.

The residual prostate was not definitively visualized.

IMAGING PERFORMED BY

Adrienne Waffle

Adrenal Glands

The left and right adrenal glands were not definitively visualized. No obvious pathology was present in the area of the bilateral adrenal glands.

HOSPITAL NAME

Bay Area Pet Hospital

Spleen

The spleen exhibited normal size and areas of capsule symmetry with generalized mild parenchymal heterogeneity. Intermittent variably sized to variably echogenic mildly expansive splenic nodules were present, an example measured 1.5 cm in diameter.

REFERRING VET

Bay Area Pet Hospital

Liver/Gallbladder

The liver was moderately enlarged with asymmetrical capsule contour and generalized moderate non-homogenous parenchyma. Multiple variably sized to variably echogenic intraparenchymal nodules to masses were present, an example measured 3.6 cm in diameter. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

INVOICE

14485ag

DATE

08/07/2023



PATIENT

Gastrointestinal

Mac Robinson

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate variably echogenic ingesta with no signs of ileus, obstruction or foreign material.

SPECIES

Canine

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.

BREED

Pancreas

GSD

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.

SEX

MI

Free Abdomen

A non-specific mildly non-homogenous to hypoechoic mass was present in the mid ventral abdomen measuring 4.5 cm in diameter.

AGE

8

Marked volume peritoneal effusion exhibiting echogenic changes consistent with effusion cellularity was present.

Generalized variably hyperechoic omentum was present.

WEIGHT

93

ULTRASONOGRAPHIC FINDINGS

- Intermittent variably sized to variably echogenic splenic nodules.
- Enlarged irregular non-homogenous liver with multiple nodules/masses.
- Bilateral renal nodules with ill-defined non-homogenous mass in the area of the left kidney.
- Unspecified non-homogenous hypoechoic mass in the mid ventral abdomen, possible mesenteric lymphadenopathy.
- Marked volume echogenic peritoneal effusion-suspect hemoabdomen.

INTERPRETED BY

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

Secondary

- Non-specific variably echogenic gastric ingesta-suggestive of food, some degree of metabolic/functional gastric hypomotility if documented NPO possible. Gastric foreign material considered less likely.

IMAGING PERFORMED BY

Adrienne Waffle

HOSPITAL NAME

Bay Area Pet Hospital

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, multicentric pathology sonographically consistent with multicentric neoplastic criteria is present. Primary concern for carcinomatosis, lymphomatosis or similar. Ideally effusion analysis cytology as well as FNS of the liver intra-abdominal mass lesion with potential for oncology consult recommended yet at this stage, likely precluded given significantly abnormal clotting status, anemia and thrombocytopenia. Three view chest radiographs are recommended if not done to assess for occult thoracic pathology.

REFERRING VET

Bay Area Pet Hospital

INVOICE

14485ag

Stabilization which may include vit K therapy, fresh frozen plasma, +/- transfusion may be considered with reevaluation of anemia, thrombocytopenia and clotting status.

DATE

08/07/2023



PATIENT

However, an unfavorable prognosis is likely indicated.

Mac Robinson

SPECIES

Canine

BREED

GSD

SEX

MI

AGE

8

WEIGHT

93

INTERPRETED BY

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

IMAGING PERFORMED BY

Adrienne Waffle

HOSPITAL NAME

Bay Area Pet Hospital

REFERRING VET

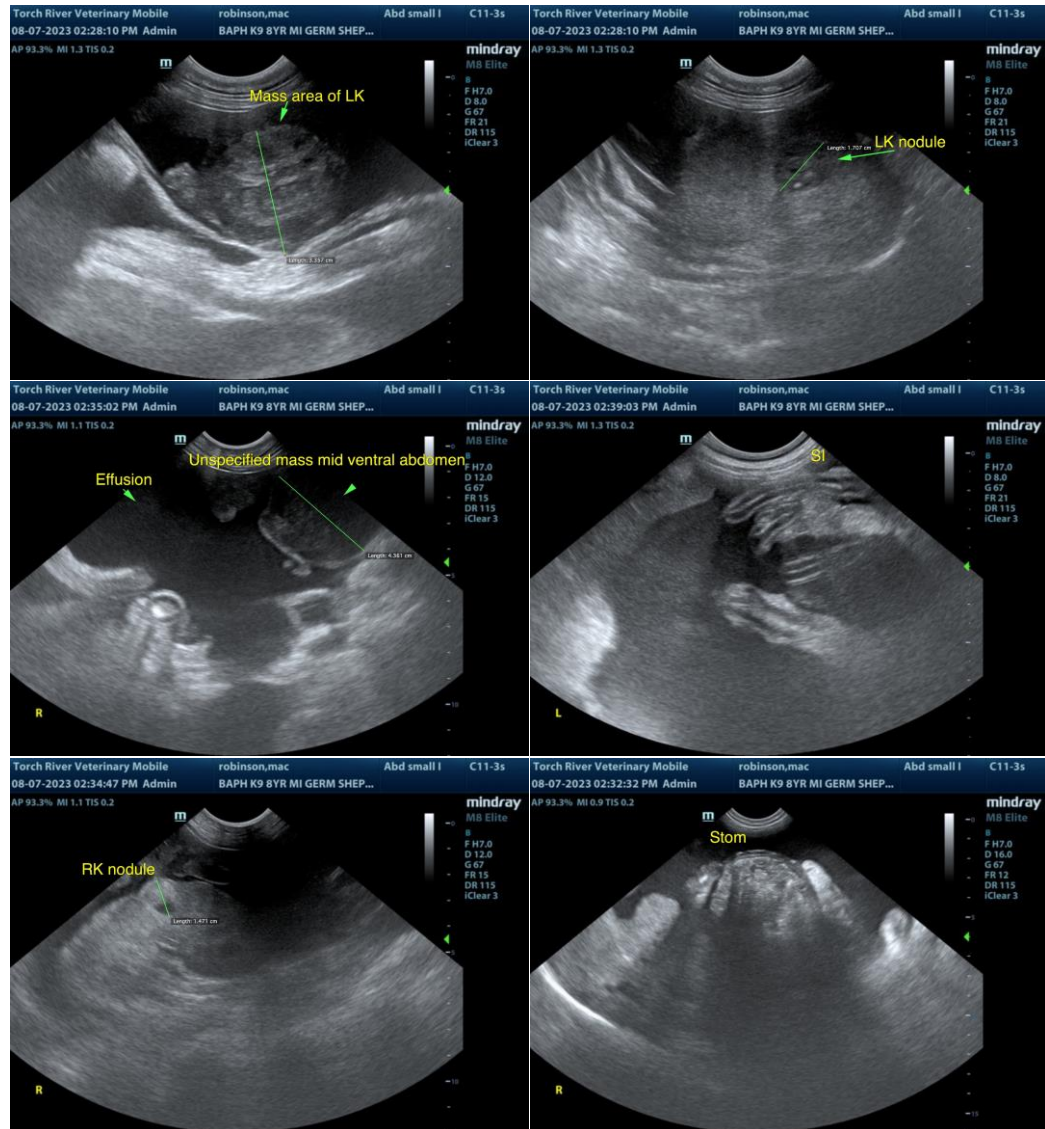
Bay Area Pet Hospital

INVOICE

14485ag

DATE

08/07/2023





PATIENT

Mac Robinson

SPECIES

Canine

BREED

GSD

SEX

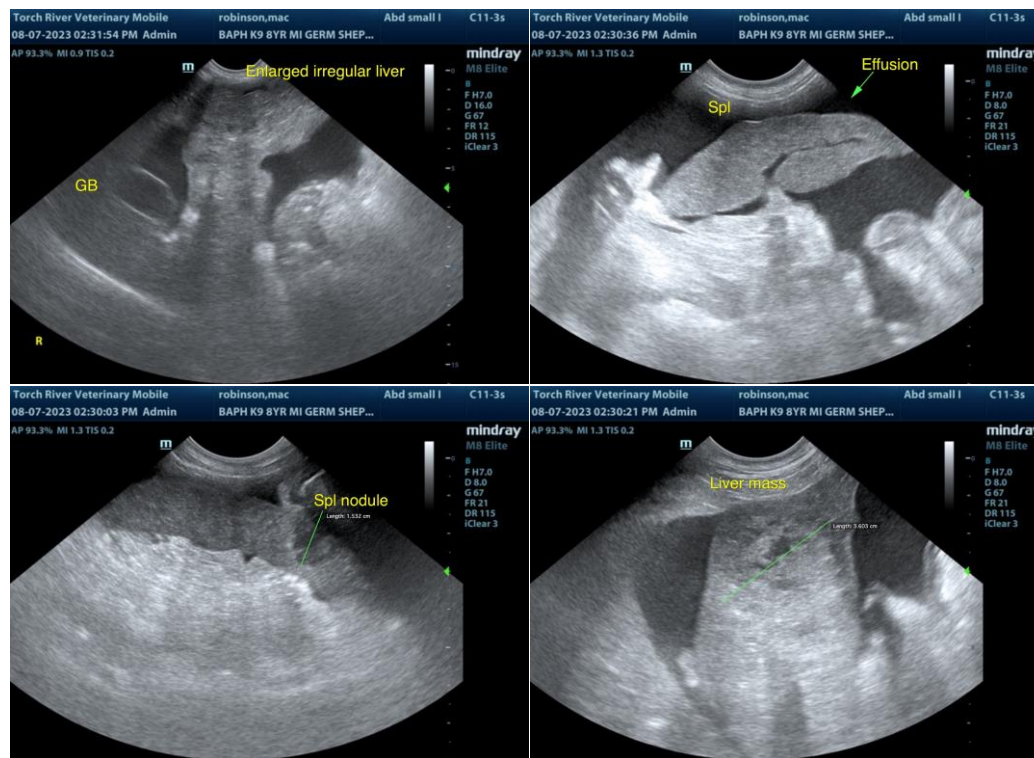
MI

AGE

8

WEIGHT

93



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.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Adrienne Waffle

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

HOSPITAL NAME

Bay Area Pet Hospital

REFERRING VET

Bay Area Pet Hospital

INVOICE

14485ag

DATE

08/07/2023