



PATIENT

Esher Greenberg

SPECIES

Canine

BREED

Bernese/Poodle Mix

SEX

Male Neutered

AGE

10y

WEIGHT

30.2 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Cassie Jackson

HOSPITAL NAME

Huntsville AH

REFERRING VET

Cassie Jackson

INVOICE

13200

DATE

2/12/26

PRESENTING CLINICAL SIGNS

History:

- Presented 1 week ago for lethargy, reduced appetite and lip licking
- Bloodwork done at that time, but no treatments initiated
- Temperature today 40.8C
- Presented again today with continuation of clinical signs above and 1kg weight loss in 1 week
- No V/D/C/S

Abnormal PE/Chem/CBC/UA Results: Hct 0.37 1 week ago now down to 0.31 - Mild non-regenerative anemia - Moderate neutrophilia that has worsened in the last 1 week ago - CRP 97 (0-10) - 1 week ago albumin slightly low, now normal but patient is dehydrated

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 8.1 cm in length. The right kidney measured 8.0 cm in length.

Adrenal Glands

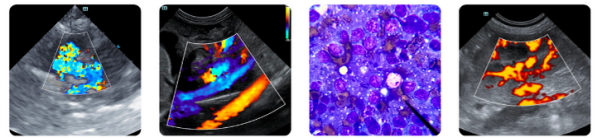
The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.65 cm width at the caudal pole. The right adrenal gland was indistinctly visualized with no obvious pathology subjective measuring 0.46 cm width at the caudal pole. No obvious peritoneal effusion was present.

Spleen

The spleen exhibited multiple to diffuse, variably sized, hypoechoic, expansive splenic nodules were present. An example of larger nodule measured 2.1 cm in diameter.

Liver

The liver presented enlarged in size with normal vascular volume. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. Intermittent, non-capsule deforming, hypoechoic nodules were present with an example measuring 0.8 cm in diameter. The gallbladder was non distended in size with mild, non-organized, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.



PATIENT

Esher Greenberg

SPECIES

Canine

BREED

Bernese/Poodle Mix

SEX

Male Neutered

AGE

10y

WEIGHT

30.2 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Cassie Jackson

HOSPITAL NAME

Huntsville AH

REFERRING VET

Cassie Jackson

INVOICE

13200

DATE

2/12/26

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild, echogenic, non-shadowing ingesta consistent with food echogenicity.

The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. A mild segmental ileus pattern is present without 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

Intermittent, hyperechoic, swollen mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of lymph node measurement was 3.2 cm x 2.2 cm. No obvious peritoneal effusion present.

Heart

No obvious pericardial effusion or visualized cardiac masses on transdiaphragmatic assessment.

ULTRASONOGRAPHIC FINDINGS

- Diffusely nodular spleen
- Hepatomegaly with intraparenchymal nodules
- Structurally hypoechoic to swollen mesenteric lymphadenopathy
- Structurally normal gastrointestinal tract with mild, non-shadowing gastric ingesta and non-obstructive ileus
- Non-organized gallbladder debris (non-mucocele)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, hepatosplenic and lymphatic findings are consistent with multicentric neoplasia, i.e. round cell neoplasia, histiocytic sarcoma or other. Assuming normal clotting status and using 25-gauge needle, hepatosplenic nodule and if accessible, lymph node FNA cytology warranted for further clarification. Staging and oncology consult. No obvious evidence of disruption of gastrointestinal wall layering, although early gastrointestinal involvement may present sonographically normal.



PATIENT

Esher Greenberg

SPECIES

Canine

BREED

Bernese/Poodle Mix

SEX

Male Neutered

AGE

10y

WEIGHT

30.2 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Cassie Jackson

HOSPITAL NAME

Huntsville AH

REFERRING VET

Cassie Jackson

INVOICE

13200

DATE

2/12/26

