



PATIENT

Peanut
Martinez/Lofters

SPECIES

Canine

BREED

Pit Bull X

SEX

Female

AGE

4 Years 11 Months

WEIGHT

48 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Rivera

HOSPITAL NAME

DPC Vet Hospital

REFERRING VET

Dr. Rivera

INVOICE

29863

DATE

11/17/21

PRESENTING CLINICAL SIGNS

Reason for Visit: ADR-INAPPETENT FOR A LONG PERIOD OF TIME/LETHARGY History: APPROX 5YR OLD SPAYED PITBULL PRESENTED FOR ANOREXIA AND LETHARGY. OWNER STATES THAT PET IS BARELY EATING FOR OVER A MONTH. ONLY ONE EPISODE OF VOMITING, BUT SEEMS CONSTIPATED. PET SEEMS DEPRESSED AND SLEEPS MOST THE DAY.

Abnormal PE/Chem/CBC/UA Results: CV/Respiratory: Normal heart rate and rhythm, grade II/VI heart murmur, pulses strong and synchronous, normal bronchovesicular sounds. EENT: Clear OU and AU. No nasal discharge. No cough on tracheal palpation. Oral cavity: Mild dental tartar Musculoskeletal: BCS = 4/9. Ambulatory x 4. Moderate to severe generalized muscle atrophy Uro/Perineum: No significant lesions Abd/GI: Firm, distended, non-painful. No masses or fluid wave palpated Lymph Nodes: Enlarged popliteal Neurological: Alert and appropriate. No significant abnormalities Skin: Good hair coat. No ectoparasites seen Mentation: BAR Hydration: N 1) CBC: RBC 2.74 (5.65-8.87), HCT 19 (37.3-61.7), HGB 6.8 (13.1-20.5), WBC 52.7 (5.05-16.76), NEU 0.35 (2.95-11.64), band suspected, LYM 5.97 (1.05-5.10), MONO 46.38 (0.16-1.12), EOS 0.00 (0.06-1.23), PLT 15 (148-484) 2) CHEM: Ca 7.5 (7.9-12.0), ALB 2.1 (2.3-4.0), ALKP 1062 (23-212), GGT 12 (0-11), CHOL 107 (110-320), LIPA 154 (200-1800) 3) UA: not obtained 4) TT4: < 0.5 (1.0-4.0) 5) SDMA: 29 (0-14) 6) 4dx snap test: Negative

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – 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 were 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 6.3 cm. The right kidney measured 6.9 cm.

Adrenal Glands

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma, measuring 0.60 cm at the cranial pole and 0.52 cm at the caudal pole. The left adrenal gland was not visualized.

Spleen

The spleen was enlarged with symmetrical yet swollen contour. Generalized decreased splenic parenchyma echogenicity noted with focal, non-expansive hypoechoic nodule.

Liver

The liver exhibited generalized enlargement with variable lobar swelling and associated rounded yet symmetrical capsule contour. Generalized decreased hepatic parenchyma echogenicity noted with maintained mild to moderate coarse echotexture. 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 revealed sectorial mild mural thickening with mild decreased mural echogenicity and indistinct wall layering. The stomach contained a mild amount of retained anechoic fluid and luminal gas. Stomach wall measured up to 0.8 cm in width.



PATIENT

Peanut
Martinez/Lofters

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 ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material. Jejunum wall measured 0.45 cm.

SPECIES

Canine

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

Pancreas

BREED

Pit Bull X

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

Free Abdomen

SEX

Female

Multiple enlarged, hypoechoic mesenteric and medial iliac lymph nodes were present. Example of medial iliac lymph node measured 5.0 cm x 3.2 cm. Example of mesenteric lymph node measured 6.5 cm x 3.0 cm. The lymph nodes exhibited symmetrical to rounded margination with abnormal width: length ratio (>0.5). The enlarged lymph nodes were bordered by echogenic to reactive mesentery.

AGE

4 Years 11 Months

Generalized reactive mesentery and scant peritoneal effusion present.

WEIGHT

48 Pounds

ULTRASONOGRAPHIC FINDINGS

- Multifocal variably sized hypoechoic to swollen mesenteric and medial iliac lymphadenopathy
- Hepatosplenomegaly with focal splenic nodule
- Sectorial gastric thickening with mild gastric stasis and generalized enteritis
- Generalized reactive mesentery and scant peritoneal free fluid

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, the study is consistent with multicentric neoplasia involving generalized intraabdominal and medial iliac lymph nodes, liver, spleen, and likely stomach. Multicentric lymphoma versus other round cell neoplasia is suspected. Potential for non-neoplastic or significant inflammatory etiology possible, yet thought less likely. Assuming normal clotting status, ultrasound guided hepatosplenic and lymphatic FNA warranted for screening cytology, further clarification, and potential oncology consult. 3-view chest radiographs recommended if not done.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Rivera

HOSPITAL NAME

DPC Vet Hospital

REFERRING VET

Dr. Rivera

INVOICE

29863

DATE

11/17/21





PATIENT

Peanut
Martinez/Lofters

SPECIES

Canine

BREED

Pit Bull X

SEX

Female

AGE

4 Years 11 Months

WEIGHT

48 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Rivera

HOSPITAL NAME

DPC Vet Hospital

REFERRING VET

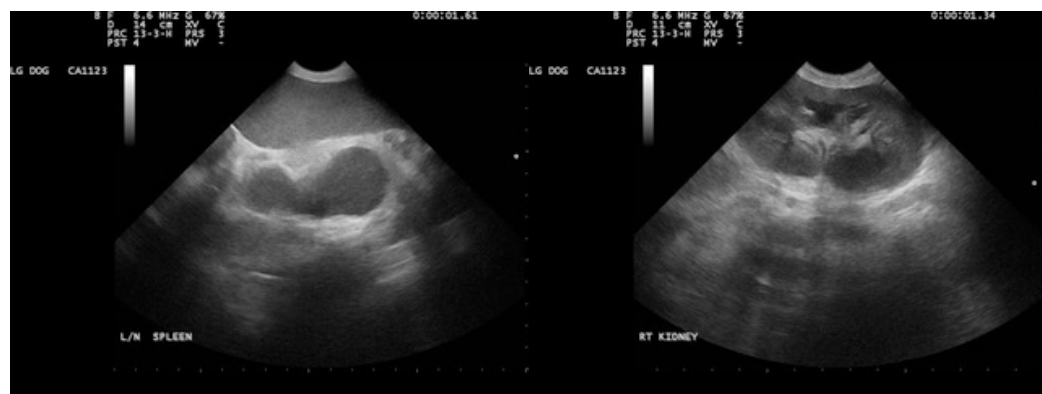
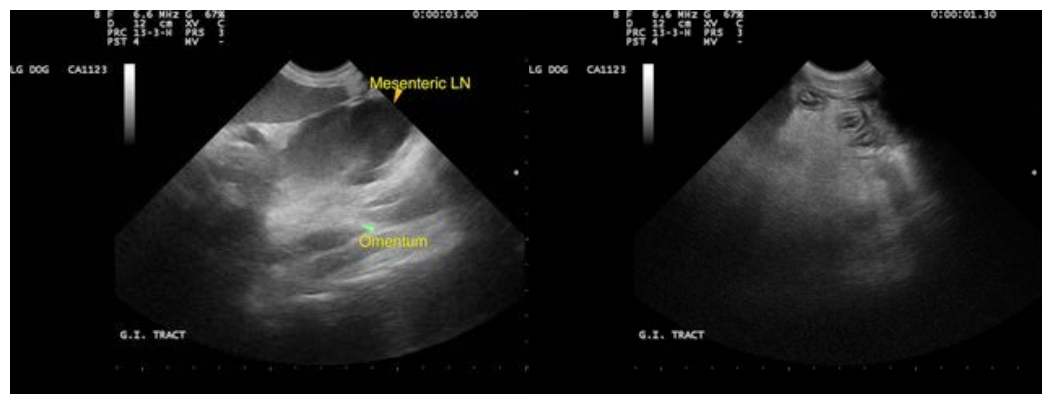
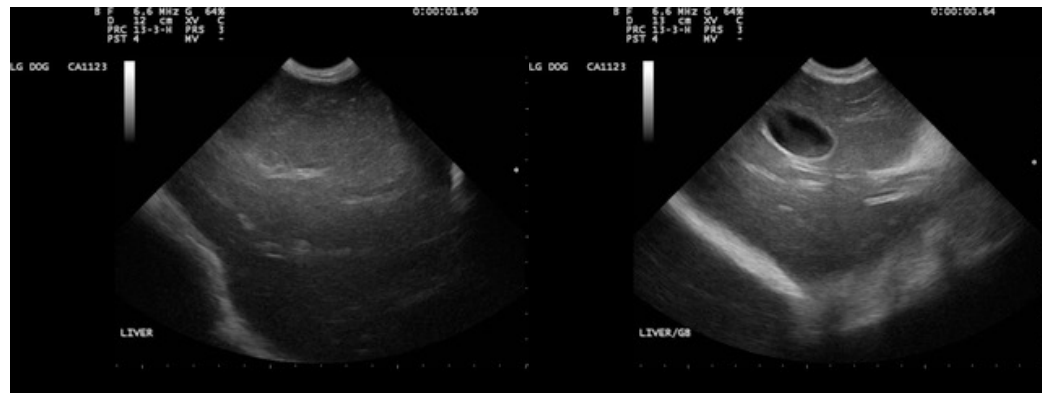
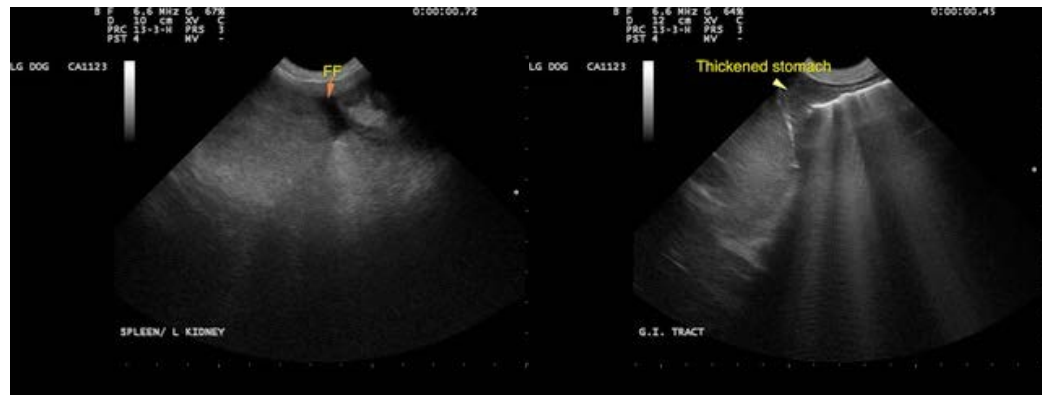
Dr. Rivera

INVOICE

29863

DATE

11/17/21





PATIENT

Peanut
Martinez/Lofters

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

Pit Bull X

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

SEX

Female

AGE

4 Years 11 Months

WEIGHT

48 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Rivera

HOSPITAL NAME

DPC Vet Hospital

REFERRING VET

Dr. Rivera

INVOICE

29863

DATE

11/17/21