



PATIENT

Atlas Smith

SPECIES

Canine

BREED

Bernese Mountain Dog

SEX

Neutered male

AGE

6 years

WEIGHT

109 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Meghan Myers

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

Dr. Gastelu

INVOICE

71717

DATE

2/19/26

PRESENTING CLINICAL SIGNS

- Presents for an AUS after seeing rDVM yesterday, was worked up for several day history of vomiting started first, then diarrhea, with decreased appetite. rDVM bloodwork displayed nonregenerative anemia, hypoalbuminemia, thrombocytopenia; rads displayed abdominal mass.
- Abdominal: Palpable firm cranial mass and fluid wave
- Oral Cavity: Mucous membranes light pink/moist
- BAR mentation, tail wagging
- rDVM bloodwork, yesterday 2/18: Chem15: BUN 33 H, Ca 7.5 L, TP 3.6 L, Alb 1.4 L, Glob 2.3 L, Glu 79 Normal liver enzy (ALT 45, ALP 42, GGT 0, Tbili 0.2) CBC: RBC 3.33 L, Hct 22.8 L, Hgb 7.8 L, WBC 12.43, Plt 43* L HAEC intake BW: Chem15: BUN 34 (H), Total protein 4.4 (L), Albumin 1.5 (L) CBC: RBC 3.14 (L), Hct 21.6 (L), Hemoglobin 7.5 (L), Mono 1.52 (L), Plt 52 (L) In-Vue: Platelet estimate 50-100k EPOC: BUN 30 (H), Creat 1.76 (H), Hct 19 (L)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex. Slight pyelectasia was noted in the left kidney. The left kidney measured 7.6 cm. The right kidney measured 8.3 cm.

Adrenal Glands

The left **adrenal gland** was slightly enlarged at the caudal pole at 0.9 cm and the cranial pole measured 0.5 cm. The right adrenal gland measured 1.1 cm at the cranial pole and 0.9 cm at the caudal pole.

Spleen

The **spleen** was enlarged and micronodular. A "honeycomb" pattern was noted with generalized enlargement and free fluid. The spleen was folded upon itself cranially and caudally. Enhanced surrounding mesentery was noted.



PATIENT

Atlas Smith

SPECIES

Canine

BREED

Bernese Mountain Dog

SEX

Neutered male

AGE

6 years

WEIGHT

109 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Meghan Myers

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

Dr. Gastelu

INVOICE

71717

DATE

2/19/26

Liver

The **liver** was swollen, hypoechoic and mildly irregular. Free fluid was noted between the liver lobes. The gallbladder revealed striating bile and mild over distension. The hepatic lymph nodes were slightly enlarged measuring up to 2.0 cm.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The **pancreas** was edematous and irregular.

Free Abdomen

A large amount of free fluid was noted in the abdomen.

Enhanced mesentery was noted.

ULTRASONOGRAPHIC FINDINGS

Splenic +/- hepatic infiltrative pattern with paraneoplastic ascites. Likely concurrent protein losing enteropathy.

Striating gallbladder bile.

Hepatic lymph node enlargement.

Edematous and irregular pancreas.

Slightly enlarged left adrenal gland.

Enhance mesentery.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Coagulation panel and platelet count of 70000 is warranted prior to 25-gauge ultrasound-guided FNA of the spleen and 22-gauge FNA of the liver is indicated. An abdominocentesis and cytospin is recommended. The palpable mass is actually the splenic enlargement folded upon itself. There is no



PATIENT

Atlas Smith

SPECIES

Canine

BREED

Bernese Mountain Dog

SEX

Neutered male

AGE

6 years

WEIGHT

109 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Meghan Myers

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

Dr. Gastelu

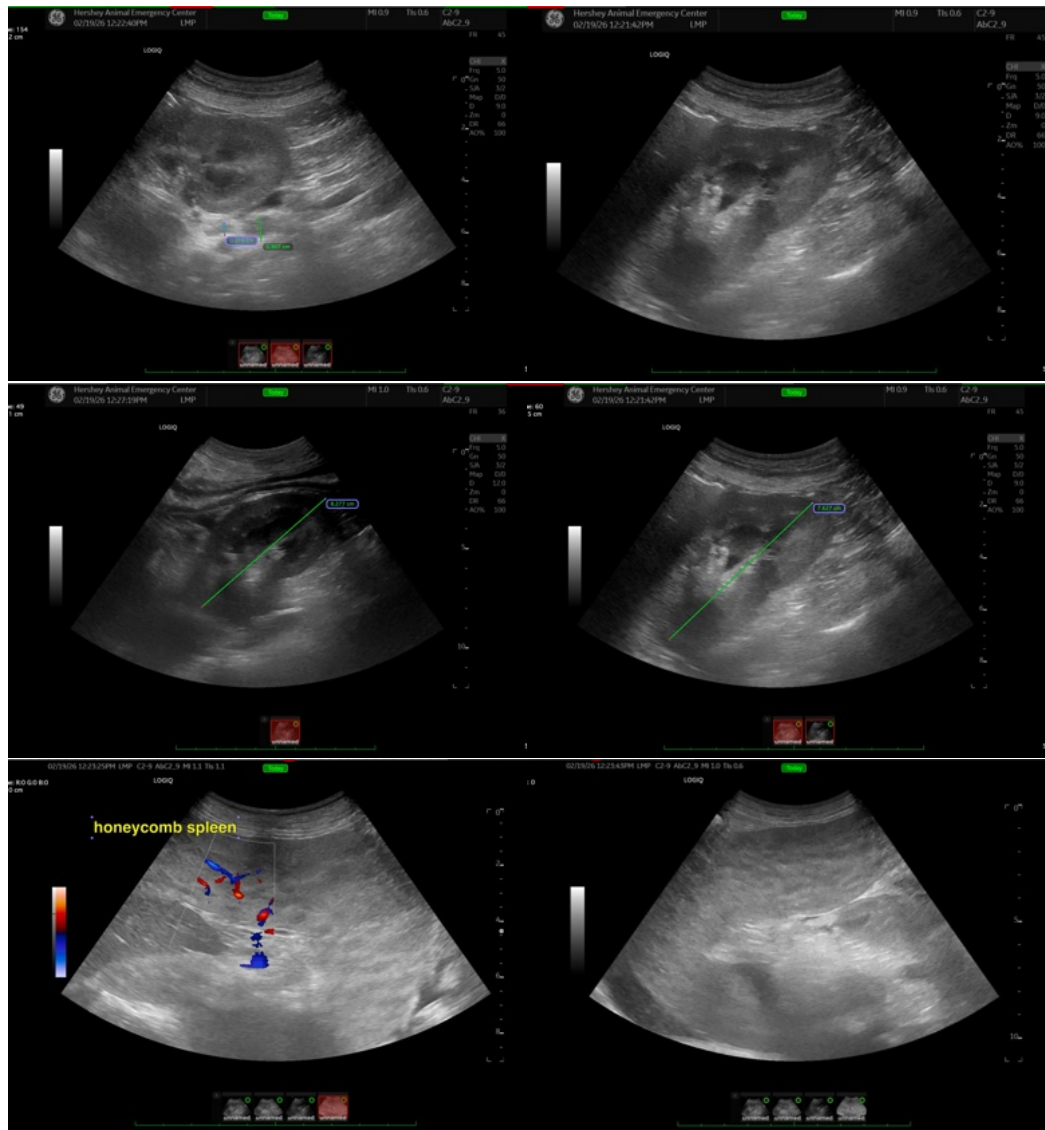
INVOICE

71717

DATE

2/19/26

primary mass involved. However, there is a significant infiltrative pattern involved with the spleen and possibly liver depending on cytology results.





PATIENT

Atlas Smith

SPECIES

Canine

BREED

Bernese Mountain Dog

SEX

Neutered male

AGE

6 years

WEIGHT

109 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Meghan Myers

HOSPITAL NAME

Hershey Animal
Emergency Center

REFERRING VET

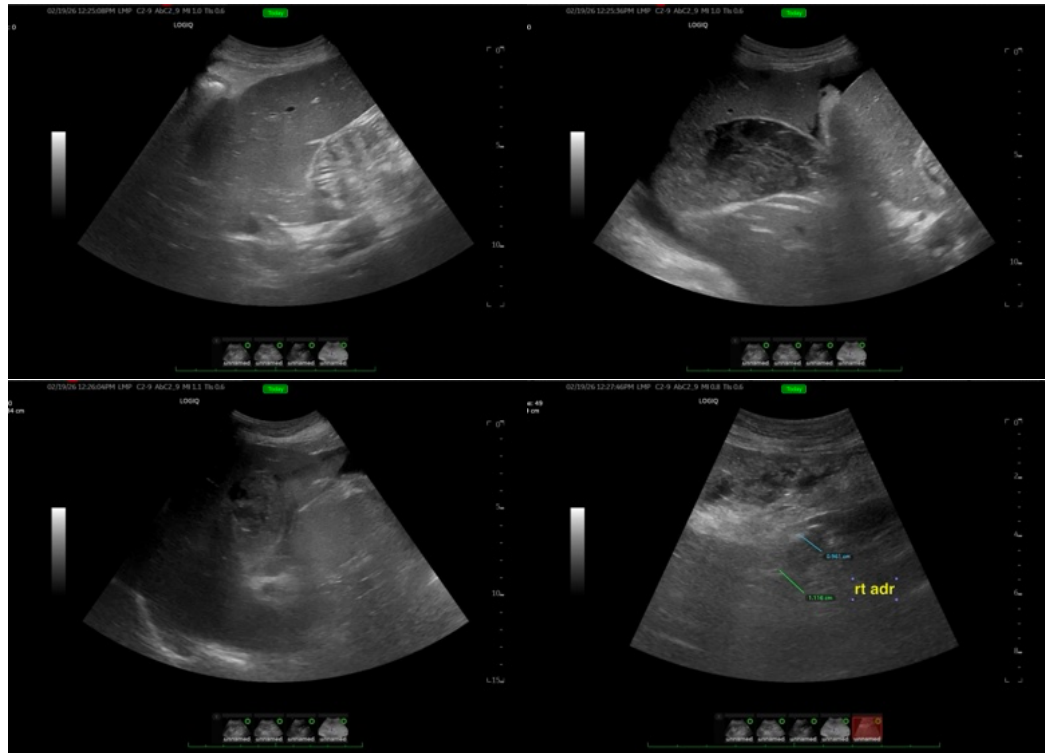
Dr. Gastelu

INVOICE

71717

DATE

2/19/26



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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com