



PATIENT

Aspen Black

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

8 years

WEIGHT

11.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Anderson

HOSPITAL NAME

Elizabeth AH

REFERRING VET

Dr. Anderson

INVOICE

95676

DATE

1/31/22

PRESENTING CLINICAL SIGNS

One bout of hematochezia after a 4 hour road trip today. Normally travels with no issues. Did not want to eat tonight. No food intake since last night. Owner has lost several pets to cancer and want to make sure no cancer is present.

Abnormal PE/Chem/CBC/UA Results: PE: Overweight, Stage I Dental Disease, Long nails, Medial patellar luxations. UA: pH 9.0, SG >1.050, clear sediment Remainder pending.

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. 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 normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.31 cm. The left kidney measured 4.0 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 right adrenal gland measured 1.78 x 0.49 cm at the caudal pole and 0.51 cm at the cranial pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



PATIENT

Aspen Black

Gastrointestinal

SPECIES

Canine

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa and small intestinal muscularis. There were areas of "ropy" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. No concerning lymphadenopathy was visible. No evidence of obstruction was present. Chronic inflammatory bowel disease is likely with a low possibility of an early neoplastic event such as lymphoma. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule out this possibility.

BREED

Chihuahua

SEX

Spayed Female

Pancreas

The right limb of the **pancreas** was hypoechoic with irregular parenchyma.

AGE

8 years

ULTRASONOGRAPHIC FINDINGS

Intestinal thickening. No loss of mural detail and no evidence of neoplastic criteria. However, prominent muscularis was noted throughout the small intestine.

WEIGHT

11.7 lbs

Heterogenous right limb of the pancreas. Suspect low-grade inflammation.

Otherwise, expected changes for this age and breed.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

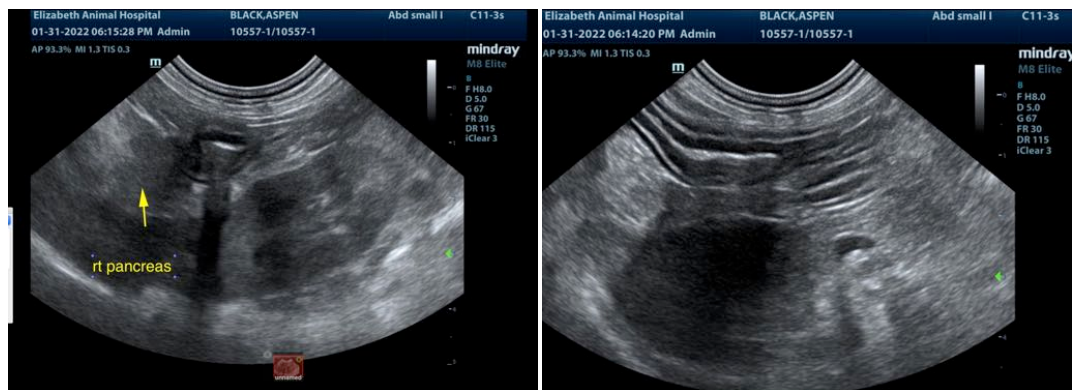
Subxiphoid palpation is recommended to assess for pain-solicited response. If pain is noted low grade pancreatitis is suspected.

IMAGING PERFORMED BY

Dr. Anderson

HOSPITAL NAME

Elizabeth AH



REFERRING VET

Dr. Anderson

INVOICE

95676

DATE

1/31/22



PATIENT

Aspen Black

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

8 years

WEIGHT

11.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Anderson

HOSPITAL NAME

Elizabeth AH

REFERRING VET

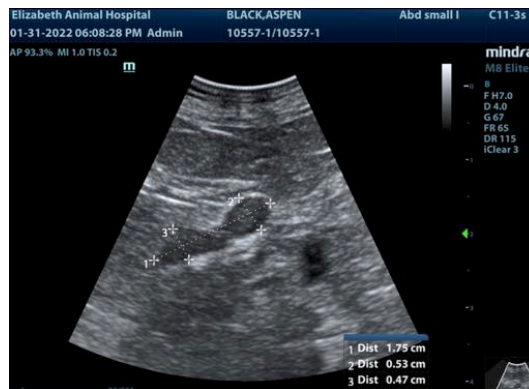
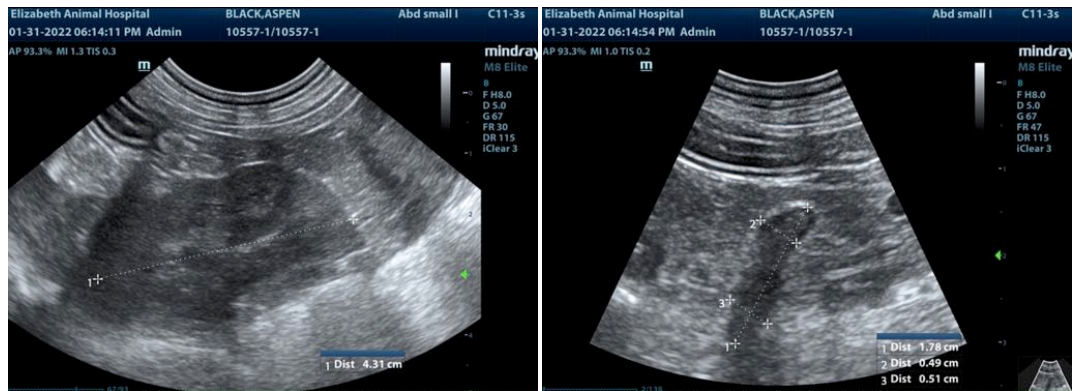
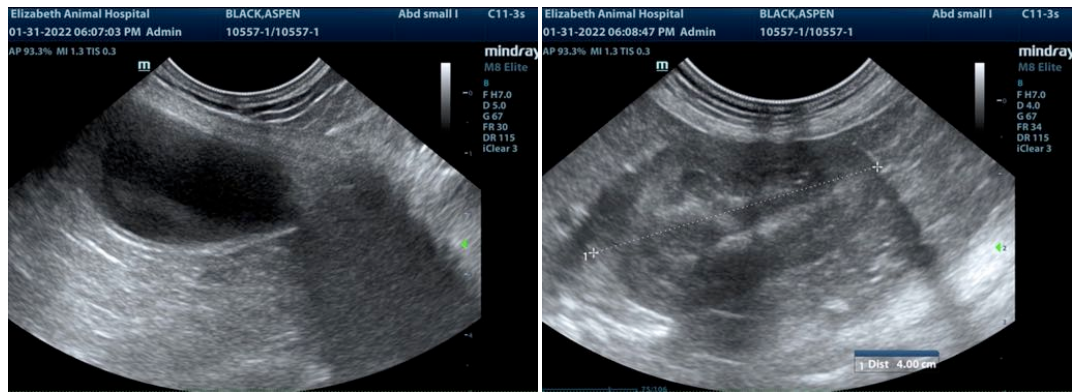
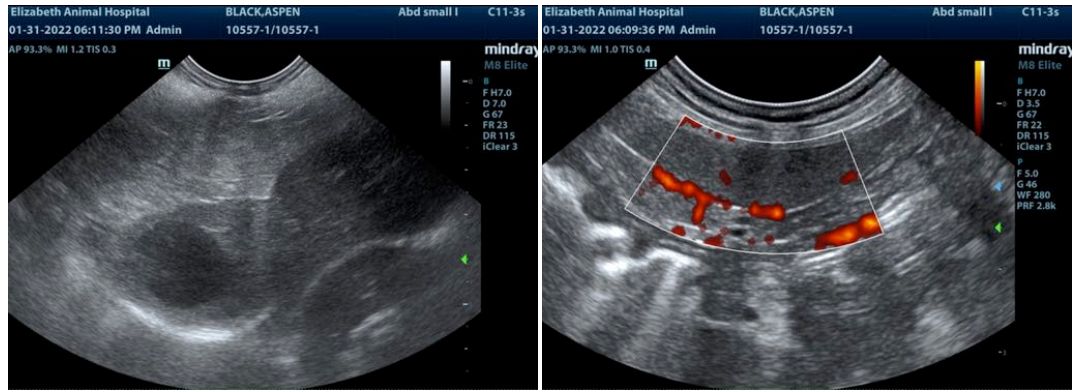
Dr. Anderson

INVOICE

95676

DATE

1/31/22





PATIENT

Aspen Black

SPECIES

Canine

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.

BREED

Chihuahua

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.

SEX

Spayed Female

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

AGE

8 years

WEIGHT

11.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Anderson

HOSPITAL NAME

Elizabeth AH

REFERRING VET

Dr. Anderson

INVOICE

95676

DATE

1/31/22