



PATIENT

Daisy Harlacker

SPECIES

Canine

BREED

Pug

SEX

Spayed female

AGE

14 years

WEIGHT

10 kg

PRESENTING CLINICAL SIGNS

History: Presented at our hospital for distended abdomen, panting, restlessness, wants to go outside repeatedly but not doing anything outside. Would not take evening meds tonight. Started tonight. Tends to eat rabbit poop and chicken feed. Had diarrhea upon arrival here. Previous Health Concerns: Collapsing trachea Current Medications: Cerenia (60 mg) ½ tab q 24 hrs, butorphanol (1 mg) 1 tab q 6-8 hrs, Tamaril-P 1 tab q 12 hrs, trazodone (50 mg) ½ tab q 8-12 hrs PRN, hemp/glucosamine treats Abnormal PE/Chem/CBC/UA Results: Abdominal: SEVERELY distended stomach with gas Cbc: anemia: rbc 3.83 wbc 5.58 Chem: bun 45, glucose 188 ip 5.1 tp 4.6 Epoc: glucse 190 bun 38 Rads: moderate peribronchial pattern, SEVERELY distended stomach with GAS; subjectively thickened small bowel ' gas in colon

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 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight pinpoint mineralization was noted. The right kidney measured 4.5 cm. The left kidney measured 4.39 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Slenbaker

INVOICE

42955

DATE

2/24/23

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 left adrenal gland measured 0.6 cm at the caudal pole and 0.44 cm at the cranial pole. The right adrenal gland measured 2.19 x 0.46 ck at the cranial pole and 0.45 cma t the caudal 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



PATIENT

Daisy Harlacker

lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

SPECIES

Canine

Gastrointestinal

The **stomach** revealed a non-obstructive 1.6 cm structure in the pyloric outflow. This is consistent medication. Oral medication history is warranted. This does not appear overtly pathological. The small intestines and colon are unremarkable.

BREED

Pug

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

SEX

Spayed female

AGE

14 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

10 kg

Geriatric abdominal changes.

1.6 cm oral medication or possible, non-obstructive foreign matter in the stomach.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant disease causing discomfort. I recommend conservative therapy and assessment of oral medication history. The stomach was not dilated at the time of the sonogram; however, GI blood loss cannot be ruled out given the anemia. Supportive care should prove effective.

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

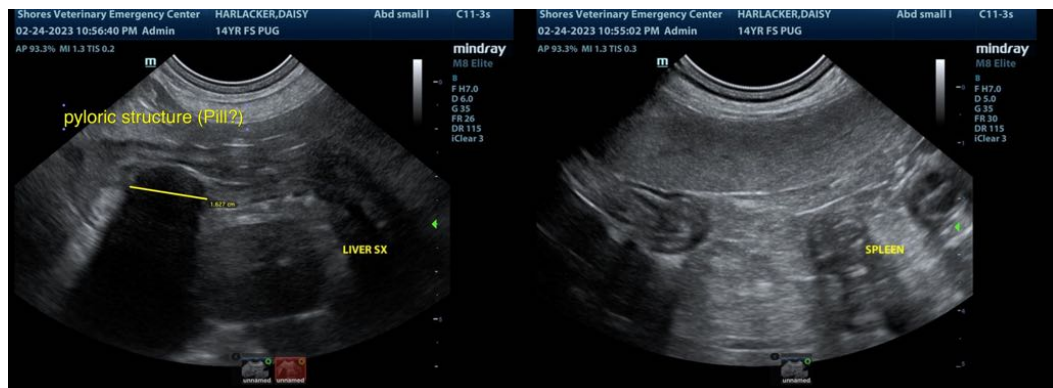
Dr. Slenbaker

INVOICE

42955

DATE

2/24/23





PATIENT

Daisy Harlacker

SPECIES

Canine

BREED

Pug

SEX

Spayed female

AGE

14 years

WEIGHT

10 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

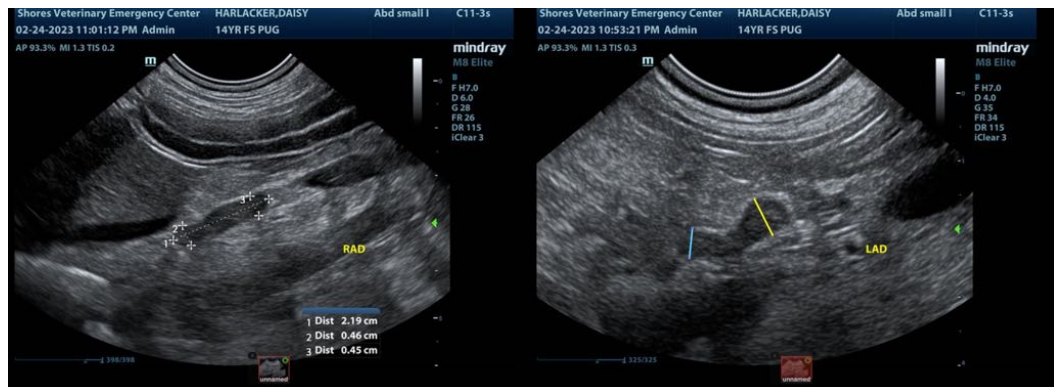
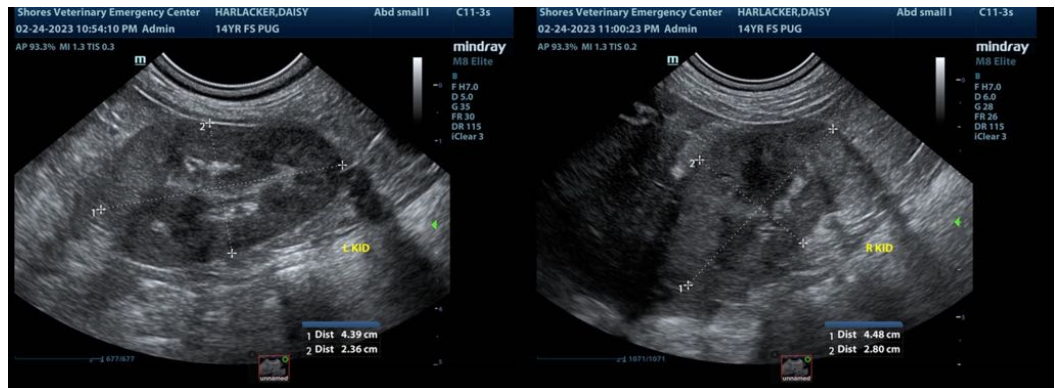
Dr. Slenbaker

INVOICE

42955

DATE

2/24/23



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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com