



PATIENT

Zoe Holtzer

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed female

AGE

9 years

WEIGHT

9.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

MEW

HOSPITAL NAME

Weddington AH

REFERRING VET

Dr. Walker

INVOICE

72287

DATE

3/6/26

PRESENTING CLINICAL SIGNS

- 9yo FS pomeranian with ALP 321 (prev 292), PSL 256 (prev 200) on annual labwork. P on proheart. PE unremarkable. AUS for evaluation to rule out sinister causes and assess pancreas/gallbladder/adrenals for pathology. P asymptomatic at this time.
- 3/2026: ALP 321, PSL 256 1/2026: ALP 292, PSL 200

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mineralization was noted in the kidneys. The left kidney measured 3.1 cm. The right kidney measured 3.3 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 0.56 cm at the cranial pole and 0.4 cm at 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

Mild, subjectively benign hepatic swelling was noted with normal contour and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. Minor gallbladder polyps were noted and not pathological. The cystic and common bile ducts were normal. No overt evidence of active inflammatory,



PATIENT

Zoe Holtzer

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed female

AGE

9 years

WEIGHT

9.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

MEW

HOSPITAL NAME

Weddington AH

REFERRING VET

Dr. Walker

INVOICE

72287

DATE

3/6/26

infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

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 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.

ULTRASONOGRAPHIC FINDINGS

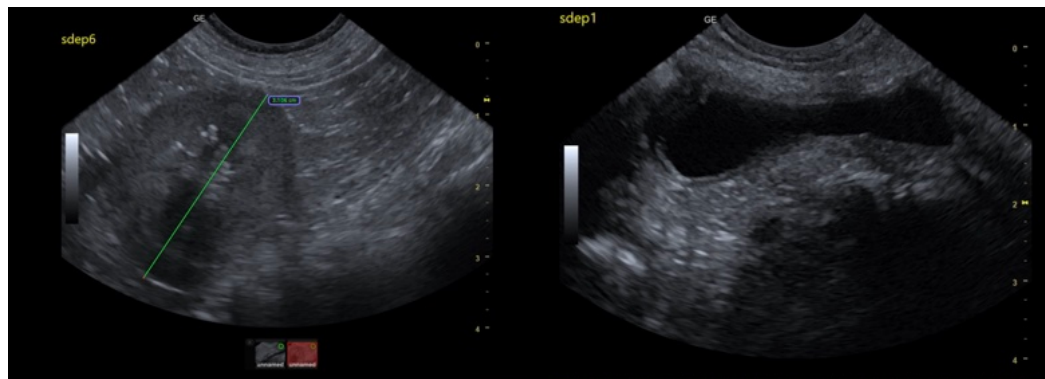
Benign hepatopathy with minor gallbladder polyps, non-pathological.

Sight non-obstructive renal mineralization.

Subjectively benign abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The changes are largely expected for this age and breed.





PATIENT

Zoe Holtzer

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed female

AGE

9 years

WEIGHT

9.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

MEW

HOSPITAL NAME

Weddington AH

REFERRING VET

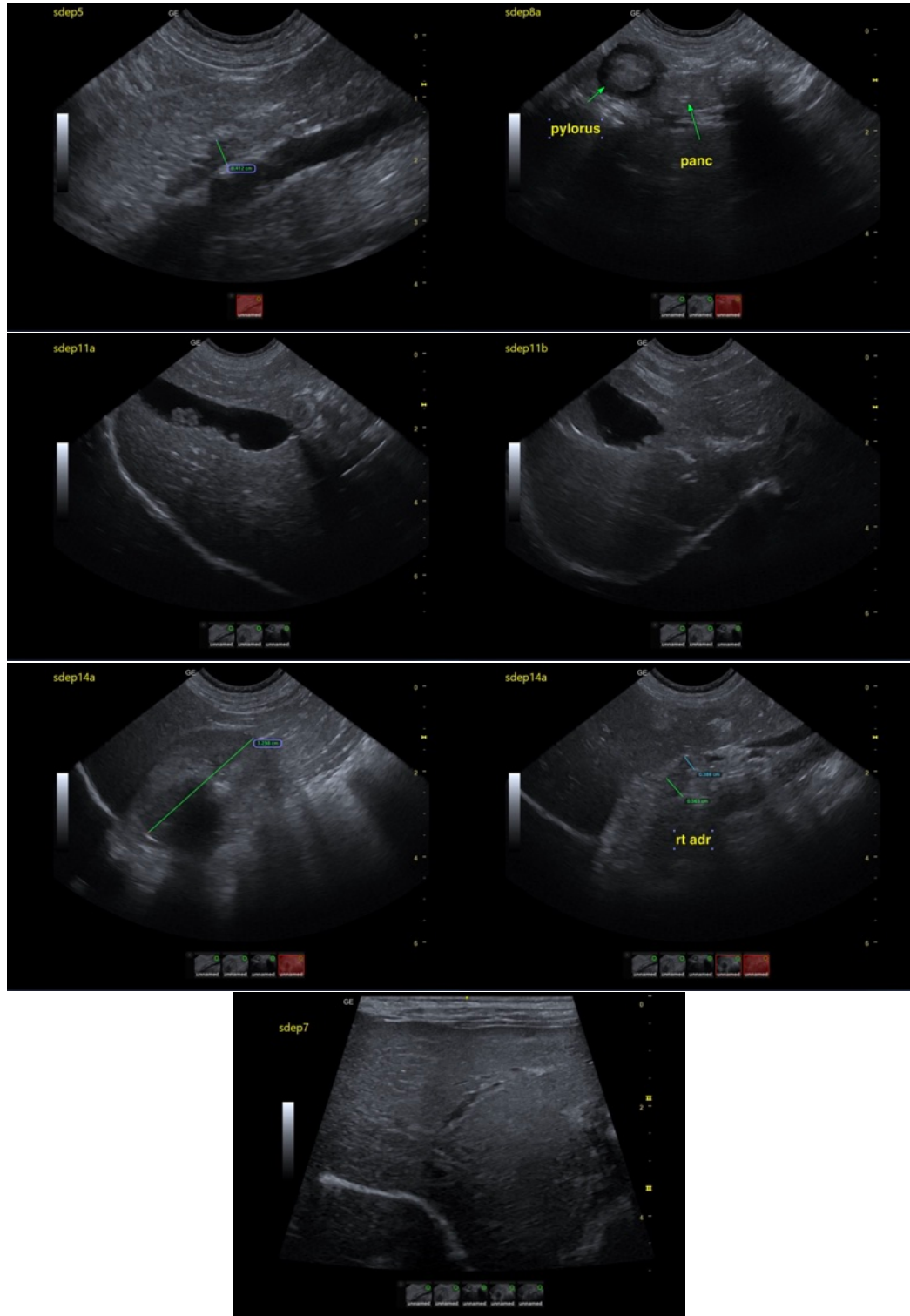
Dr. Walker

INVOICE

72287

DATE

3/6/26





PATIENT

Zoe Holtzer

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed female

AGE

9 years

WEIGHT

9.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

MEW

HOSPITAL NAME

Weddington AH

REFERRING VET

Dr. Walker

INVOICE

72287

DATE

3/6/26

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