



PATIENT

Zoe Smith

SPECIES

Canine

BREED

Pit

SEX

Spayed female

AGE

14 years

WEIGHT

42.6 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Roche

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Roche

INVOICE

68792

DATE

11/18/25

PRESENTING CLINICAL SIGNS

History: EMPLOYEE PET. Loose stool/diarrhea, several months duration. Weight loss.
Abnormal PE/Chem/CBC/UA Results: 8/1/25 ALT 193, Alkphos 358, albumin 4.0, BUN 61, digestive panel TLI >50, cobalamin 698, folate >24

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** were subnormal in size for this size patient. The renal 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. The left kidney measured 4.8 cm. The right kidney measured 4.8 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 left adrenal gland measured 0.5 cm. The right adrenal gland measured 0.8 cm.

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** revealed coarse architecture and heterogenous parenchymal changes with macronodular, irregular swelling. The changes were subtle, yet persistent in multiple views. 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

Zoe Smith

SPECIES

Canine

BREED

Pit

SEX

Spayed female

AGE

14 years

WEIGHT

42.6 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Roche

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Roche

INVOICE

68792

DATE

11/18/25

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. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

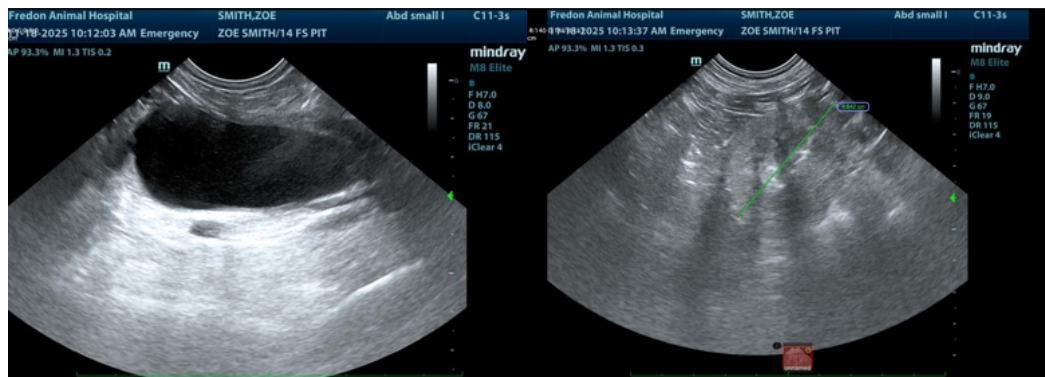
ULTRASONOGRAPHIC FINDINGS

Nodular hyperplasia liver pattern.

Age related renal changes, moderate.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I am most concerned about the long term viability of the kidneys in this patient. Full urinary work-up and blood pressure measurements are indicated.





PATIENT

Zoe Smith

SPECIES

Canine

BREED

Pit

SEX

Spayed female

AGE

14 years

WEIGHT

42.6 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Roche

HOSPITAL NAME

Fredon AH

REFERRING VET

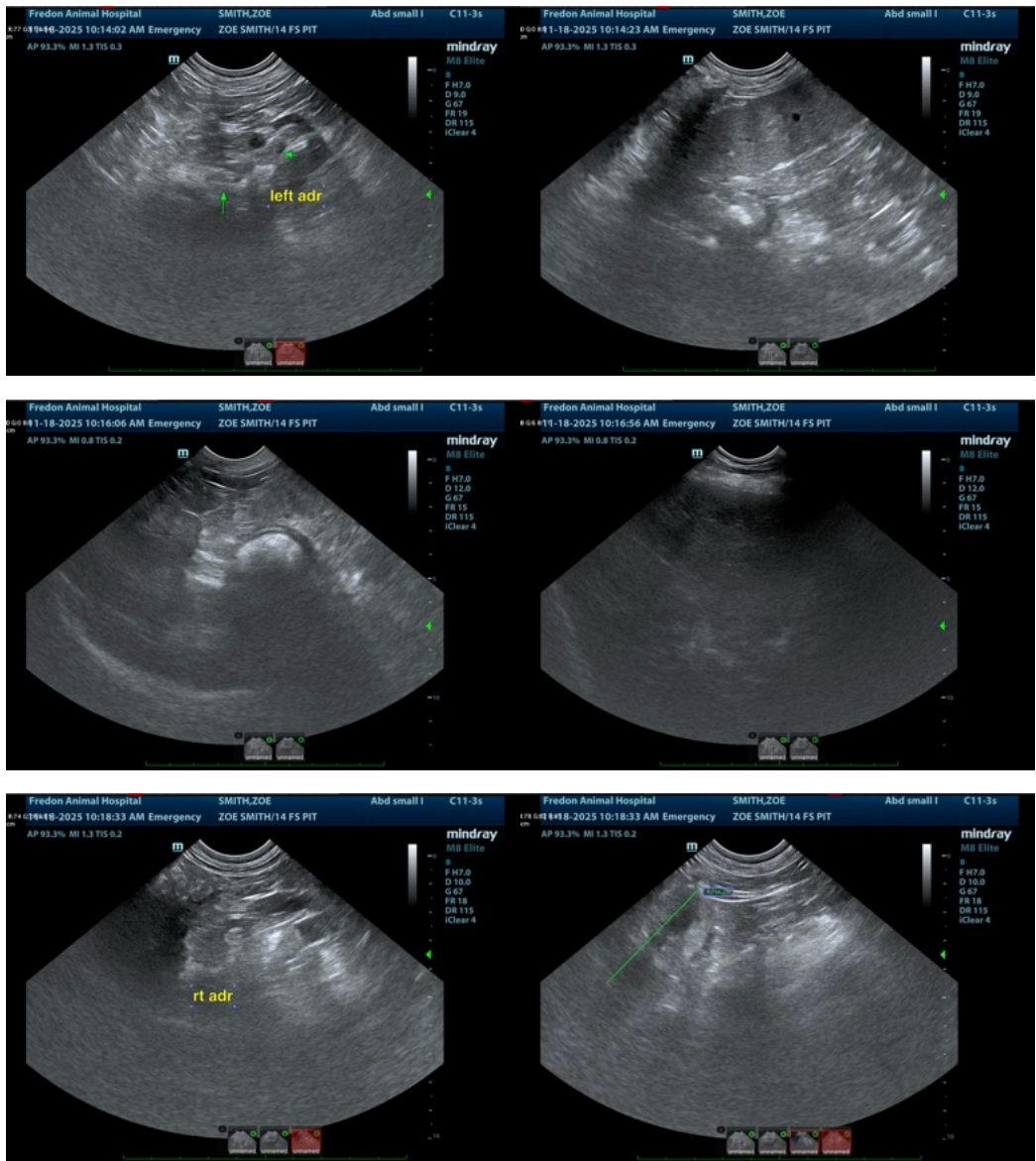
Dr. Roche

INVOICE

68792

DATE

11/18/25



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