



PATIENT

Twinkle Toes Grizzel

SPECIES

Feline

BREED

Snowshoe

SEX

Female

AGE

18 years

WEIGHT

7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Nelson

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Nelson

INVOICE

99359

DATE

4/19/22

PRESENTING CLINICAL SIGNS

Dyspnea started 8/21 - FAST scan revealed large cavitated suspected hepatic mass. FNA non diagnostic - virtually acellular. Chronic constipation since this visit. Well managed on lactulose and buprenorphine Chem 8/21: ALT (SGPT) 148IU/L 10-100 HIGH GGT 21IU/L 1-10 HIGH

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. Pinpoint mineralization were noted. The left kidney measured 3.0 cm. The right kidney measured 3.0 cm with slight pyelectasia.

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 0.4 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 extensive coalescing masses that enveloped the gallbladder and much of the mid liver. The masses were complex, heterogenous, cystic and parenchymal. This does not appear resectable and occupied both the left and right liver. There was some relatively normal cranial liver present. The cranial liver revealed multi-focal, mild to moderately disruptive nodular changes. Slight free fluid was noted between the mass and diaphragm.



PATIENT

Twinkle Toes Grizzel

SPECIES

Feline

BREED

Snowshoe

SEX

Female

AGE

18 years

WEIGHT

7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Nelson

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Nelson

INVOICE

99359

DATE

4/19/22

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.

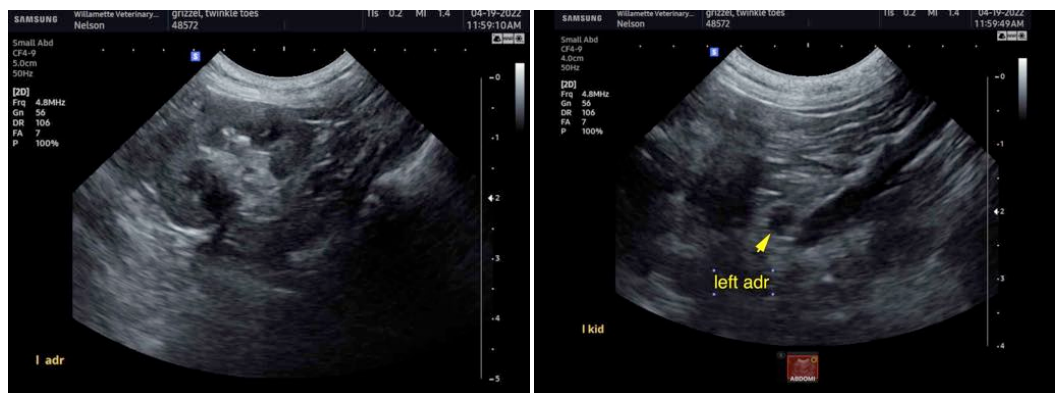
ULTRASONOGRAPHIC FINDINGS

Extensive hepatic cystic masses. Diffuse hepatic neoplasia is likely. Biliary carcinoma, extensive adenoma is possible, yet given the level of disrupted architecture biliary carcinoma is likely.

The remainder of the liver is unremarkable.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Supportive care for quality of life is indicated.





PATIENT

Twinkle Toes Grizzel

SPECIES

Feline

BREED

Snowshoe

SEX

Female

AGE

18 years

WEIGHT

7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Nelson

HOSPITAL NAME

Willamette VH

REFERRING VET

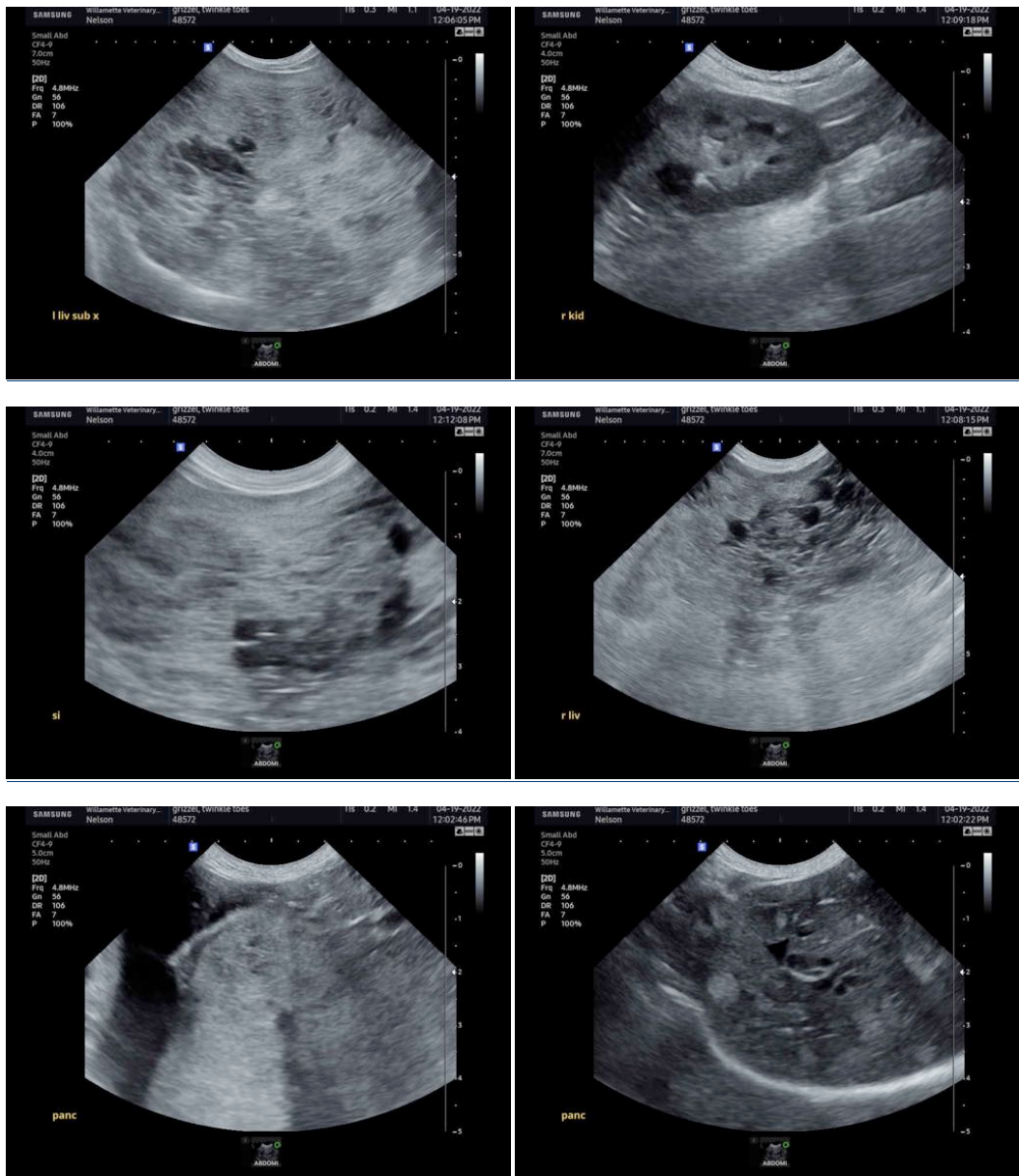
Dr. Nelson

INVOICE

99359

DATE

4/19/22



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 it can be of any further assistance please contact me.

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