



PATIENT

Bailey MacKenzie

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered male

AGE

15 years

WEIGHT

10.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Kelly Reshny, RVT

HOSPITAL NAME

Mountain AH

REFERRING VET

Dr. Mackenzie

INVOICE

39486

DATE

9/20/22

PRESENTING CLINICAL SIGNS

History: Was scanned in April, has ongoing history of being a picky eater and bouts of pancreatitis. Currently has tender abdomen and is not eating at all. Started IVF today.

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 moderate degenerative changes, irregular contour and corticomedullary mineralization. The left kidney measured 3.61 cm. The right kidney measured 4.23 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 2.2 x 0.44 cm at the caudal pole and 0.48 cm at the cranial pole.

Spleen

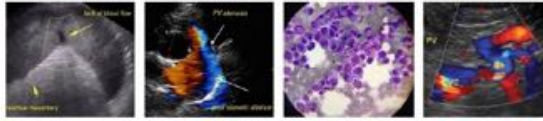
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or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

Liver

The **liver** was coarse in architecture with hypoechoic nodular changes. Nodular hepatic changes were present with disrupted architecture. Swollen, irregular hepatic contour was noted with enhanced mesentery. The gallbladder was moderately over distended.

Gastrointestinal

Hyperperistaltic **intestinal tract** was noted with areas of mucosal fogging. This is suggestive for lymphangectasia. There was loss of mural detail noted in the pylorus. Reactive mesentery was noted throughout the cranial abdomen around the pancreas and pyloric outflow.



PATIENT

Pancreas

Bailey MacKenzie

The right limb of the **pancreas** revealed hypoechoic, ill-defined tissue proliferation. There is a strong concern for underlying neoplasia.

SPECIES

Canine

Free Abdomen

Free fluid was noted in the abdomen.

BREED

Miniature Poodle

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered male

Extensive pancreatitis.

Upper gastrointestinal thickening with loss of mural detail.

Free fluid

AGE

15 years

Nodular hepatic changes with irregular contour.

Over distended gallbladder, consistent with immature mucocele formation.

WEIGHT

10.5 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

There is a strong concern for underlying pancreatic or upper gastrointestinal neoplasia with potential metastatic disease to the liver. Pancreatic necrosis, chronic upper GI inflammation and nodular hyperplasia are all possible, yet this would not explain the free fluid unless albumin levels are subnormal under 1.5. Ultrasound-guided FNA of the liver could be considered. Safe FNA of the right pancreatic limb may be challenging as the acoustic windows are obscured owing to reactive surrounding mesentery. Otherwise, exploratory surgery would be necessary with focusing biopsies upon the upper gastrointestinal tract, right pancreatic base and liver. Aggressive treatment for pancreatitis, gastroenteritis is warranted with empirical therapy of Ursodiol. However, I am concerned for a potential underlying neoplastic process possibly deriving from the pancreas or stomach.

IMAGING PERFORMED BY

Kelly Reshny, RVT

HOSPITAL NAME

Mountain AH

REFERRING VET

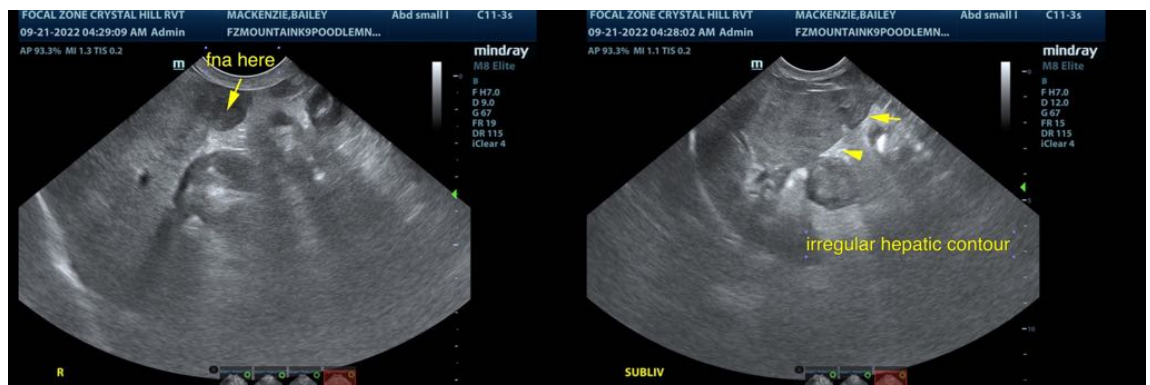
Dr. Mackenzie

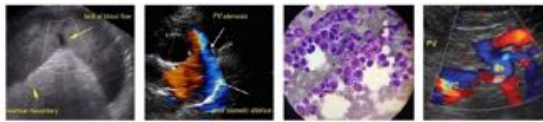
INVOICE

39486

DATE

9/20/22





PATIENT

Bailey MacKenzie

SPECIES

Canine

BREED

Miniature Poodle

SEX

Neutered male

AGE

15 years

WEIGHT

10.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Kelly Reshny, RVT

HOSPITAL NAME

Mountain AH

REFERRING VET

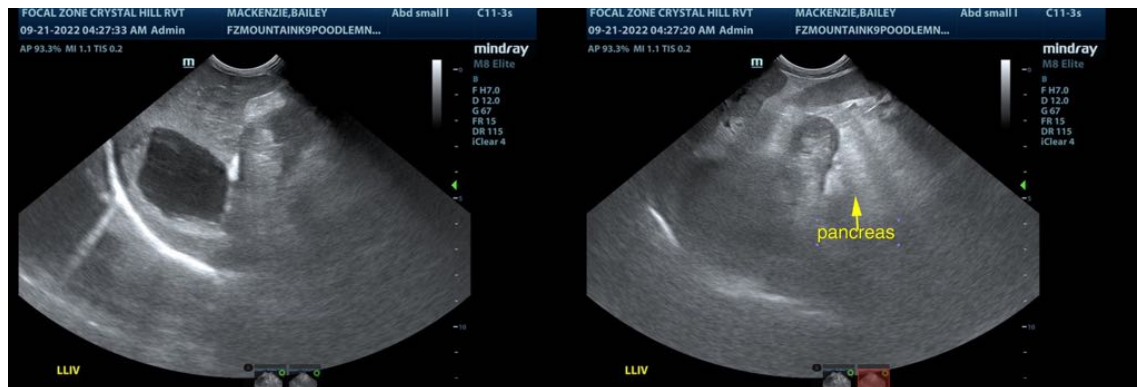
Dr. Mackenzie

INVOICE

39486

DATE

9/20/22



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 I can be of any further assistance please contact me.

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