



PATIENT PRESENTING CLINICAL SIGNS

Penny Poole History: Episodes of severe anxiety, rDVM requested abdominal u/s to look for any possible abdominal abnormalities
 Abnormal PE/Chem/CBC/UA Results: Not performed

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Pomeranian

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.

SEX

Spayed female

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. Multi-focal, cortical cysts were noted.

AGE

13 years

WEIGHT

8.1 lbs

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 0.47 cm. The right adrenal gland measured 0.54 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

IMAGING PERFORMED BY

Dr. Favis

Liver

HOSPITAL NAME

Ruidoso AC

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, 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. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, 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.

REFERRING VET

Dr. Favis

INVOICE

42184

Gastrointestinal

Variable **gastrointestinal** thickening was noted without loss of mural detail and areas of mucosal fogging. The stomach and colon were unremarkable.

DATE

10/27/22



PATIENT

Pancreas

Penny Poole

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.

SPECIES

Canine

BREED

Free Abdomen

Pomeranian

A minor amount of free fluid was noted in the abdomen.

SEX

ULTRASONOGRAPHIC FINDINGS

Spayed female

Mild free fluid,

AGE

Mucosal fogging of the small intestine.

13 years

Age related renal and hepatic changes with renal cortical cysts.

Volume contracted spleen.

WEIGHT

Otherwise, geriatric abdomen.

8.1 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Given the free fluid I am concerned for protein losing disease. CBC, chem and UA are all indicated. If the albumin levels are less than 1.5 then the free fluid is likely owing to poor oncotic pressure. Otherwise, lymphomatosis or similar neoplasia should be considered. Further information is necessary for evaluation. No obvious masses are present. Hydration status should be evaluated. Abdominocentesis of the free fluid with cytospin is indicated to assess for abnormal cytology.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Favis

HOSPITAL NAME

Ruidoso AC

REFERRING VET

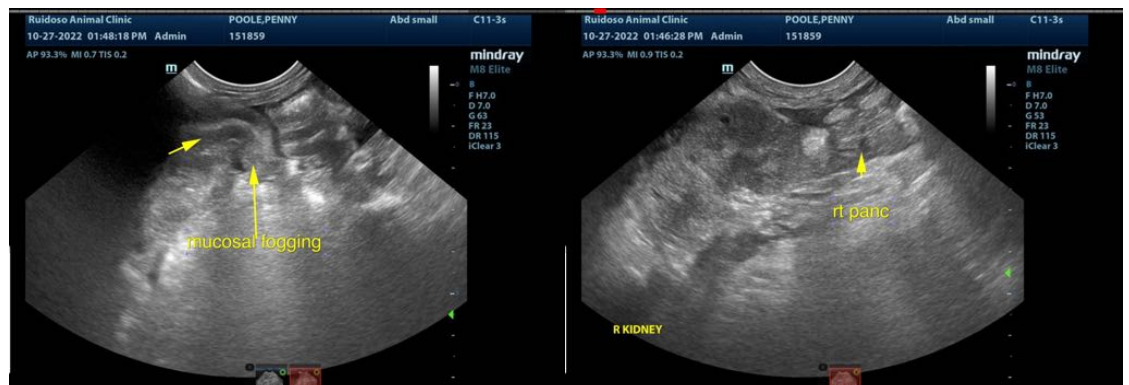
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PATIENT

Penny Poole

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed female

AGE

13 years

WEIGHT

8.1 lbs

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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.

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