



PATIENT

Tiki Mulvany

PRESENTING CLINICAL SIGNS

History: vomiting mucous stool

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Cairn Terrier

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** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. Slight mineralization was noted in the kidneys. The right kidney measured 5.0 cm. The left kidney measured 4.64 cm.

AGE

16 years

Adrenal Glands

WEIGHT

18.2 lbs

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 1.34 x 0.38 cm at the caudal pole and 0.52 cm at the cranial pole. The right adrenal gland measured 1.95 x 0.61 cm at the caudal pole and 0.69 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Jenn

The **spleen** revealed multi-focal, hyperechoic and hypoechoic nodular changes noted at the mid cranial body. The spleen revealed irregular contour with enhanced surrounding mesentery. Splenitis versus round cell neoplasia, hemangiosarcoma is less likely.

HOSPITAL NAME

Rockaway AH

Liver

REFERRING VET

Dr. Maniar

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.

INVOICE

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Gastrointestinal

DATE

2/14/23

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



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demonstrated normal luminal chyme and stool consistency respectively. The colon was mildly thickened in this patient. The lumen was empty. There was no evidence of neoplasia. Underlying colitis is likely.

SPECIES

Canine

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.

BREED

Cairn Terrier

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Colitis pattern.

Hyperechoic and hypoechoic splenic changes with irregular contour. Splenitis versus round cell neoplasia.

AGE

16 years

Hepatic remodeling.

Moderate degenerative renal changes.

WEIGHT

18.2 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Splenic FNA is warranted as well as treatment for gastroenteritis and colitis. FNA of the liver would also be ideal. There was no overt evidence of neoplasia unless splenic aspirates reveal underlying neoplasia.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway AH

REFERRING VET

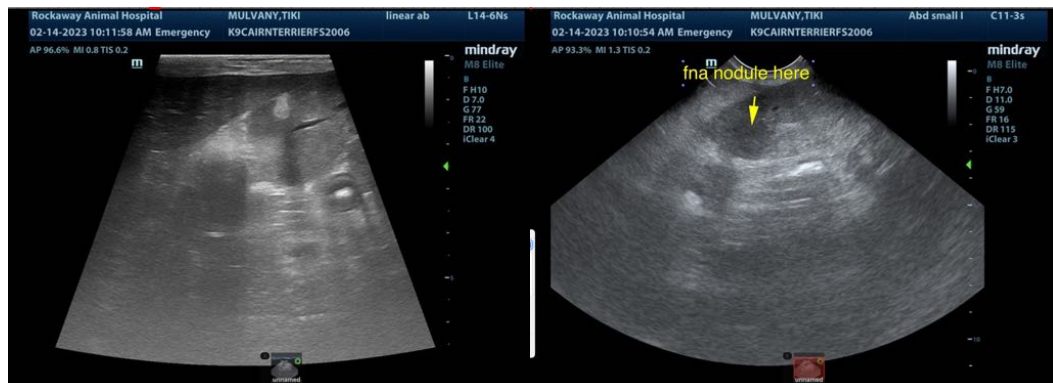
Dr. Maniar

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SPECIES

Canine

BREED

Cairn Terrier

SEX

Spayed female

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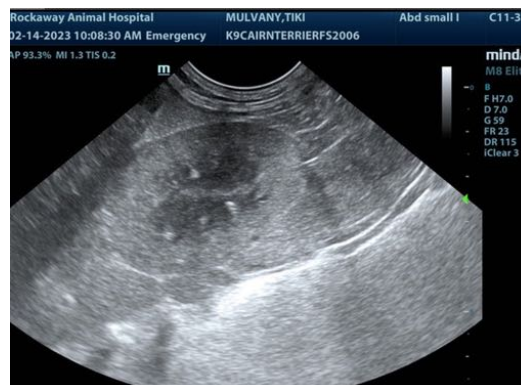
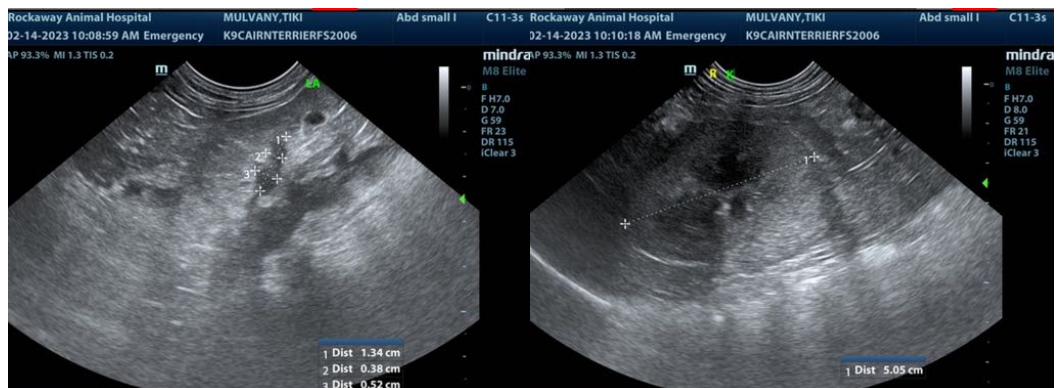
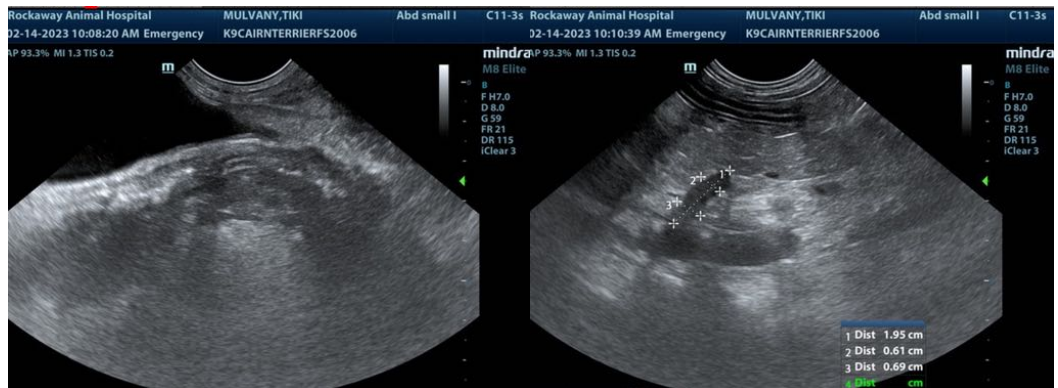
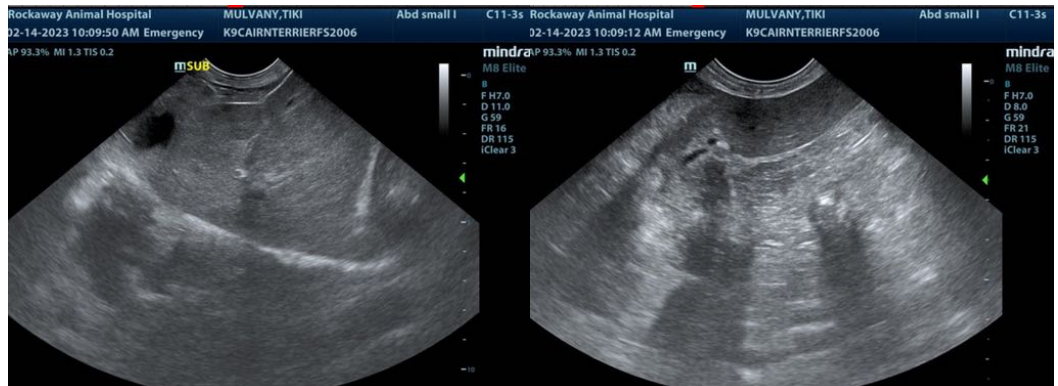
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Cairn Terrier

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

SEX

Spayed female

AGE

16 years

WEIGHT

18.2 lbs

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