



**PATIENT**

Duncan Rooney

**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

Neutered male

**AGE**

10 years

**WEIGHT**

57 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenn

**HOSPITAL NAME**

Rockaway

**REFERRING VET**

Dr. Maniar

**INVOICE**

42557

**DATE**

1/6/23

**PRESENTING CLINICAL SIGNS**

History: recheck prev u/s 1/4 showed L liver cranial mass with L caudal pedunculated mass, and shadowing gastric material, L adrenal nodule

**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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.51 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 right adrenal gland measured 2.86 x 1.22 cm at the cranial pole and 0.83 cm at the caudal pole. The left adrenal gland measured 2.85 x 0.55 cm at the caudal pole and 0.74 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 left cranial **liver** mass was persistent and similar to the prior sonogram measuring approximately 5.0 cm with ill-defined margins and areas of mineralization. The mass impinged upon the gallbladder. The left caudal liver revealed a pedunculated liver mass similar to the prior sonogram and measured approximately 7-8 cm. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.

***Gastrointestinal***

The **stomach** revealed shadowing gastric material and a minor amount of chyme. The shadowing material measured 4.0 cm. The small intestines and colon were unremarkable.



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**Pancreas**

Duncan Rooney

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.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

Shepherd Mix

Persistent two separate liver masses with shadowing gastric material, suspect persistent gastric foreign matter and gastrotomy.

**SEX**

Neutered male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Full left liver lobectomy can be considered; however, CT would be ideal for surgical planning regarding the left cranial liver mass. The left caudal liver mass appears to be resectable. The cranial liver mass is debatable on whether it has attachment to the diaphragm or gallbladder. However, surgical intervention for the liver and stomach is essential in this patient.

**AGE**

10 years

**ABOUT SONOPATH CT SERVICES:**

**WEIGHT**

57 lbs

SonoPath CT Services are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/sonopath-ct-services>

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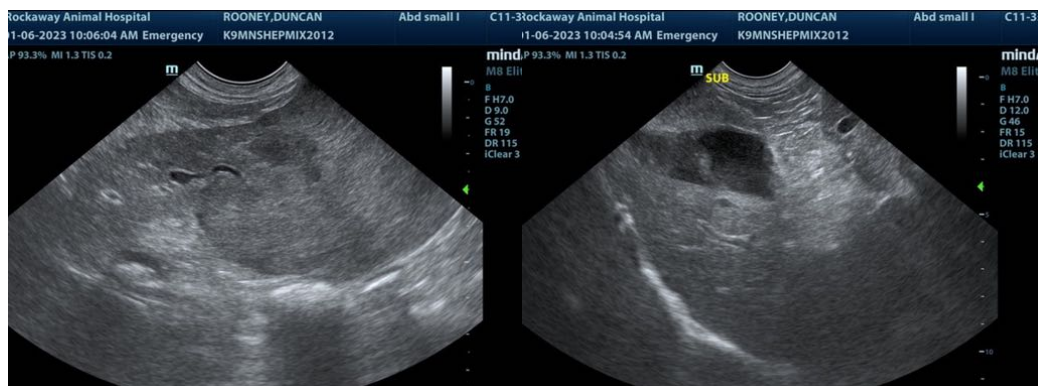
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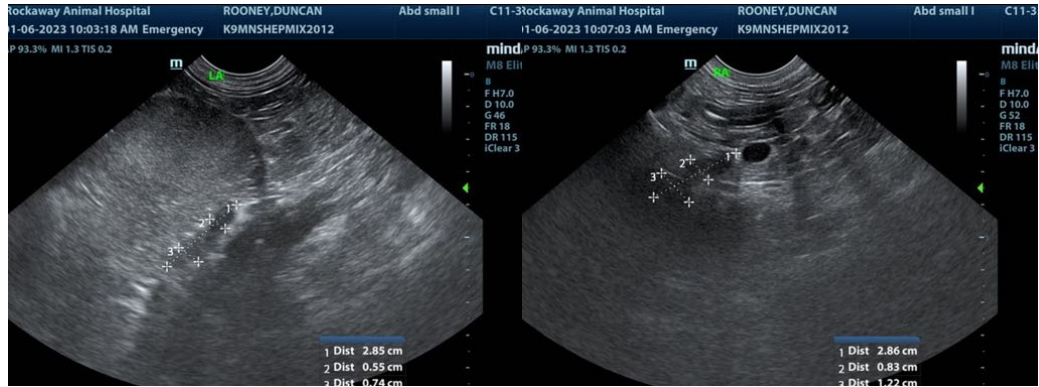
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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  
info@SonoPath.com