

**PATIENT PRESENTING CLINICAL SIGNS**

Mimi Espley

Intact--assess reproductive tract. Small mammary tumor (left side, caudal aspect, inguinal mammary tissue slightly swollen). Unknown when last in heat (typically January & August) No discharge from vulva, though it is mildly swollen. Bright & alert, eating & drinking well. Primary Question to Be Answered in This Exam: Assess reproductive tract

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Yorkie

**Urinary System**

**SEX**

Intact Female

The **urinary bladder**, trigone, and pelvic urethra to a depth of 2.0 cm 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 were noted. Ureteral papillae were normal.

**AGE**

15 Years

The left ovary was uniform and measured 0.54 cm. The right ovary was uniform and measured 5.0 mm. The uterus was empty with no evidence of pathology and measured 4.0 mm width.

**WEIGHT**

5 pounds

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 2.84 cm in length. The right kidney measured 3.08 cm in length. Blood flow to the kidneys appeared to adequate.

**INTERPRETED BY**

Eric Lindquist, DMV,  
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**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 1.35 cm x 0.53 cm width at the caudal pole and 0.36 cm width at the cranial pole. The right adrenal gland measured 1.2 cm x 0.84 cm width at the cranial pole and 0.63 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Amanda Stewart

**HOSPITAL NAME**

The Maple Animal  
 Hospital

**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 were noted.

**REFERRING VET**

Dr. Kazienko

**INVOICE**

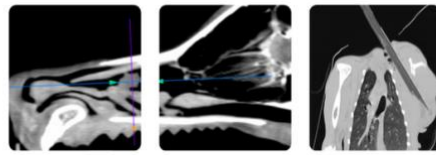
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**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild 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

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elevations regarding any clinical significance to this presentation. Multifocal nondisruptive nodular changes were present.

**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**

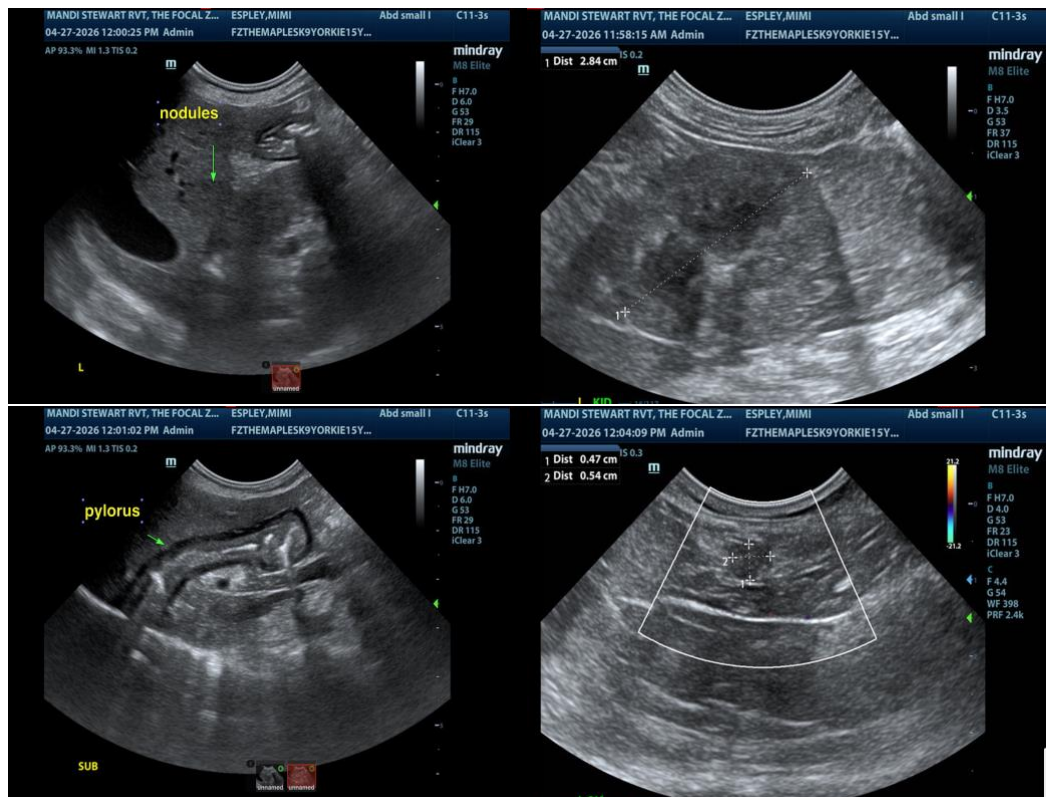
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

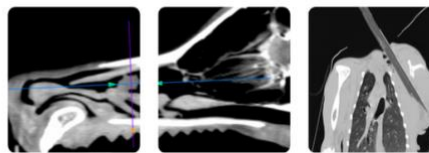
**ULTRASONOGRAPHIC FINDINGS**

- Unremarkable geriatric abdomen.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of pathology.





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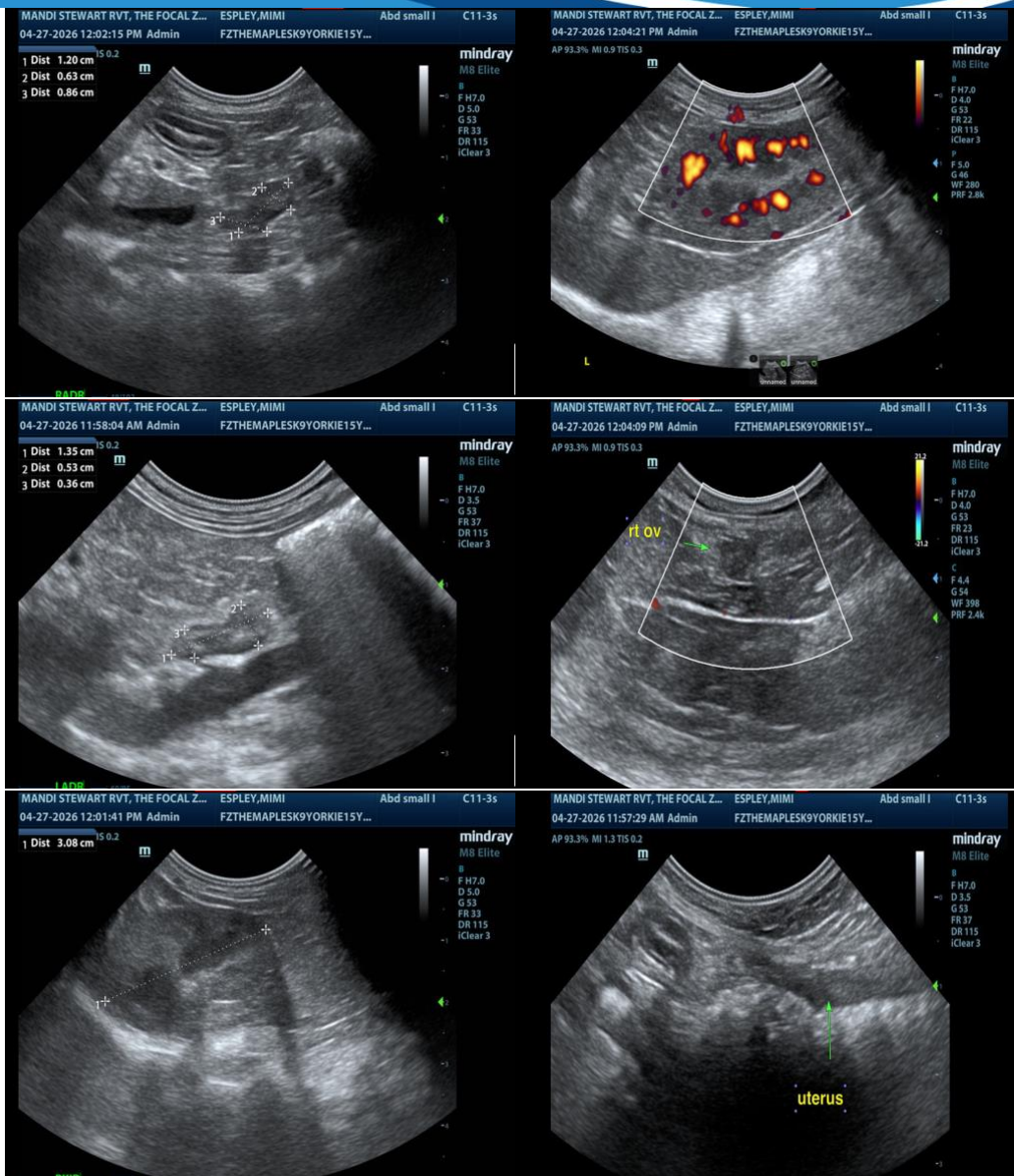
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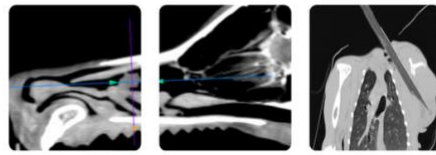
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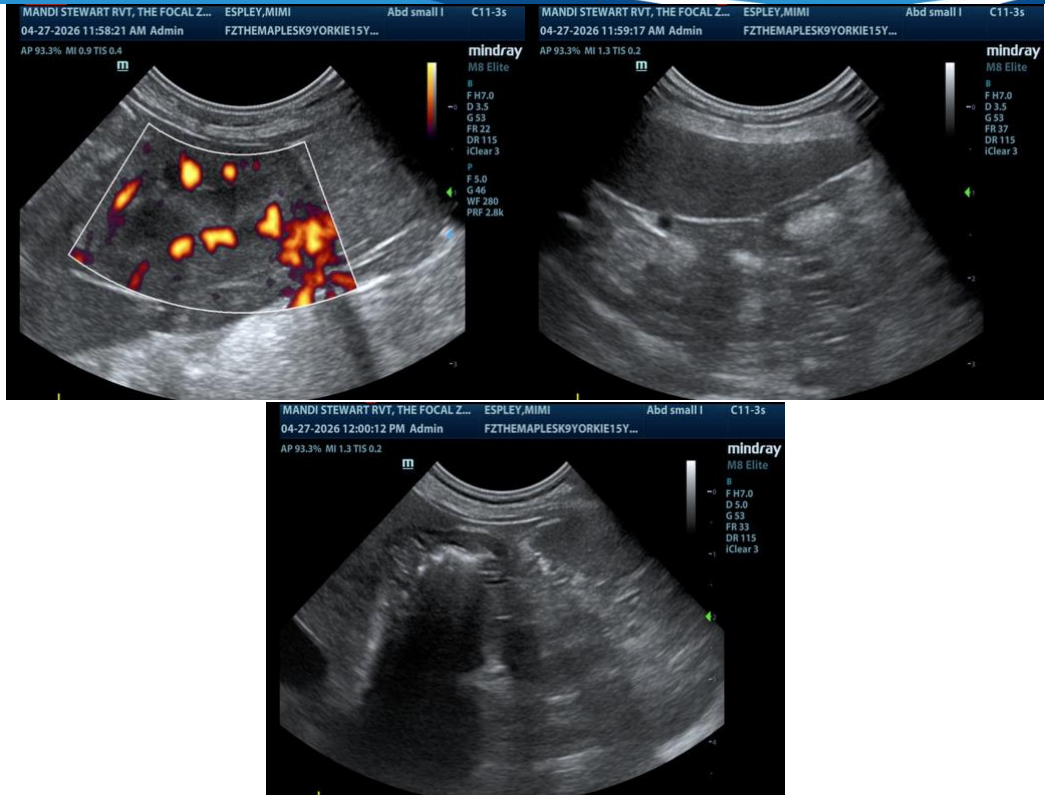
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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