



PATIENT

Dexter Mcateer

PRESENTING CLINICAL SIGNS

Presented for urinary accidents. L anal gland mass noted

SPECIES

Canine

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 were noted. Ureteral papillae were normal.

BREED

Maltese

SEX

Neutered Male

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 3.8 cm. The right kidney measured 3.66 cm.

AGE

9 Years

Adrenal Glands

The right adrenal gland was 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 1.52 cm x 0.47 cm at the caudal pole.

WEIGHT

10 Pounds

The left adrenal gland was enlarged, hypoechoic, mildly heterogeneous and irregular, measuring 2.11 cm x 1.23 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Dr. Rodriguez

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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REFERRING VET

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Gastrointestinal

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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.

DATE

10/11/21

Pancreas



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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

Free Abdomen

Multiple iliac lymph nodes were enlarged, irregular and hypoechoic, strongly suggestive for metastatic neoplasia. The iliac lymphadenopathy extended into the sublumbar space.

BREED

Maltese

The anal gland region revealed multiple masses, a grouping of which measured approximately 2.0 cm. This does not appear surgical. The echotexture is that of the iliac/sublumbar lymphadenopathy. The anal gland pathology appeared to be ill-defined.

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Enlarged, irregular anal glands with loss of detail – consistent with carcinoma
- Sublumbar/iliac lymphadenopathy – strongly consistent with metastatic disease
- Irregular left adrenal gland – likely hyperplasia, minor potential for carcinoma or pheochromocytoma

AGE

9 Years

WEIGHT

10 Pounds

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SPECIES

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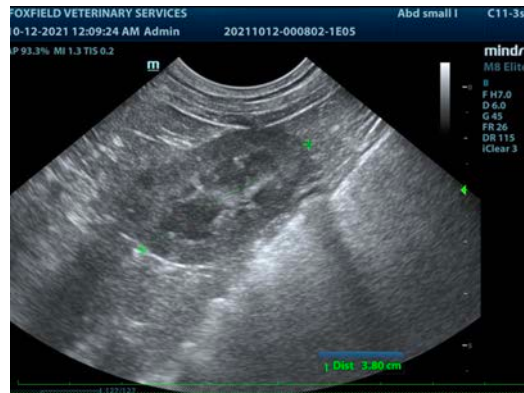
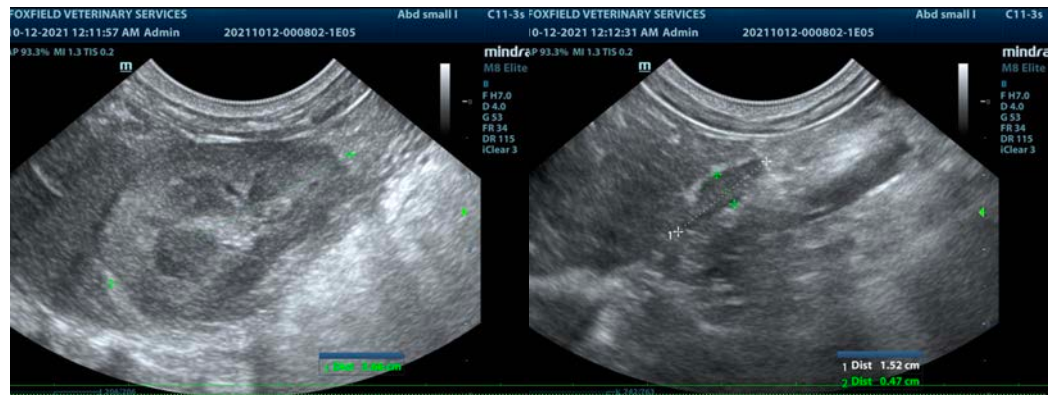
Neutered Male

AGE

9 Years

WEIGHT

10 Pounds



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

IMAGING PERFORMED BY

Dr. Rodriguez

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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