



PATIENT

Muttley Leibe

PRESENTING CLINICAL SIGNS

rapid weight loss; increased appetite unusual multilobulated; firm SQ mass located right inguinal area (this was ultrasounded)

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: CBC/Chem - WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Pit Bull X

Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

SEX

Neutered Male

The prostate is normal in size (1.28 cm) and shape for this neutered male dog. The parenchyma is homogenous and the external margins are smooth. The prostatic urethra appears normal with no evidence of irregularity, invasion, mass effect or calculi.

AGE

14.5 Years

The left kidney has a normal shape and size (5.49 cm). Overall echogenicity is slightly hyperechoic with mildly reduced corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

24.9 kg

The right kidney has a normal shape and size (5.76 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

Adrenal Glands

The left adrenal gland is normal in size measuring 0.70 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

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The right adrenal gland is normal in size measuring 0.70 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

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Spleen

The spleen is subjectively normal in size. The spleen echotexture is heterogenous and mildly mottled, the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

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Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is heterogenous in echotexture with subtle, indistinct focal mottling. The visible portions of the vasculature and biliary tract appear normal. There is a small 1.3 cm hypoechoic nodule visualized within the parenchyma on the right side. Additionally, there is a cystic structure measuring 0.78 cm near the gallbladder.

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The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.

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Gastrointestinal

Muttley Leibe

The stomach contains a large amount of intraluminal shadowing material. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

SPECIES

Canine

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. Duodenum wall measures 0.49 cm. Jejunum wall measures 0.40 cm. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

BREED

Pit Bull X

SEX

Neutered Male

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

AGE

14.5 Years

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

WEIGHT

24.9 kg

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. The sublumbar lymph node is prominent, measuring 0.51 cm in diameter. The mesentery is of normal echogenicity.

Other

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A subcutaneous solid, mixed echogenic mass effect is visualized in the inguinal area, measuring 2.07 cm x 2.63 cm.

ULTRASONOGRAPHIC FINDINGS

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- Decreased corticomedullary distinction in both kidneys – The bilateral renal findings are consistent with age-related change.
- Subjectively mildly mottled spleen – The diffuse splenic changes are non-specific and could be consistent with lymphoid hyperplasia, extramedullary hematopoiesis, infiltrative neoplasia, inflammation, other. Cytology or histopathology would be necessary to get a definitive diagnosis.
- Heterogeneous liver with a small hypoechoic nodule and a cystic lesion – The hepatic changes are consistent with age-related parenchymal remodeling and are not considered clinically significant at this time. The appearance of the hypoechoic nodule trends towards a benign lesion, although an underlying neoplastic process cannot be ruled out. The cystic lesion has the appearance of a benign hepatic cyst.
- Shadowing material within the gastric lumen – Correlate this with the feeding history. If this patient was adequately fasted, then correlate with abdominal radiographs and serial imaging to see if the stomach empties. If not, consider ingested foreign material, delayed gastric emptying, etc.
- Prominent sublumbar lymph node – The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is

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PATIENT considered less likely.

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- Mixed echogenic irregular inguinal mass – Recommend a fine needle aspirate.

SPECIES INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Canine
 Breed: There are some age related changes associated with the kidney and liver. The spleen appears somewhat mottled. Consider a fine needle aspirate, provided coagulation parameters are normal. Additionally, there is a hypoechoic nodule in the liver. Recommend continued monitoring with ultrasound.

BREED
 Pit Bull X
 There is some shadowing material within the gastric lumen. If this patient ate prior to the scan, this could be normal ingesta. If the patient was adequately fasted, consider evaluation for ingested foreign material, delayed gastric emptying, etc.

SEX
 Neutered Male
 There is a large subcutaneous inguinal mass. Recommend fine needle aspirate with cytology to look for a lesion that could have systemic implications (mast cell tumor, etc.).

AGE
 14.5 Years
 Recommend three view thoracic radiographs to evaluate for possible concurrent thoracic disease/involvement.

14.5 Years

WEIGHT

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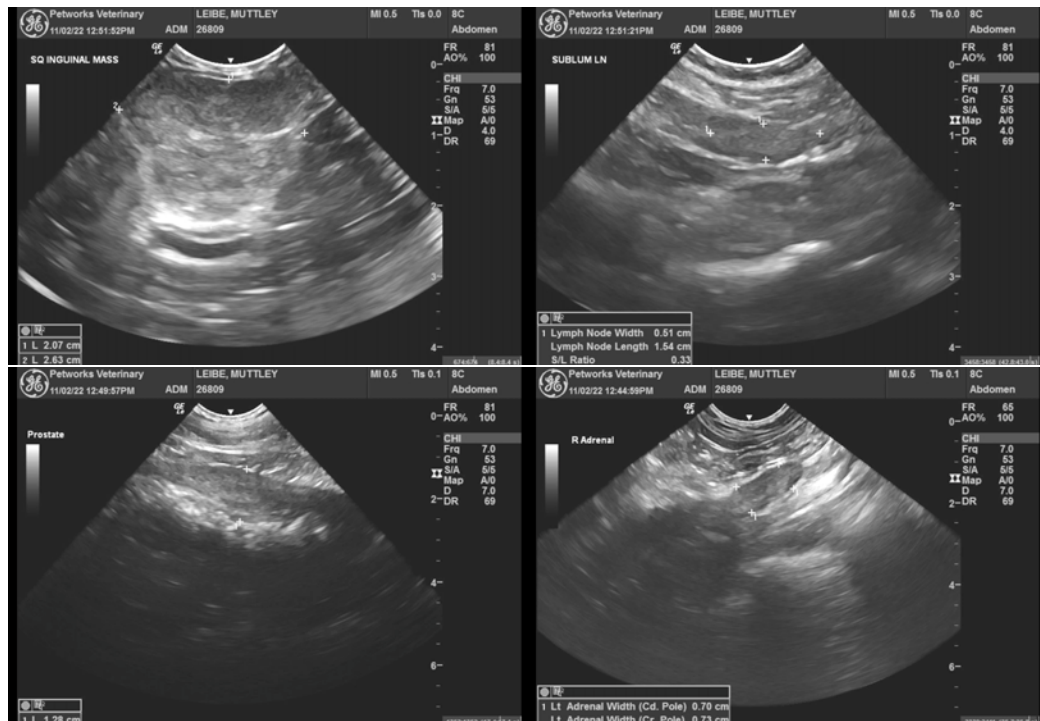
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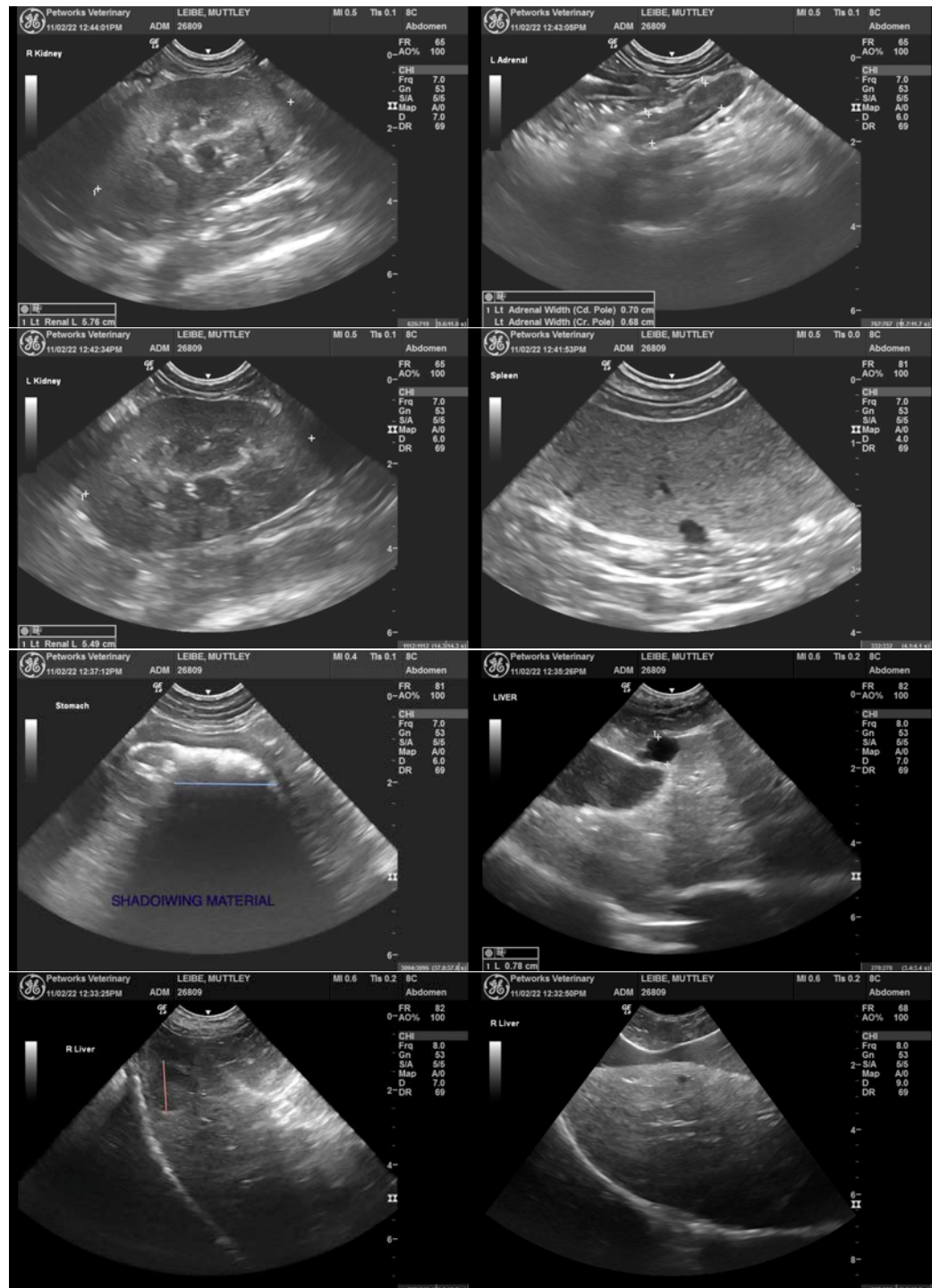
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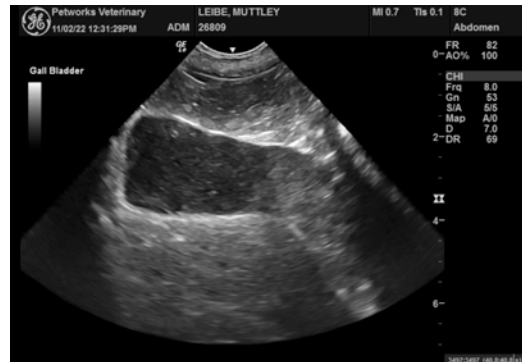
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AGE

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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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com