



**PATIENT**

Luke Skywalker  
Dutterer

**SPECIES**

Canine

**BREED**

Pit Bull

**SEX**

Neutered Male

**AGE**

6 Years

**WEIGHT**

106.2

**INTERPRETED BY**

Jessica Midence, DVM,  
DACVIM (SAIM)

**IMAGING  
PERFORMED BY**

Dr. Hadley Harris

**HOSPITAL NAME**

TotalBond VH-Bethel

**REFERRING VET**

Dr. Gabi Shook

**INVOICE**

21551

**DATE**

3/10/23

**PRESENTING CLINICAL SIGNS**

History: Luke presented for sudden onset of a subcutaneous 15x16x1.5cm firm mass on the right front lateral elbow. Owners report noticing the mass ~1week ago and has been growing. He is also having occasional urinary accidents in the house and vomiting intermittently. FNA of the mass showed TNTC mast cells. Goal of ultrasound is staging before oncology treatments. Chest rads and bloodwork pending.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder mucosa, trigone, and visible urethra are normal in thickness and there is no evidence of mucosal irregularities. The bladder lumen is moderately distended with anechoic urine and bladder thickness is considered normal for volume of urine. No masses, inflammatory changes or calculi are observed.

The left kidney is normal in size, shape and architecture with smooth peripheral margins and measures 7.3 cm. There is normal corticomedullary distinction and normal echogenicity. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney is normal in size, shape and architecture with smooth peripheral margins and measures 7.79 cm. There is normal corticomedullary distinction and normal echogenicity. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

**Adrenal Glands**

The left adrenal gland is normal in size (cranial pole 0.34, caudal pole 0.41 cm). The left adrenal gland has normal shape and it is normal in appearance and echogenicity.

The right adrenal gland is normal in size at 0.6 cm. The right adrenal gland has normal shape and it is normal in appearance and echogenicity.

**Spleen**

The splenic echotexture is homogeneous with parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule is smooth with no irregularities. The splenic vasculature is normal without signs of congestion or thrombosis. The spleen measures 1.6 cm thick.

**Liver**

The liver is subjectively normal in size with normal contours, structure, with smooth peripheral margins. The echogenicity appears mildly hyperechoic, almost having a vacuolar hepatopathy/endocrine appearance. No overt evidence of inflammatory, infiltrative or regenerative pathology is evident. The visible portions of the vasculature and biliary tract appear normal. No pathological hepatic lymphadenopathy observed.

The gallbladder lumen is moderately distended with anechoic bile. The wall is a normal thickness and smooth. The cystic and common bile ducts are normal/not visible.

**Gastrointestinal**

The gastric lumen is empty. The stomach wall is of normal wall thickness measuring 0.32 cm with some variability due to rugal folds. There is normal gastric wall layering. There are no masses or focal lesions observed.



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The visualized areas of duodenum, jejunum and ileum appear normal in thickness. The duodenum measures normal at 0.29 cm with distinct wall layering. The jejunum also measures normal at 0.45 cm thick with normal wall layering. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. No focal lesions observed.

**SPECIES**

Canine

The sections of colon are visualized with formed fecal material and gas shadowing distally. The colon measures normal. There is no observed focal or generalized colon wall thickening or loss of layering.

**BREED**

***Pancreas***

Pit Bull

The area of 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. The visible pancreatic duct was normal.

**SEX**

Neutered Male

***Free Abdomen***

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. The omentum is of normal uniform echogenicity. There is a cluster of mildly enlarged mesenteric lymph nodes that were slightly hypoechoic. An example measured 2.0 cm x 1.4 cm. The lymph nodes appeared reactive.

**AGE**

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**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

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- Mildly reactive mesenteric lymph nodes
- Mild hyperechoic liver

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The result of this sonographic exam is mostly normal with the exception of a small cluster of mesenteric lymph nodes that appear reactive. The spleen appears normal, and while there were some hyperechoic changes to the liver, the concern for mast cell tumor is low and not suspected. Having said that, fine needle aspirates of the liver and spleen could be considered for complete staging.

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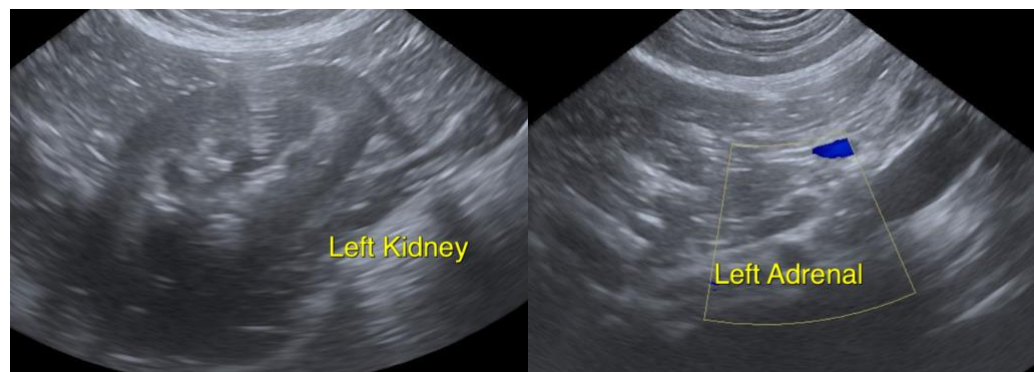
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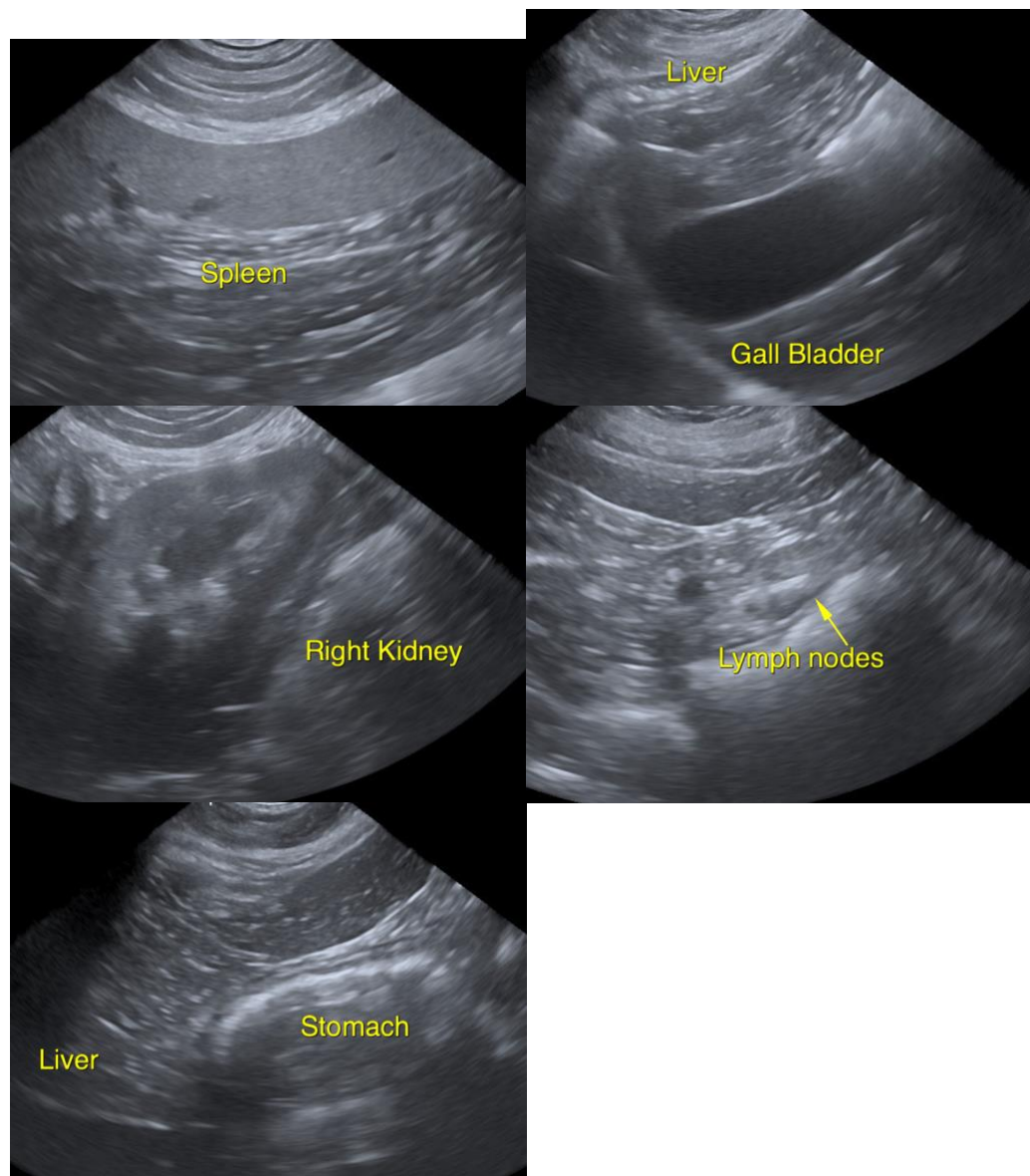
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Jessica Midence, DVM, DACVIM (SAIM)

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