



PATIENT PRESENTING CLINICAL SIGNS

Burke Paget Anorexia x1-2 weeks, lethargy. Hx of Leukemia

SPECIES Abnormal PE/Chem/CBC/UA Results: HCT 13%, ALP 153, TP 5.5, Ca 7.6, nEUT 13.3

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

DSH The urinary bladder is moderately distended with mild primarily suspended echogenic debris present. 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 calculi. Echogenic debris of this type can be associated with small crystals, cellular debris and proteinaceous debris.

SEX

Neutered Male

The left kidney has a normal shape and size (3.19 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.

AGE

11 Years

WEIGHT

6.5 Pounds

The right kidney has a normal shape and size (3.4 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 region of left adrenal (Cranial to left renal artery) is unremarkable but the adrenal is not distinctly visualized. No evidence of a mass effect is visualized.

The region of the right adrenal (between right cranial kidney and vena cava) is unremarkable, but the adrenal is not distinctly visualized. No evidence of a mass effect is visualized.

IMAGING PERFORMED BY

Dr. Travis Cerf

Spleen

The spleen is subjectively normal in size (0.74 cm), echotexture is homogenous, and 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.

HOSPITAL NAME

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Hardyson

Liver

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

REFERRING VET

Dr. Sydney Striegel

INVOICE

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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.

DATE

8/17/23



PATIENT *Gastrointestinal*

Burke Paget The stomach is minimally distended with a small amount of fluid. The gastric wall appears focally thickened with complete loss of layering. In this region the gastric wall measures 1.27 cm and extends over 5.6 cm.

SPECIES

Feline

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. Jejunum wall measures 0.20 cm. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

BREED

DSH

SEX

Neutered Male

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

11 Years

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

Free Abdomen

WEIGHT

6.5 Pounds

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. There is a significant mesenteric lymphadenopathy with hypoechoic rounded large lymph nodes. There is a very large mass effect/lymph node in the cranial abdomen measuring 2.02 cm x 2.81 cm. Additionally, a gastric lymph node measures 0.93 cm. The omentum is diffusely hyperechoic.

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Other

The large mass effect in the cranial abdomen is most consistent with a large lymph node/mass. A pancreatic mass lesion cannot be excluded as an alternate possibility.

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ULTRASONOGRAPHIC FINDINGS

- Echogenic debris in the urinary bladder – The echogenic debris in the bladder lumen could be consistent with cells, crystals, and/or mucus.
- Focal severe gastric wall thickening with complete loss of layering – Findings are concerning for a mass effect (round cell neoplasia, carcinoma, other). Severe gastritis is possible.
- Diffuse severe lymphadenopathy – The severe mesenteric lymphadenopathy is most concerning for a neoplastic process, although you can see significant lymphadenopathy in some cases of autoimmune/inflammatory disease, infectious disease (tick born disease-such as bartonella, fungal infections, FIP (cats)) etc. A fine needle aspirate with cytology is recommended for further evaluation. The large cranial abdominal lymph node could be associated with the pancreas.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Recommend a fine needle aspirate of the gastric wall and the large cranial abdominal mass effect/lymph node. If a cytologic diagnosis cannot be obtained, surgical biopsies may be necessary. Given the severe anemia present and the history of leukemia, a diffuse neoplastic process would be a primary differential.



PATIENT

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

Burke Paget

SPECIES

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PERFORMED BY**

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REFERRING VET

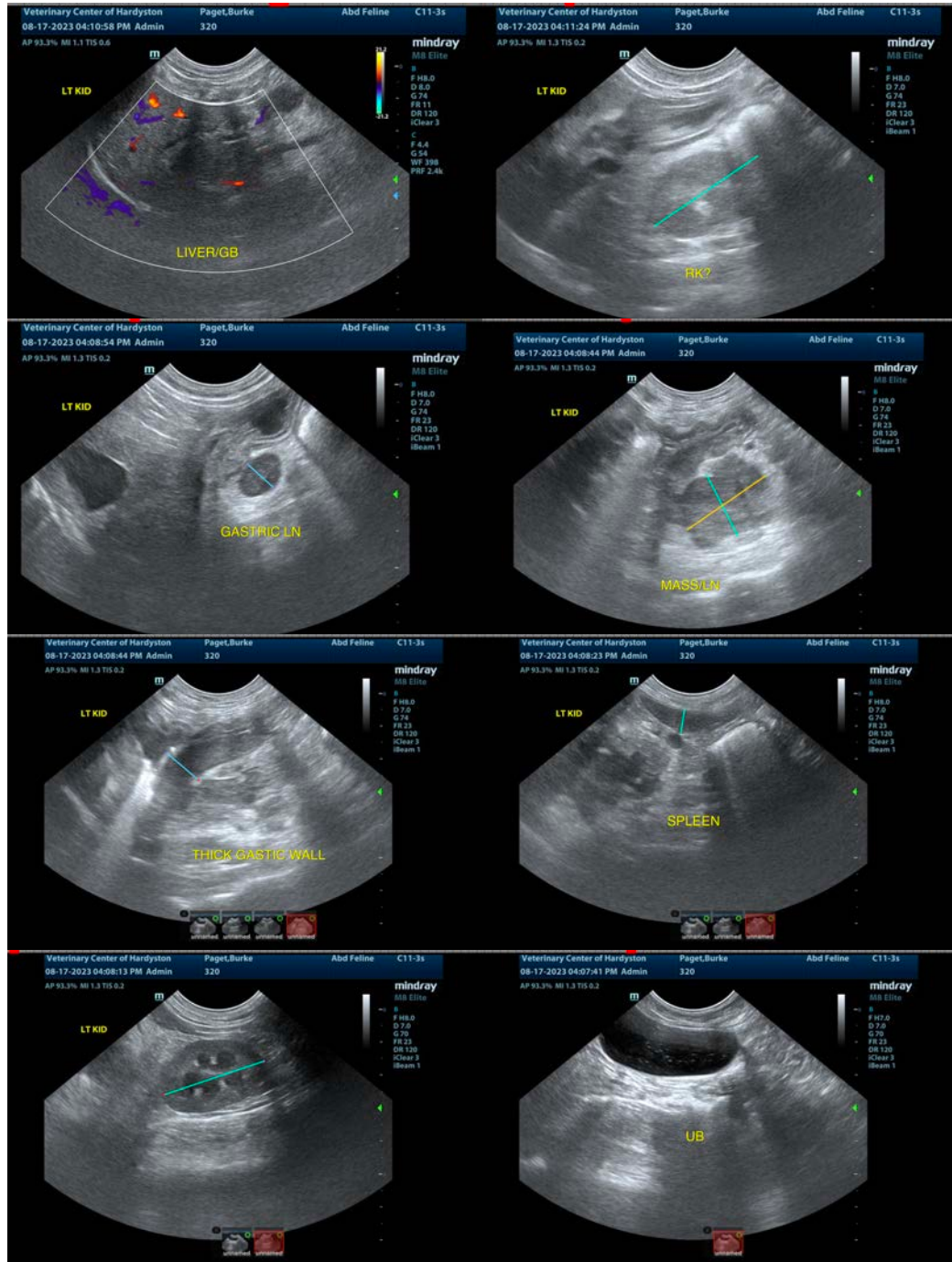
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PATIENT

Burke Paget

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.

SPECIES

Feline

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.

BREED

DSH

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

SEX

Neutered Male

info@sonopath.com

AGE

11 Years

WEIGHT

6.5 Pounds

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