



PATIENT PRESENTING CLINICAL SIGNS

Rebel Griffin History: Patient presents for abdominal ultrasound due to soft tissue sarcoma confirmed via FNA. Looking for any signs of metastasis/internal neoplasia prior to surgery.
Abnormal PE/Chem/CBC/UA Results: Bloods WNL as of 1/20/23.

SPECIES Sarcoma is located in the right inguinal area.
Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Mastiff *Urinary System*

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Male, neutered

AGE

5 Yrs.

The prostate is mildly enlarged (2.37 cm in width) with relatively smooth peripheral contours. The parenchyma is heterogeneous in appearance with a few ill-defined hyperechoic areas. The prostatic urethra is not overtly dilated.

WEIGHT

100 lbs.

The left kidney is normal size (7.54 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

The right kidney is normal size (7.33 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.63 cm at cranial pole) (0.57 cm at caudal pole) (2.83 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Kelly Vazquez, CVT

The right adrenal gland is normal size (1.76 cm at cranial pole) (0.63 cm at caudal pole) (2.41 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

HOSPITAL NAME

Ramapo Valley

Spleen

REFERRING VET

Dr. Katara

The spleen is normal in size (2.41 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

INVOICE

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The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of

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congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

SPECIES

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Gastrointestinal

The gastric lumen is distended with ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is segmentally dilated with chyme. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

BREED

Mastiff

Pancreas

A portion of the pancreas is obscured by the gastric distention. In the visualized portions, no obvious abnormalities are seen.

SEX

Male, neutered

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

AGE

5 Yrs.

Other

WEIGHT

100 lbs.

In the right inguinal area, a 4.05 x 3.33 cm irregular heterogeneous mass is observed in the subcutaneous region.

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ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Subcutaneous right inguinal mass- previously diagnosed sarcoma.
- The prostate changes could be consistent with resolving hyperplasia (if the patient was recently neutered). Alternatively, prostatitis or emerging neoplasia are possible. Correlation with the patient's clinical history is recommended.

IMAGING PERFORMED BY

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Secondary Findings:

- If the patient was fasted for this study, the presence of ingesta within the gastric lumen could suggest delayed gastric emptying.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Dr. Katara

- Three-view thoracic radiographs are recommended to assess for pulmonary metastatic disease, if not already performed.
- Consider consultations with a board-certified surgeon and oncologist for further diagnostic and treatment recommendations.
- Regarding the prostate changes, consider a urinalysis, culture and sensitivity +/- a urine BRAF test (to assess for prostatic neoplasia).

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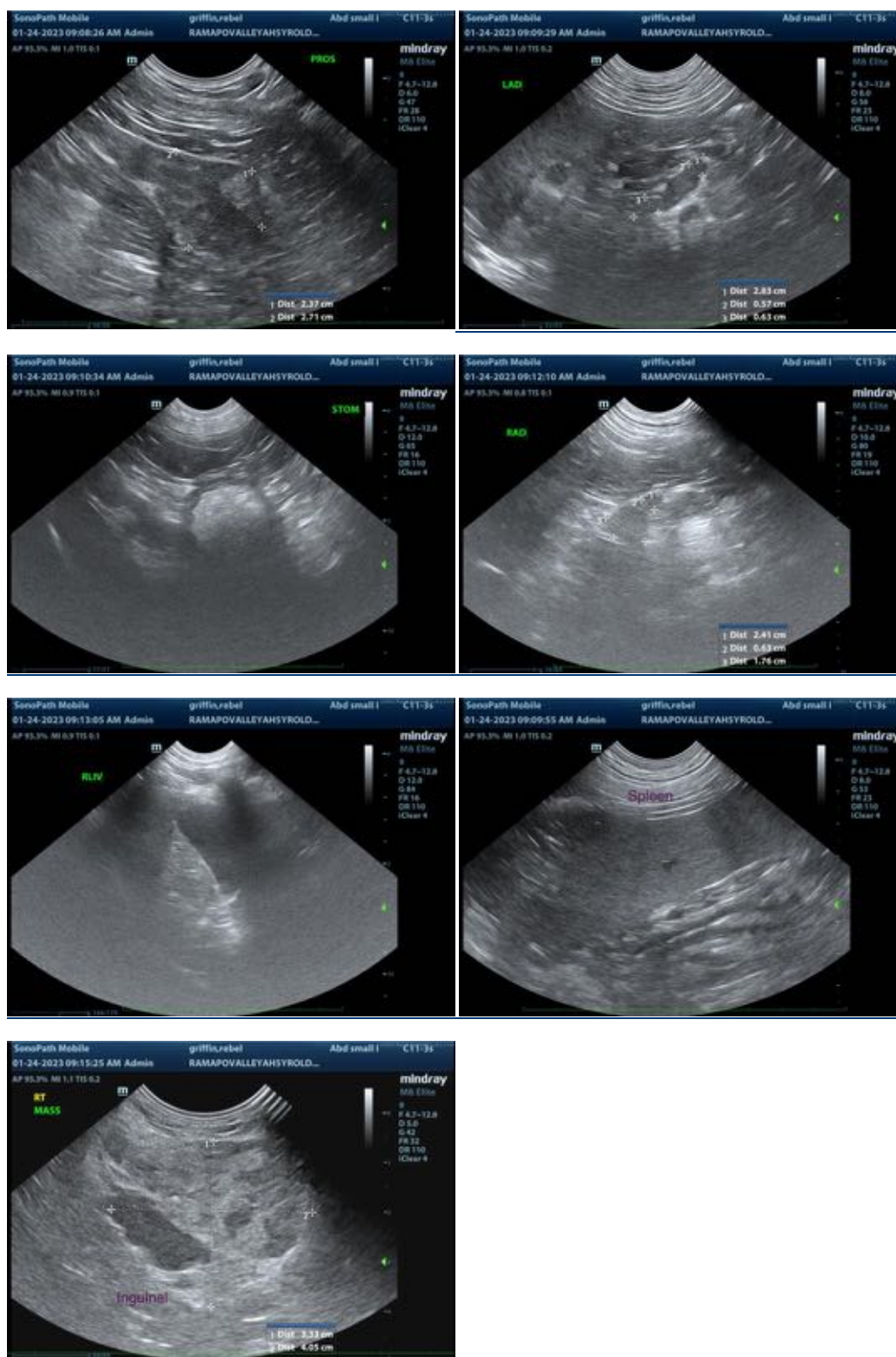
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The information and recommendations provided are based on the images presented by the referring



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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.

SPECIES

Canine

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info@SonoPath.com

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