



PATIENT PRESENTING CLINICAL SIGNS

Lady Hagan History: Chronic renal disease, mild liver elevations, decreased appetite, possible caudal abdominal mass

SPECIES Medication: SQF NaCl, benazepril, phosphate binder

Canine BUN 100, Creatinine 4.0, SDMA 2.6, Phosphorus 7.9, HCT 30.2

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Pitbull **Urinary System**

SEX The urinary bladder exhibited normal structure and tone without evidence of overdistention or overt inflammatory or neoplastic mural criteria. Anechoic urine was present with no sediment or calculi. FS The proximal urethra was not definitively visualized owing to the caudal abdominal mass.

AGE Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia was present in the left kidney. The left kidney measured 5.3 cm in length. 14 years The right kidney measured 5.9 cm in length.

WEIGHT The right kidney measured 5.9 cm in length.

35 Pounds **Adrenal Glands**

The left adrenal gland was mildly enlarged in size measuring 0.65 cm width at the cranial pole and 0.77 cm width at the caudal pole.

INTERPRETED BY The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. R. McKenzie Daniel, DVM, DABVP (Canine and Feline) The right adrenal gland measured 2.8 cm length x 0.58 cm width at the caudal pole.

IMAGING PERFORMED BY Spleen

Rebekah Jakum, CVT ARDMS/RVT A mass involving the spleen with secondary asymmetrical capsule expansion and disruption was present and measured approximately 6.0 cm in diameter. The parenchyma of the mass was heterogeneous to mixed echogenic with areas of cavitation. The splenic parenchyma not associated with the mass exhibited generalized heterogeneity. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Regional omental inflammation was present around the mass.

HOSPITAL NAME Liver/ Gallbladder

Easton AH The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

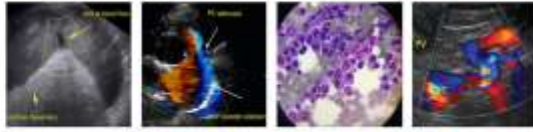
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PATIENT *Gastrointestinal*

Lady Hagan The stomach presented intact yet mildly prominent wall layering. The stomach lumen was empty with mild luminal gas.

SPECIES The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Canine Normal visible colon wall layers were present with apparent formed feces in lumen.

BREED *Pancreas*

Pitbull The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

SEX

FS *Free Abdomen*

AGE Undifferentiated nonhomogeneous to cavitated mass occupying the caudal abdomen In the area of the iliac trifurcation, as well as dorsal to the urinary bladder extending caudally to the approximate level of the urethra. Small pockets of scant peritoneal free fluid were present.

14 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT *Primary Findings*

35 Pounds

- Undifferentiated caudal abdominal mass in the area of the iliac trifurcation and dorsal the urinary bladder
- Nonhomogeneous to cavitated splenic mass
- Bilateral chronic renal changes with mild left kidney pyelectasia
- Subjective mild hepatic parenchymal remodeling, likely benign

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

This study is consistent with multicentric neoplasia involving the spleen including undifferentiated caudal abdominal mass. Multicentric sarcoma is considered a primarily differential diagnosis vs. other neoplastic etiologies. Pending splenic cytology, oncology consultation could be considered. Three view chest radiographs are recommended for further staging. However, unfortunately, an unfavorable prognosis is indicated as this case appears to be nonsurgical.

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Easton AH

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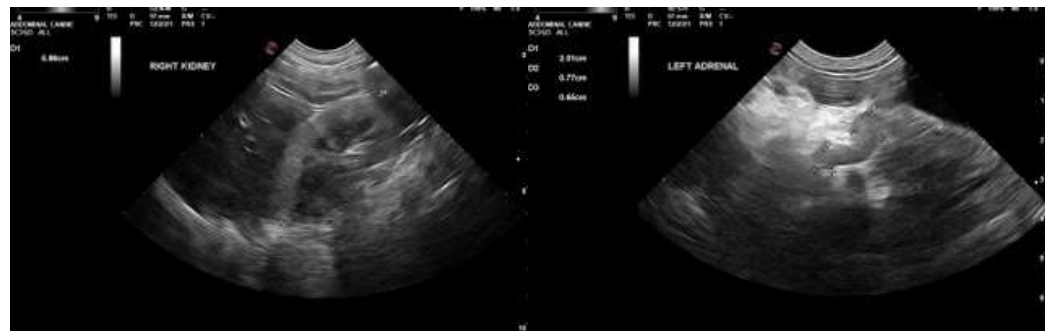
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PATIENT

Lady Hagan

SPECIES

Canine

BREED

Pitbull

SEX

FS

AGE

14 years

WEIGHT

35 Pounds

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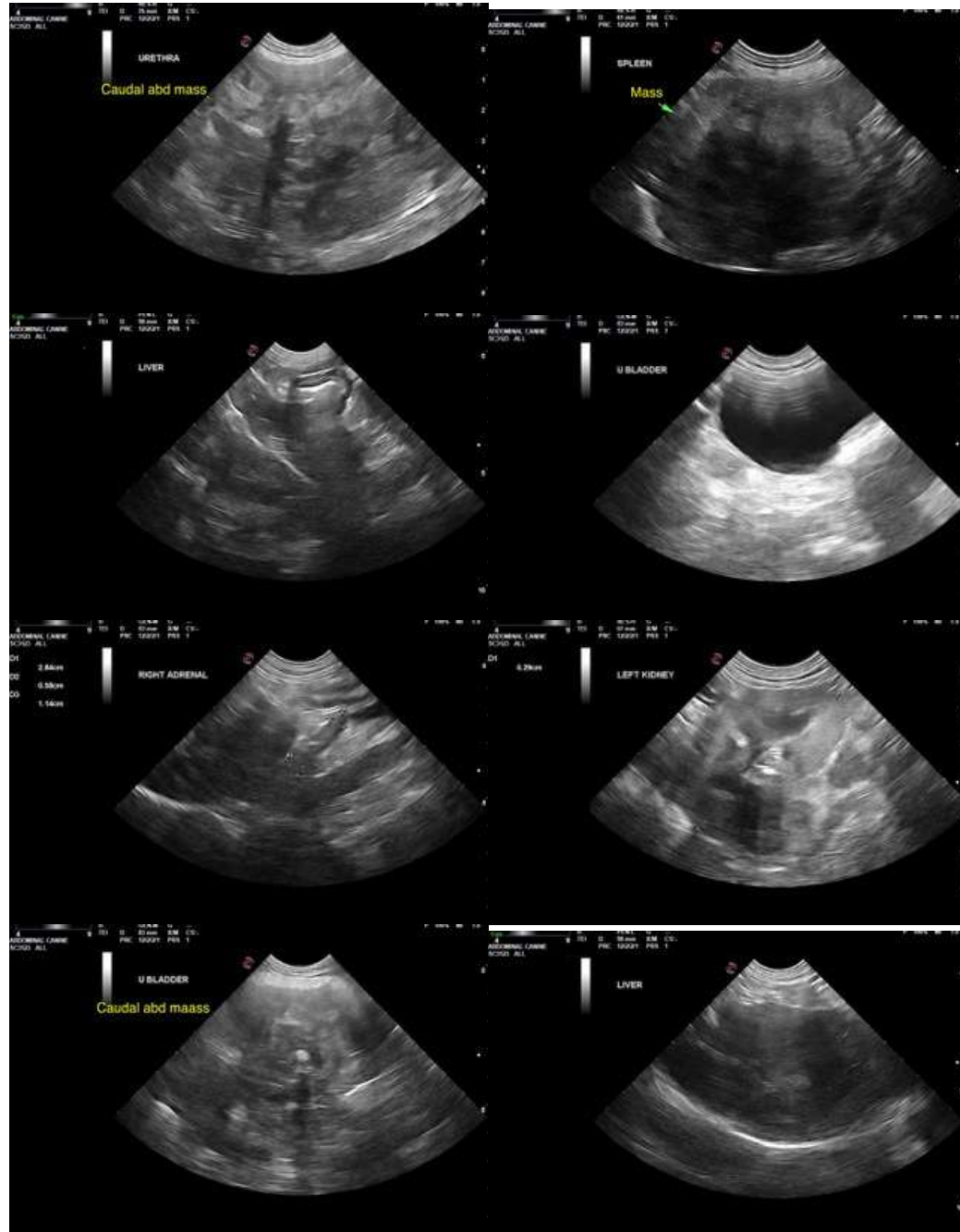
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
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