



PATIENT PRESENTING CLINICAL SIGNS

Zoey Berg Hematuria, gallstones, elevated lymphocyte count
Abnormal PE/Chem/CBC/UA Results: USG 1.023, 1+ pro, glu neg, 3+++ blood

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Bichon Frise

A sessile based mass appearing to derive from the dorsal wall extending into the bladder lumen with asymmetrical margination was present and measured 2.1 cm x 1.6 cm. The parenchyma of the mass was heterogeneous with focal echogenic foci and mineralization. Doppler evaluation of the mass confirmed blood flow within the mass. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal.

SEX

FS

AGE

2008

Normal size and margination was 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 loss of corticomedullary symmetry and definition expected for the age of the patient. Bilateral mild pyelectasia was present. The left kidney measured 3.8 cm in length. The right kidney measured 4.2 cm in length.

The area of the aortic trifurcation was free of pathology.

WEIGHT

10.2

Adrenal Glands

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.5 cm length and 0.47 cm width in the caudal pole.

INTERPRETED BY

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

A non-homogeneous to mixed echogenic mass was present in the area of the right adrenal gland and adjacent to surrounding vasculature measuring ~ 3.4 cm x 3.3 cm.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY
Rebekah Jakum, CVT
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HOSPITAL NAME

Maple Hills VH

Liver

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.

REFERRING VET

Dr. Banzhof

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild to moderate congealed mildly hyperechoic debris primarily in the caudal lumen and gallbladder neck. The cystic and common bile ducts were normal.

INVOICE

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Gastrointestinal

DATE

09/08/2022



PATIENT The stomach presented intact yet mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild luminal gas and no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured 0.42 cm in width.
 Zoey Berg

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*

Bichon Frise The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

SEX No overt lymphadenopathy or peritoneal effusion was present.

FS

AGE **ULTRASONOGRAPHIC FINDINGS**

- 2008
- Sessile based urinary bladder mass
 - Bilateral chronic renal changes with mild pyelectasia
 - Right adrenal mass
 - Hepatic parenchyma remodeling
 - Mild to moderate gallbladder debris (non-mucocele)

WEIGHT

10.2

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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The urinary bladder mass is strongly suggestive of neoplastic criteria i.e. transitional cell carcinoma. No overt evidence of regional metastatic disease was observed. A cytospin cytology of a free catch urine sample to assess for atypical neoplastic transitional cells as well as a screening BRAF assay could be considered.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

The right adrenal mass is strongly suggestive of neoplastic criteria i.e. pheochromocytoma, adenocarcinoma or other. Concern for early vascular invasion associated with the right adrenal mass is warranted yet not definitive. Screening BP to assess for evidence of hypertension which may allude to a right adrenal pheochromocytoma is recommended. If evidence of hypertension is present or for further assessment, concurrent urine catecholamine levels could be considered.

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An unfavorable long-term prognosis is unfortunately indicated.

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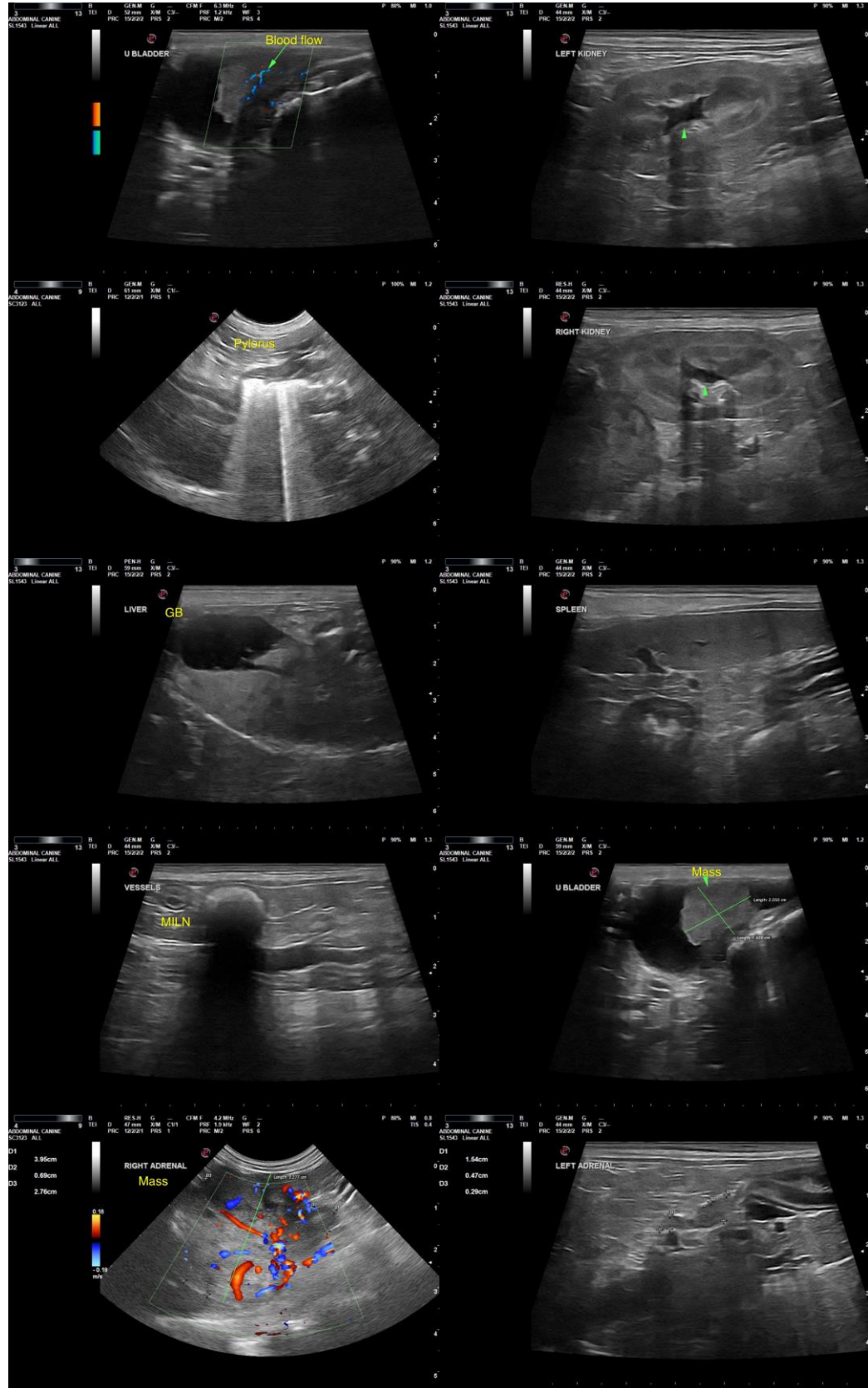
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PATIENT

Zoey Berg

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

Canine

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

Bichon Frise

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