



PATIENT PRESENTING CLINICAL SIGNS

Molly Mashraky Elevated renal values on pre operative OVH bloodwork.
 Medication: NutriVed with iron

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED The urinary bladder was normal in size and tone containing anechoic urine. No evidence of luminal sediment or calculi was noted. Minor nonobstructive mineral was noted in the distal ureter at the level of the ureteral papilla. The urethra exhibited normal structure and tone to a depth of 2.0 cm.

Bichon Frise mix

SEX No overt pathology was noted in the area of the uterine remnant or aortic trifurcation.

FS Subjective mild subnormal left kidney size was noted. A normal 1:3 cortex / medulla ratio was maintained with moderate to marked loss of corticomedullary border demarcation and reduced medullary volume. Pinpoint medullary mineral and intermittent cortical cysts were present in the left kidney. No evidence of pelvic dilation was noted. The left kidney measured 3.2 cm in length.

AGE

6 months Subjective mild subnormal right kidney size was noted with mild asymmetrical margination. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary border distinction was also present. No pyelectasia was noted. Minor reduced renal medullary volume was present. The right kidney measured 3.7 cm in length.

WEIGHT

6.6

INTERPRETED BY

Adrenal Glands

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.5 cm length x 0.28 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.8 cm length x 0.35 cm width at the caudal pole.

IMAGING

Spleen

PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

HOSPITAL NAME

Cherryville AH

REFERRING VET

Liver/ Gallbladder

Dr. Miller

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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.

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Gastrointestinal

DATE

9-22-22

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.



PATIENT

Molly Mashraky

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.

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

SPECIES

Pancreas

Canine

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.

BREED

Bichon Frise mix

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

AGE

6 months

- Bilateral renal dysplasia, potential for nonspecific chronic nephritis i.e., interstitial nephritis, pyelonephritis
- Minor nonobstructive distal ureteral mineral at the level of the ureteral papilla - suspect passage of minor mineral potentially from the kidneys

WEIGHT

6.6

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically, the appearance of the bilateral kidneys, given the patient's age, is most consistent with congenital renal dysplasia, although the possibility of underlying or concurrent nephritis i.e., interstitial nephritis, pyelonephritis, or other could be possible. Full urinary workup including urinalysis as well as additional staging to include C/S and baseline UPC is recommended.

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(Canine and Feline)

Assessment and monitoring of systemic blood pressure is advised. Renal biopsy would be required for a definitive diagnosis, yet may potentially further affect renal function. Essential therapy for CKD is recommended. A guarded to very guarded long-term prognosis is indicated.

IMAGING

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ARDMS/RVT

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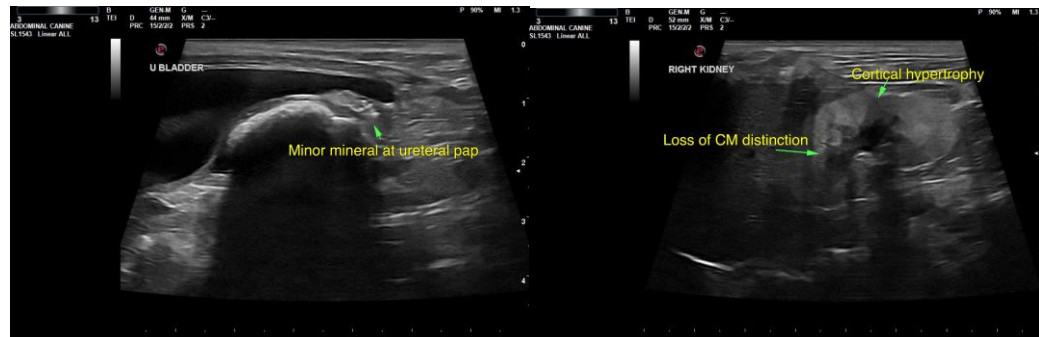
Dr. Miller

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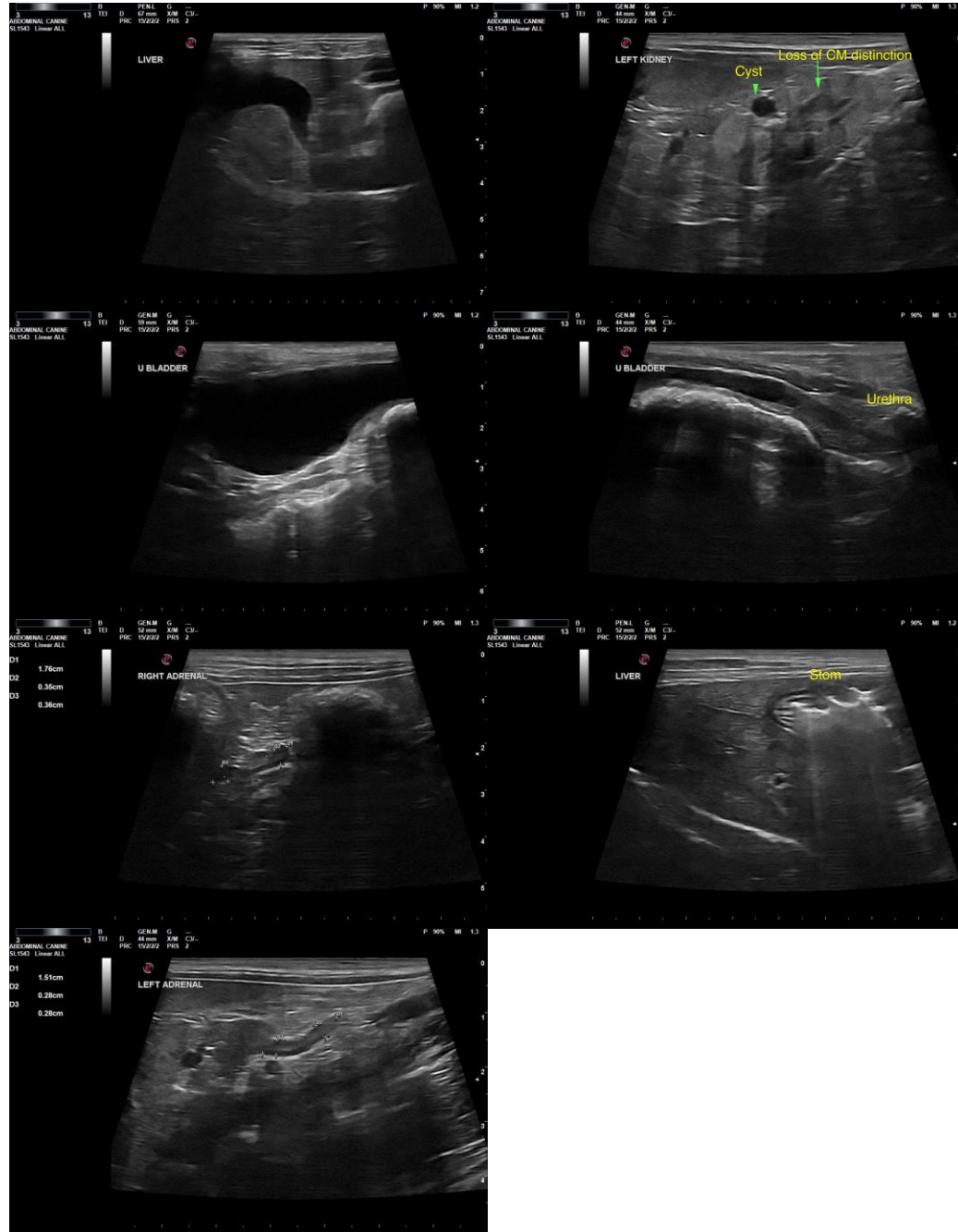
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

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

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