



**PATIENT PRESENTING CLINICAL SIGNS**

Monty Chen Mass over pelvis - open Qbc in urine and mild azotemia r/o: UTI, stones, prostatitis, pyelonephritis, neoplasia, open Recommend abdominal ultrasound to further evaluate bladder, kidneys.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

BREED

Retriever Mix

The urinary bladder was normal in size and tone with moderate non-dependent sediment as well as potential focal dependent sediment vs dorsal trigone polyploid lesion measuring ~ 0.8 cm in diameter, The cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MN

AGE

8yr

Normal renal size with asymmetrical margination was present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be mildly hypertrophied resulting in an altered cortex: medulla ratio and exhibiting small multi-focal cortical cysts. Pinpoint medullary hypoechoic foci which may indicate pinpoint areas of corticomedullary mineralization, fibrosis or micro-infarction were present, Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. The left kidney measured 6.8 cm in length. The right kidney measured 5.5 cm in length.

WEIGHT

46.80lb

The residual prostate exhibited expected size and contour with subtle non-homogeneous parenchyma measuring 1.5 cm in diameter. No evidence of inflammatory or neoplastic criteria was noted.

**INTERPRETED BY**

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

The area of the aortic trifurcation was free of pathology.

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

**IMAGING PERFORMED BY**

Jenna Walsh CVT

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.59 cm width at the caudal pole and 2.0 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.44 cm width at the caudal pole and 3.0 cm length.

**HOSPITAL NAME**

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Clinic

**Spleen**

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.

**REFERRING VET**

Dr. Cox

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**Liver**

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.

**DATE**

09/12/2022



**PATIENT** *Gastrointestinal*

Monty Chen 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.

**SPECIES**

Canine

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.

**BREED**

Retriever Mix

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

**SEX**

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**Pancreas**

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 was evident.

**AGE**

8yr

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**WEIGHT**

46.80lb

- Moderate dependent to non-dependent potentially congealed urinary bladder sediment, possible small polyploid lesion in the area of the dorsal trigone
- Non-specific moderate chronic renal changes exhibiting pinpoint corticomedullary hyperechoic foci and intermittent cortical cysts
- Overtly normal residual prostate

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The renal presentation is suggestive of chronic nephropathy which may included non-specific chronic nephritis, early onset chronic renal changes or other. No overt evidence of renal neoplastic criteria was observed. Cystocentesis for urine C/S +/- baseline UPC could be considered. Appropriate antibiotic therapy with recheck C/S 7 days post completion of antibiotics may be indicated. Assessment of systemic BP for evidence of hypertension is suggested. Sonographic monitoring of the polyploid like lesion in the area of the dorsal trigone for evidence of progression or resolution would be ideal. Underlying neoplastic criteria is considered unlikely, screening BRAF assay +/- cytospin cytology of free catch urine sample to assess for abnormal transitional calls could be considered.

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**PATIENT**

Monty Chen

**SPECIES**

Canine

**BREED**

Retriever Mix

**SEX**

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**AGE**

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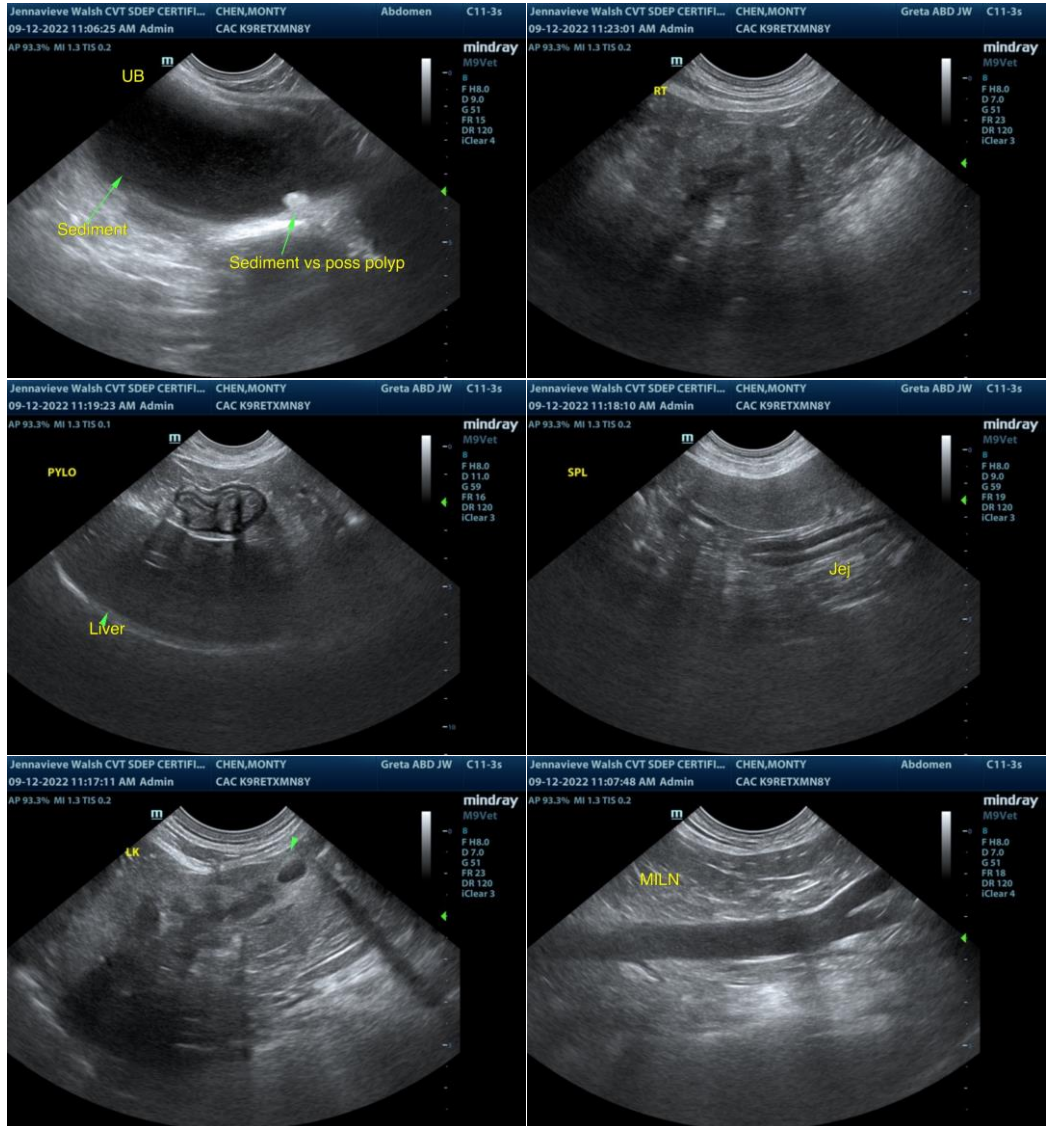
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**PATIENT**

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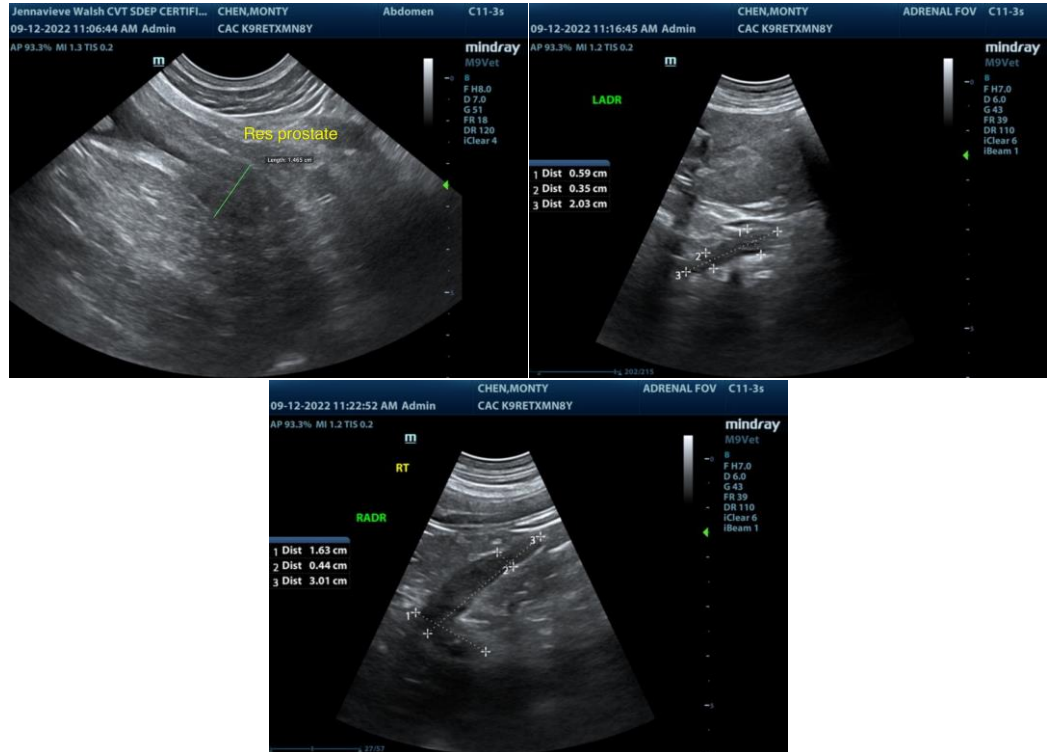
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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