

**PATIENT**

Abby White

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Female, spayed

**AGE**

9 Yrs.

**WEIGHT**

5..3 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Q Street AH

**REFERRING VET**

Dr. Bretschneider

**DATE**

7/12/22

**INVOICE**

13717

**PRESENTING CLINICAL SIGNS**

Abnormal PE/Chem/CBC/UA Results: elevated Creatinine, otherwise normal. owner wants to be pro active and figure out as much as possible about the kidney changes Crea = 2.3 (up to 1.6 normal on this scale)

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*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. The region of the trigone and the visible portion of the proximal urethra are normal.

The left kidney is normal size (3.33 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. An ill-defined hyperechoic medullary band is observed adjacent to the corticomedullary junction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney is normal size (3.24 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. An ill-defined hyperechoic medullary band is observed adjacent to the corticomedullary junction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

*Adrenal Glands*

One still image of the left adrenal gland is available for interpretation. The left adrenal gland is normal size (0.35 cm at cranial pole) (0.39 cm at caudal pole) (1.09 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.

One still image of the right adrenal gland is available for interpretation. The right adrenal gland is normal size (0.63 cm at cranial pole) (0.39 cm at caudal pole) (1.86 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.

*Spleen*

The spleen is normal in size (0.96 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.

*Liver*

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 normal in thickness. Polypoid like lesions are arising from the luminal surface. A moderate amount of adherent sludge is also present. The cystic and common bile ducts are normal/not seen.

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**Gastrointestinal**

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. 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**

Chihuahua

**Pancreas**

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The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

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**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 0.69 cm medial iliac lymph node is visible.

**WEIGHT**

5..3 lbs.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings:**

- Mild, non-specific age-related renal changes.

**Secondary Findings:**

- Gallbladder sludge, non-mucocele.
- The prominent medial iliac lymph node is likely reactive.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- A urinalysis +/- urine culture and sensitivity is recommended. If proteinuria is present, a UPC should also be considered.
- Also consider a baseline blood pressure measurement and transitioning to a prescription renal diet, if the patient is isosthenuric.
- Serial monitoring (i.e., every 3 months) of the patient's renal values is recommended to assess for progressive azotemia.

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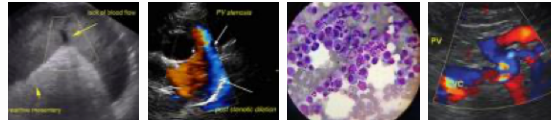
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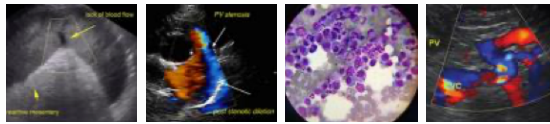


The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

[andrea.nicastro@sonopath.com](mailto:andrea.nicastro@sonopath.com)



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