



**PATIENT PRESENTING CLINICAL SIGNS**

Hudson Moore History: Diagnosed with cysteine bladder stones early in the year. Had them removed and was neutered in February. Has been doing fine since then. Is currently on a raw diet per owner preference.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Chihuahua

**Urinary System**

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. A scant amount of suspended echogenic debris is observed within the lumen. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, are normal.

**SEX**

Neutered Male

The prostate is normal in size (1.25 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

**AGE**

3 years

The left kidney is normal in size (4.98 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**WEIGHT**

29 lbs

The right kidney is normal in size (5.59 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**INTERPRETED BY**

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

**Adrenal Glands**

The left adrenal gland is normal in size (0.45 cm at cranial pole) (0.53 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

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The right adrenal gland is in normal size (0.41 cm at cranial pole) (0.41 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**HOSPITAL NAME**

Trinity Island VC

**Spleen**

The spleen is normal in size (1.53 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.

**REFERRING VET**

Kristi Oldham

**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 congestion. No pathological hepatic lymphadenopathy observed. The portal vein to caudal vena cava ratio is approximately 1: 1.

**INVOICE**

13682

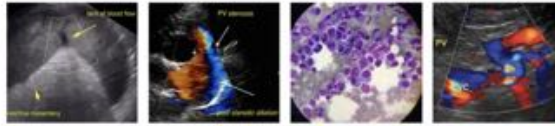
**DATE**

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The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

**Gastrointestinal**

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is mildly distended with ingesta. The gastric wall and pylorus are normal in thickness with a normal layering



**PATIENT**

Hudson Moore

pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

**SPECIES**

Canine

**Pancreas**

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.

**BREED**

Chihuahua

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 1.59 x 0.75 cm mesenteric lymph node is visualized.

**SEX**

Neutered Male

**Other**

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

**AGE**

3 years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

29 lbs

**Primary**

- The prominent mesenteric lymph node is likely reactive with a low possibility of emerging neoplasia.

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\*There is no evidence of uroliths on today's study.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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- Maintenance of alkaline urine (i.e., via low-protein, sodium-restricted diet) is recommended. If diet alone is insufficient in alkalinizing the urine, consider supplementation with potassium citrate.
- Serial sonographic monitoring (i.e., every 6-12 months) is also recommended to assess for recurrence of uroliths.

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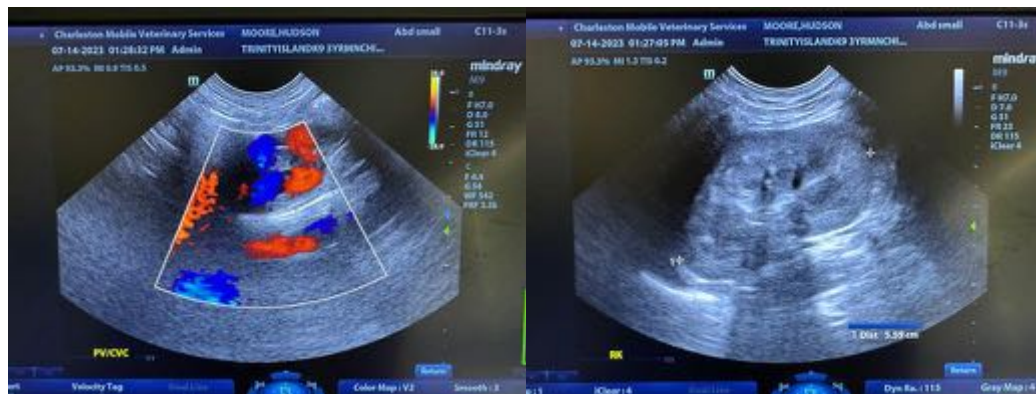
Kristi Oldham

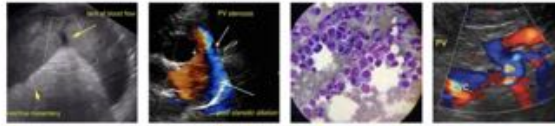
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Hudson Moore

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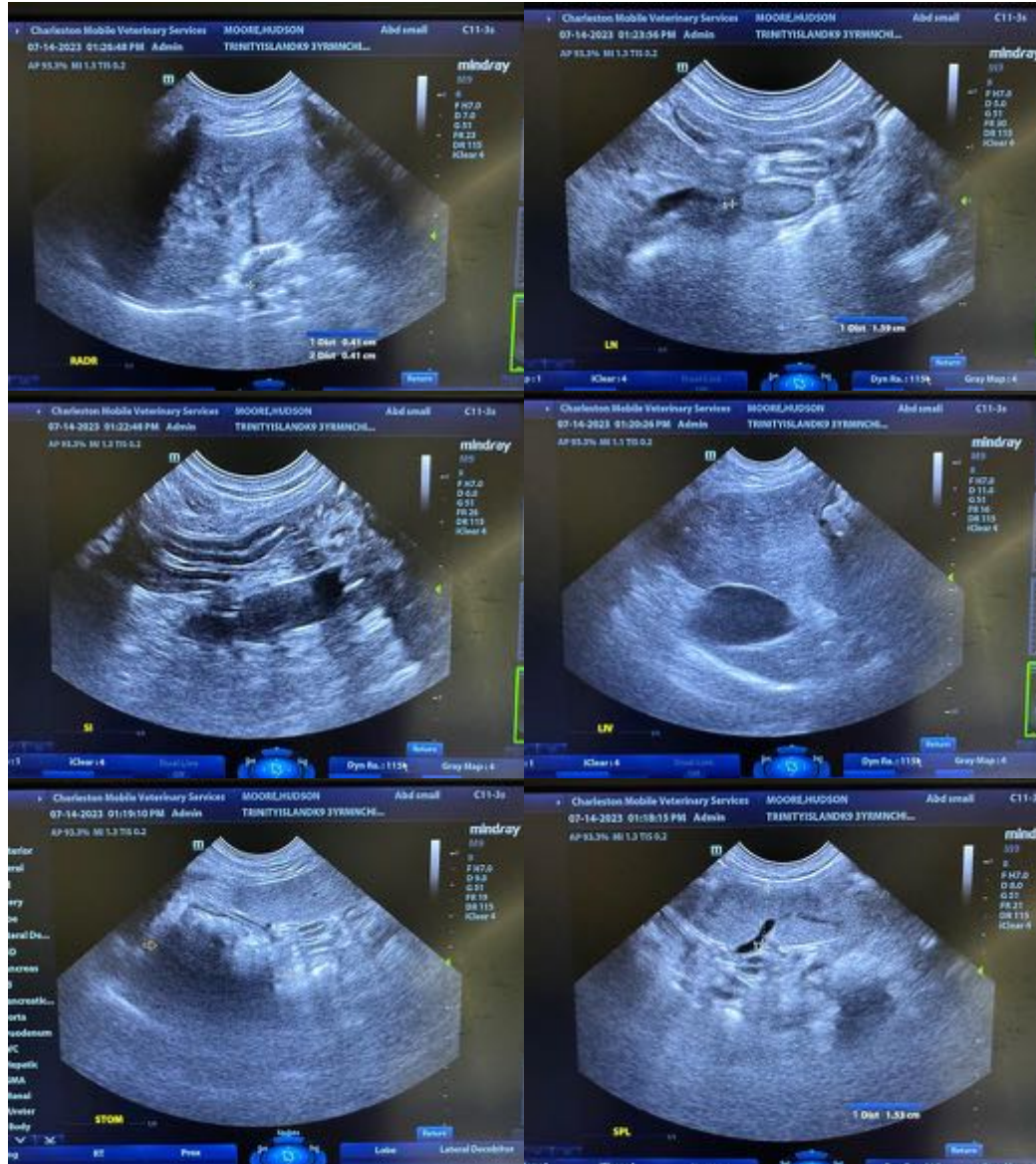
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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