



## PATIENT PRESENTING CLINICAL SIGNS

Georgie Helder History: vomiting for 2 days lethargic

## SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

**BREED** The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is mildly to moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, are normal.

Chihuahua Mix

**SEX** The prostate is normal in size (0.94 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

Neutered Male

**AGE** The left kidney is normal in size (3.73 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. A hyperechoic medullary band is observed at the corticomedullary junction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

6 years

**WEIGHT**

9.3 lbs

The right kidney is normal in size (4.02 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. A hyperechoic medullary band is observed at the corticomedullary junction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

## INTERPRETED BY

Andrea Nicastro,  
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ACVIM (Small Animal  
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### Adrenal Glands

The left adrenal gland is normal in size (0.55 cm at cranial pole) (0.50 cm at caudal pole) (1.79 cm in length) 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.

## IMAGING PERFORMED BY

Jenn

The caudal part of the right adrenal gland is visualized and is in normal size (0.64 cm in width) with a normal shape, glandular echogenicity and detail. Surrounding vasculature appears normal.

## HOSPITAL NAME

Rockaway AH

### Spleen

The spleen is normal in size (0.86 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

Dr. Maniar

### 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.

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The gall bladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal/not seen.

## DATE

7.14.23

### 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 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.



**PATIENT**

Georgie Helder

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

Neutered Male

**AGE**

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**WEIGHT**

9.3 lbs

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**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.

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- The hyperechoic medullary band seen both kidneys may represent a benign incidental finding. Alternatively, a subclinical renal disease may be present.

\*An obvious cause for the patient's vomiting is not identified in this study. Considerations include acute gastroenteritis (i.e., infectious, dietary indiscretion), underlying metabolic issue, inflammatory bowel disease, food allergy/intolerance, other.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Fecal evaluation for internal parasites
- Baseline lab work, including a CBC, chemistry panel, urinalysis and T4 is recommended to assess overall metabolic function.
- Supportive care for acute gastroenteritis is recommended.
- If the patient's clinical signs do not begin to improve within 48-72 hours of initiating therapy, a more comprehensive GI work-up should be considered.





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Canine

## BREED

Chihuahua Mix

## SEX

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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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