



**PATIENT PRESENTING CLINICAL SIGNS**

Hennessey Ramos not eating, diarrhea

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** Pit X  
The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

**SEX** Female  
The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. Slight pyelectasia noted. Cortical infarct noted at the caudal pole of the right kidney. The right kidney measured 5.17 cm. The left kidney measured 5.0 cm.

**AGE** 14 Years **Adrenal Glands**

**WEIGHT** 53 Pounds  
The **left adrenal gland** was mildly enlarged and irregular, hypoechoic to surrounding fat. The left adrenal gland measured 3.44 cm x 1.3 cm at the cranial pole and 0.98 cm at the caudal pole.

The **right adrenal gland** presented normal size and contour, measuring 2.34 cm x 1.05 cm at the cranial pole and 0.68 cm at the caudal pole.

**INTERPRETED BY Spleen**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS  
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**IMAGING PERFORMED BY** Jenn **Liver**

**HOSPITAL NAME** Rockaway AH  
The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**REFERRING VET** Dr. Maniar **Gastrointestinal**

**INVOICE** 41521  
Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**DATE** 9/21/22



**PATIENT**

**Pancreas**

Hennessey Ramos

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

- Moderate chronic degenerative renal changes, interstitial nephrosis with infarcts
- Mildly enlarged left adrenal gland – hyperplasia likely, emerging carcinoma or pheochromocytoma a mild potential. This should be monitored.

**BREED**

Pit X

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

Kidneys are subjectively near end stage. Renal values, blood pressures, and any clinical signs related to adrenal disease should be monitored. Recheck sonogram in one month, primarily of the kidneys and left adrenal gland.

Female

**AGE**

14 Years

**WEIGHT**

53 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenn

**HOSPITAL NAME**

Rockaway AH

**REFERRING VET**

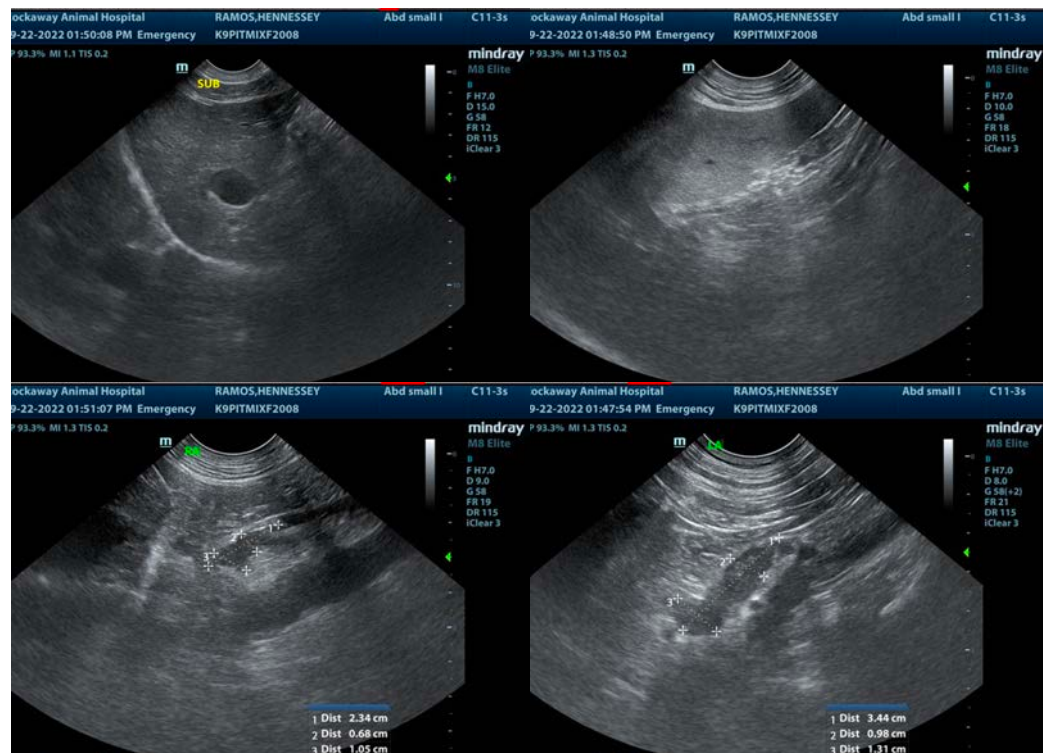
Dr. Maniar

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**PATIENT**

Hennessey Ramos

**SPECIES**

Canine

**BREED**

Pit X

**SEX**

Female

**AGE**

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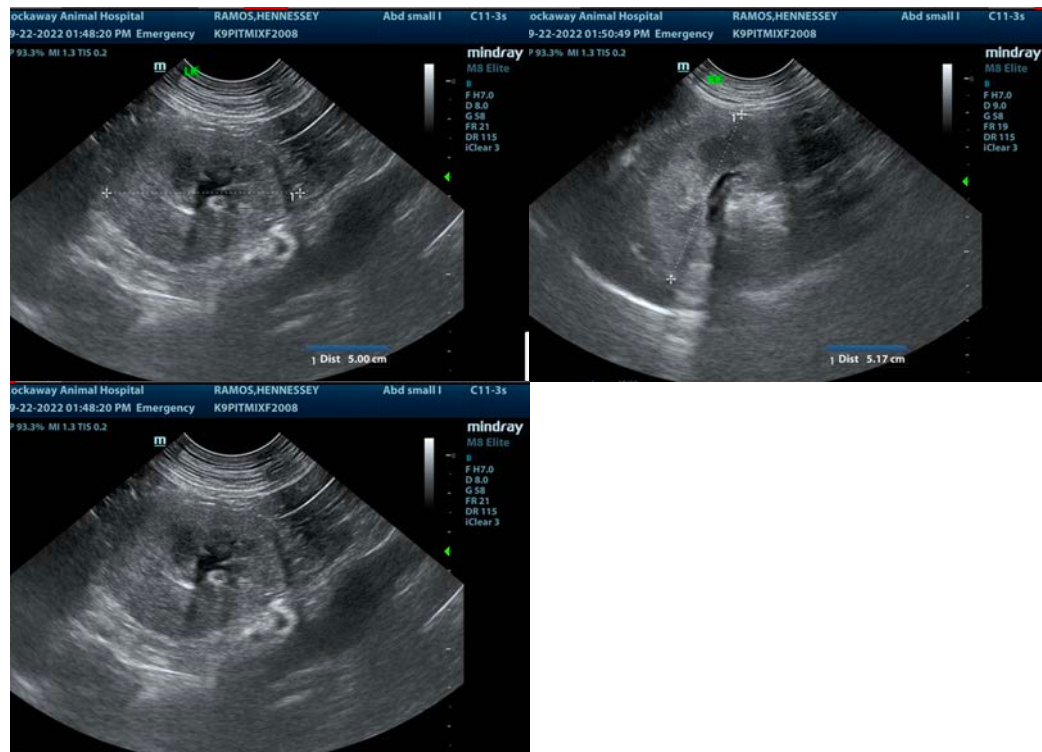
Dr. Maniar

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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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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