



**PATIENT**

Dezi Jardines

**PRESENTING CLINICAL SIGNS**

Recheck.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder** presented sand accumulation of approximately 1.0 cm. The bladder itself was unremarkable.

**BREED**

Chihuahua

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities.

**SEX**

Male

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 1.5 cm x 0.50 cm. The right adrenal gland measured 1.5 cm x 0.60 cm at the cranial pole and 0.40 cm at the caudal pole.

**AGE**

7 Months

**WEIGHT**

9.5 Pounds

**Spleen**

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.

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**Liver**

Mild **microhepatica** noted. The gallbladder was unremarkable. The portal vein was followed to its branching, relatively normal size at 5.0 mm. The vena cava measured 0.66 cm. Aorta measured 0.62 cm. No portosystemic shunts found.

**IMAGING PERFORMED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and small intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. The colon was fluid filled.

**HOSPITAL NAME**

Rockaway AH

**Pancreas**

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.

**REFERRING VET**

Dr. Maniar

**ULTRASONOGRAPHIC FINDINGS**

**INVOICE**

37461

- Microhepatica
- Bladder sand
- Structurally unremarkable abdomen otherwise

**DATE**

5/6/22



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**HOSPITAL NAME**

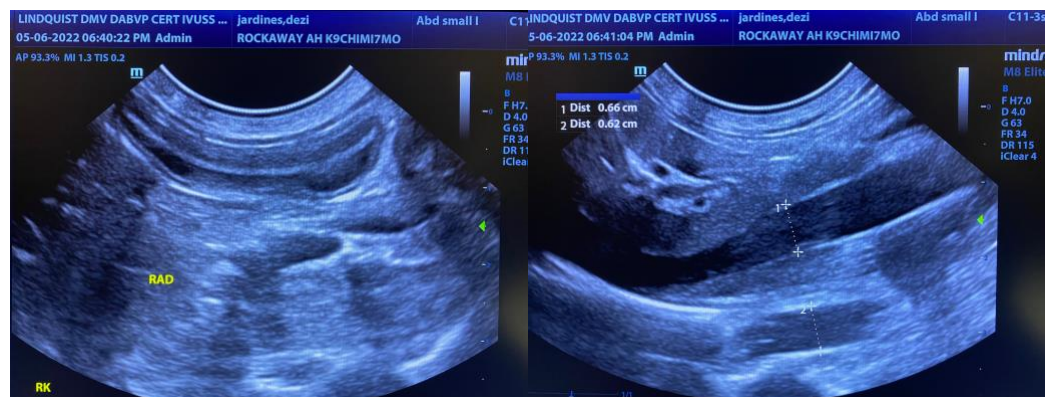
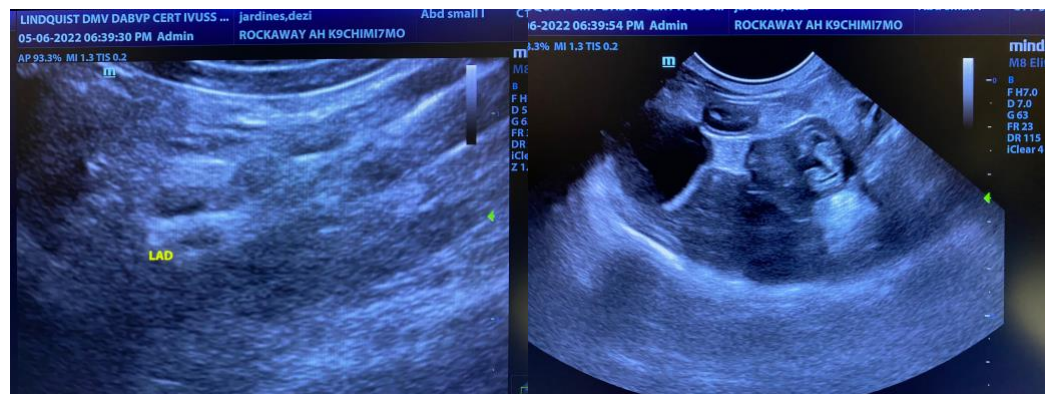
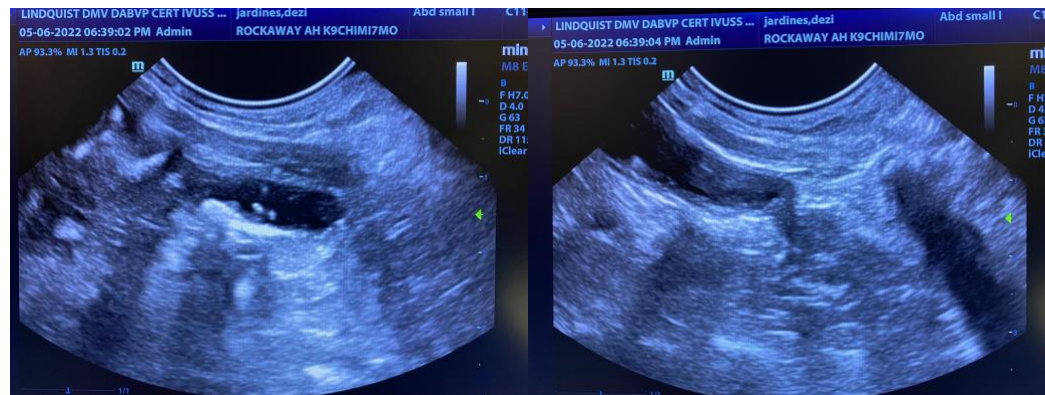
Rockaway AH

**REFERRING VET**

Dr. Maniar

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The regions of gastrocaaval, splenocaval, gastroazygos, and splenoazygos were all imaged with no evident shunting. If bile acids are elevated, then CT with contrast would be ideal to ensure no extrahepatic shunt. However, portal hypoplasia likely. The only concern for potential shunt is that the bladder sand is present. Cystotomy, sand analysis and culture as well as liver biopsy could be performed from a surgical standpoint.



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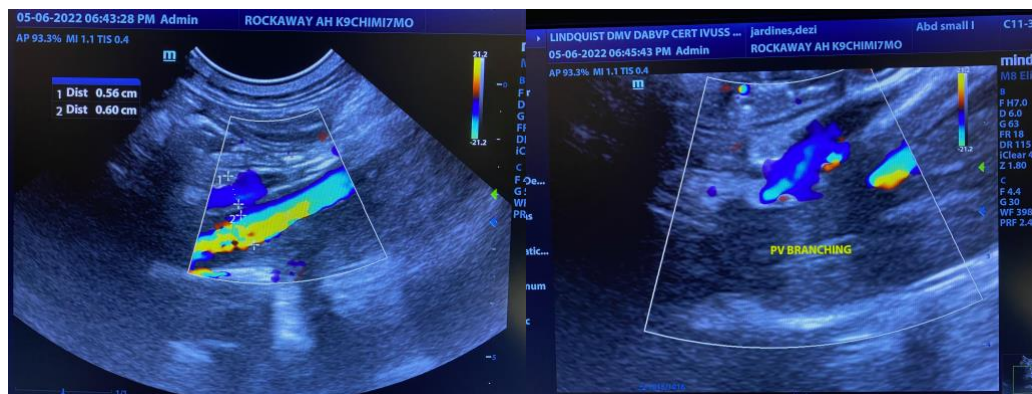
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

[info@SonoPath.com](mailto:info@SonoPath.com)