



**PATIENT PRESENTING CLINICAL SIGNS**

Bronx Huff gastroenteritis, vomiting, ate garbage

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Canine Urinary System**

The **urinary bladder** presented small calculi, non-obstructive.

**BREED** 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. The left kidney measured 4.8 cm.

Shih Tzu

**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 1.59 cm x 0.47 cm at the caudal pole and 0.44 cm at the cranial pole. The right adrenal gland measured 1.54 cm x 0.57 cm at the caudal pole and 0.79 cm at the cranial pole.

**AGE**

6 Months

**WEIGHT**

5.6 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**

The **liver** was subnormal in size. The gallbladder was unremarkable.

**IMAGING PERFORMED BY**

Jenn

**Gastrointestinal**

The **gastric wall** was mildly thickened. The small intestine and colon were unremarkable.

**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**

- Small bladder calculi
- Microhepatica
- Mildly thickened gastric wall

**INVOICE**

29849

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

11/17/21

Possibility of portosystemic shunting or microvascular dysplasia/portal hypoplasia. Bile acid profile warranted. If elevated, further imaging of the portal hilus recommended. Treatment for gastroenteritis warranted in the meantime. Urinalysis warranted with focus on any crystalluria and if ammonium



**PATIENT**

biurate is present.

Bronx Huff

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

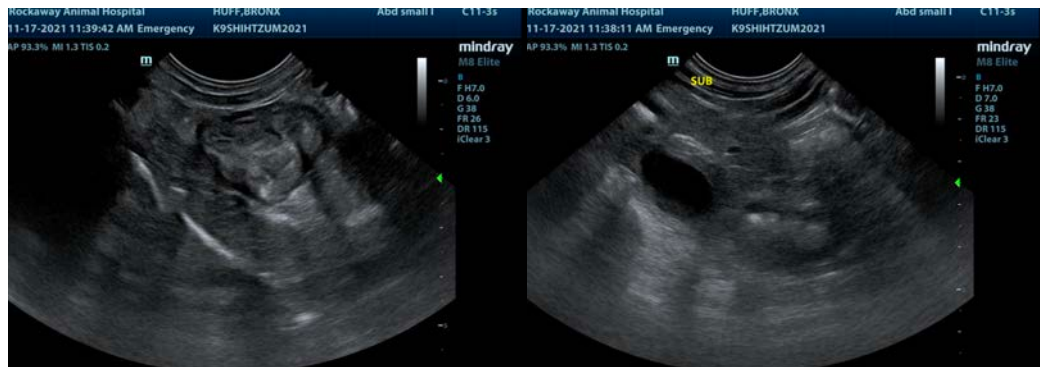
Male

**AGE**

6 Months

**WEIGHT**

5.6 Pounds



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenn

**HOSPITAL NAME**

Rockaway AH

**REFERRING VET**

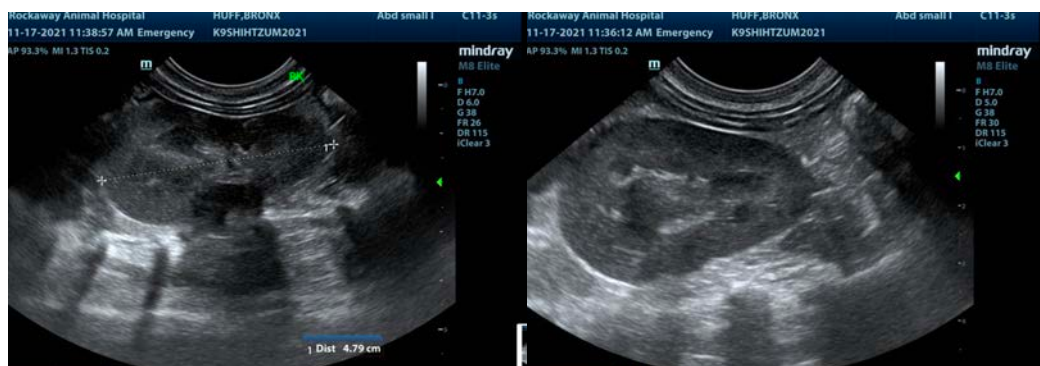
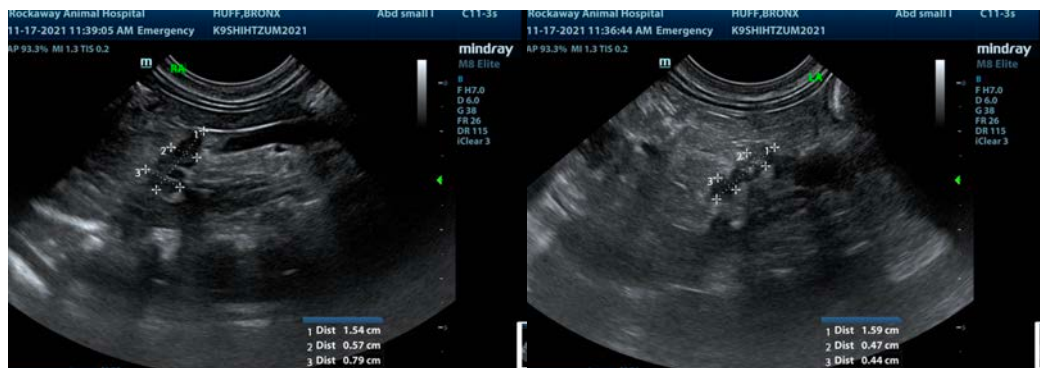
Dr. Maniar

**INVOICE**

29849

**DATE**

11/17/21





**PATIENT**

Bronx Huff

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

**SPECIES**

Canine

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.

**BREED**

Shih Tzu

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

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

**SEX**

Male

**AGE**

6 Months

**WEIGHT**

5.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Jenn

**HOSPITAL NAME**

Rockaway AH

**REFERRING VET**

Dr. Maniar

**INVOICE**

29849

**DATE**

11/17/21