



**PATIENT PRESENTING CLINICAL SIGNS**

Charlie Munoz History: recheck corncob

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** 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 was noted. Ureteral papillae were normal.

Bulldog

**SEX**

Neutered male The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 5.3 cm. The right kidney measured 5.57 cm.

**AGE**

10 years

**WEIGHT**

63.5 lbs

**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 2.07 x 0.85 cm at the caudal pole and 0.64 cm at the cranial pole. The right adrenal gland measured

**INTERPRETED BY**

Eric Lindquist, DMV  
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**IMAGING PERFORMED BY**

Jenn

**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 was noted.

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**Liver**

The **liver** was mildly heterogenous with slightly increased portal markings. This is consistent with remodeling. If the liver enzymes are an issue FNA is indicated. 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.

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**PATIENT**

**Gastrointestinal**

Charlie Munoz

The **stomach** in this patient revealed persistent shadowing material in the pyloric outflow measuring 2.5 x 4.0 cm. Only a minor amount of stasis was noted.

**SPECIES**

Canine

**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.

**BREED**

Bulldog

**SEX**

Neutered male

**ULTRASONOGRAPHIC FINDINGS**

Persistent gastric foreign body, likely corncob or similar echotexture material.

**AGE**

10 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Endoscopy or gastrotomy is recommended if clinical signs are present.

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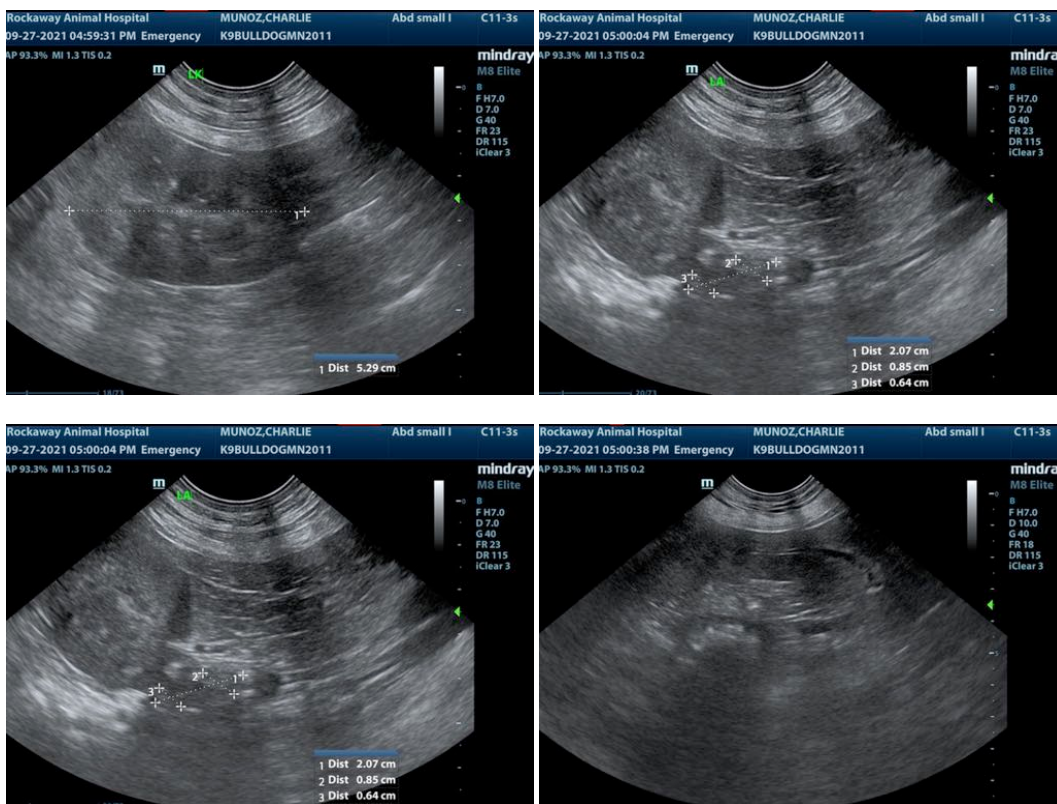
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**PATIENT**

Charlie Munoz

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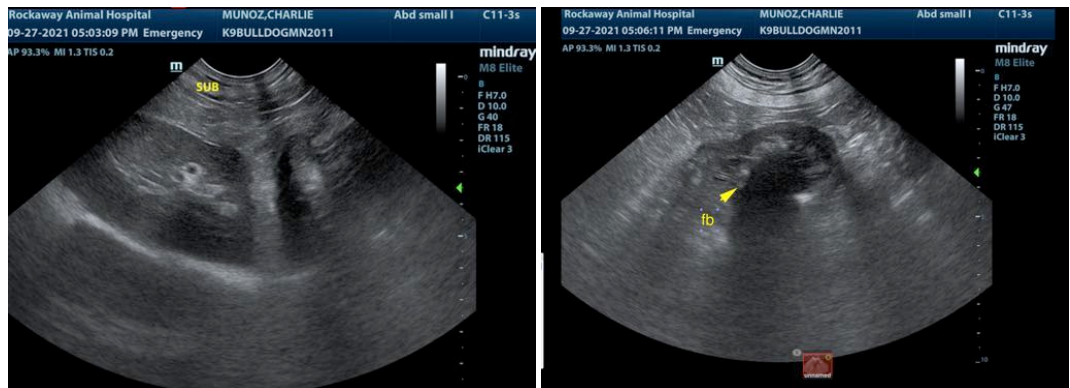
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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