



PATIENT

Axel Stone

SPECIES

Canine

BREED

Great Dane

SEX

Neutered Male

AGE

7 Years

WEIGHT

58 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Miller

INVOICE

13158

DATE

12/27/21

PRESENTING CLINICAL SIGNS

History: Presented at our hospital for ADR. O states that P was laying on couch and then stood up and was drooling a lot. O states that P seemed lethargic and uncomfortable. No retching or abdominal distension per O. No collapse, seizure activity, or trembling. O states that P has otherwise been doing well at home, EDUD normally and at normal activity levels. Previous Health Concerns: Wound on foot (last week); GI sensitivity Current Medications: Prilosec; Carprofen; Pepcid Appetite/When did they eat last: normal, this PM

Abnormal PE/Chem/CBC/UA Results: epoc: globulin 3,8 ggt 52 t bili 2 cbc: nr chem: 7.3 lactate 3.78 rads: stomach in normal position and contains ingesta; decrease detail in mid abdomen

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

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 8.9 cm. The right kidney measured 9.3 cm.

Adrenal Glands

A mixed hypoechoic undifferentiated 8+ cm mass was noted in the region of the **right adrenal gland**, deviating the right kidney caudally. The mass may be deriving from the kidney or the adrenal as the normal right adrenal was not visualized. Free fluid was noted, potentially owing to vascular rupture. This does not appear resectable. CT evaluation could be considered for further assessment. The mass extended caudally in the mid caudal abdomen, adjacent to the caudal pole of the spleen. The mass may be involving the spleen, however, does not appear to derive from it.

Spleen

The **spleen** was enlarged and irregular at the caudal pole. The cranial pole of the spleen was unremarkable.

Liver

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.

Gastrointestinal



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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.

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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.

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Free Abdomen

Free fluid was noted in the **abdomen**.

SEX

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ULTRASONOGRAPHIC FINDINGS

AGE

7 Years

- Undifferentiated mass in the region of the right adrenal extending through the caudal abdomen and adjacent to the spleen. Suspect adrenal neoplasia, however, cannot be completely defined. It does not appear resectable.

WEIGHT

58 kg

- Spleen enlarged and irregular at the caudal pole
- Urinary bladder debris

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT evaluation warranted for further definition.

IMAGING PERFORMED BY

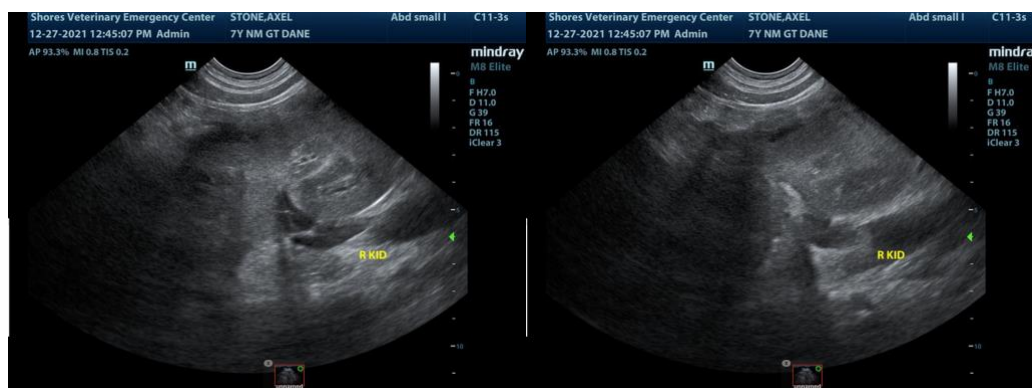
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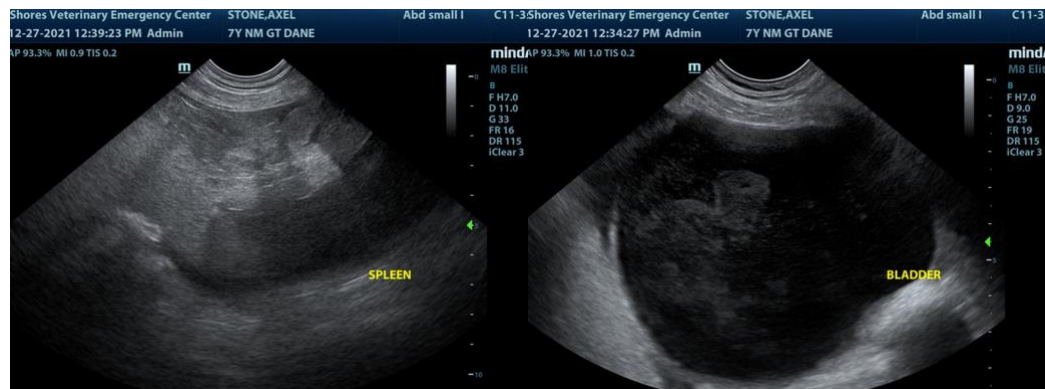
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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