



PATIENT

Mason Albert

PRESENTING CLINICAL SIGNS

History: gastroenteritis, r/o fb neoplasia other
Abnormal PE/Chem/CBC/UA Results: increased WBC's 25(16) Lymphs 12(5) increased platelets 498 increased ALT 213 increased baseline cortisol >10

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Chihuahua Mix

Urinary System

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.

SEX

Neutered male

AGE

7 years

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 right kidney measured 3.66 cm. The left kidney measured 3.58 cm with slight pinpoint mineralization.

WEIGHT

11.6 lbs

Adrenal Glands

The right adrenal gland was enlarged with a mildly echogenic nodule that measured 1.66 x 1.3 cm. The caudal pole was unremarkable with capsular expansion without capsular escape. The phrenic vein was free of evidence pathology as was the vena cava. The right adrenal measured 2.0 x 1.36 cm at the cranial pole and 0.8 cm at the caudal pole. The left adrenal gland measured 1.23 x 0.42 cm at the caudal pole and 0.46 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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.

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

Liver

The **liver** revealed slightly increased portal markings and coarse architecture. The liver was normal in size. The gallbladder and common bile duct were unremarkable.

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Gastrointestinal

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The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio.



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The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. No concerning lymphadenopathy was visible. No evidence of obstruction was present. Chronic inflammatory bowel disease is likely with a low possibility of an early neoplastic event such as lymphoma. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule out this possibility.

SPECIES

Canine

BREED

Chihuahua Mix

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.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

Minor gastrointestinal thickening with minor hepatic remodeling.

AGE

7 years

Right adrenal nodule.

WEIGHT

11.6 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Blood pressure measurements are warranted. If hypertension is present then urine catecholamine is indicated. If the patient appears Cushingoid then work-up for adrenal dependent Cushing's is indicated. Recheck sonogram is recommended in a month. Adenoma, adenocarcinoma and pheochromocytoma is all possible.

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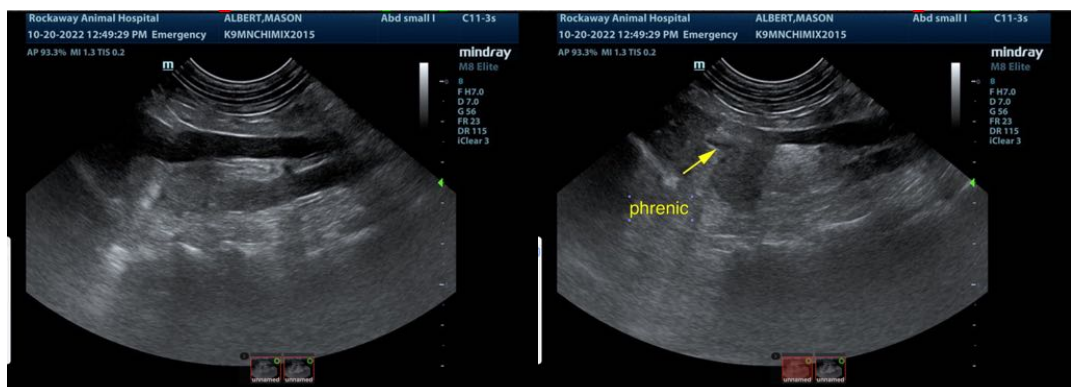
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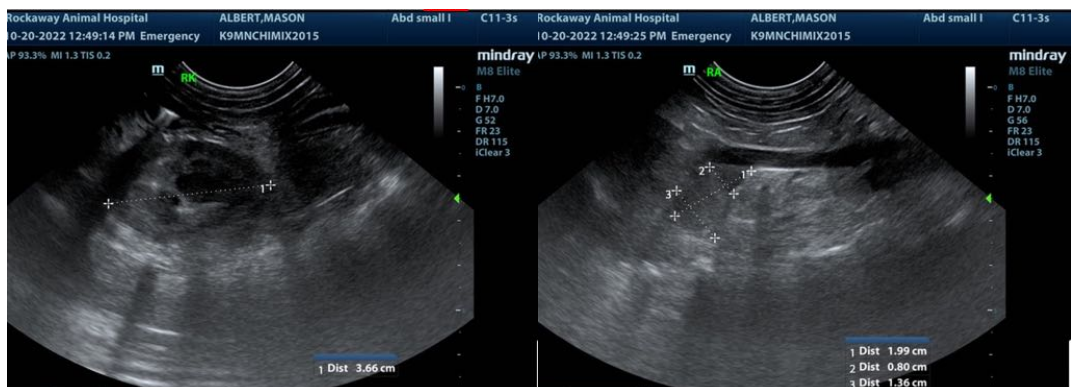
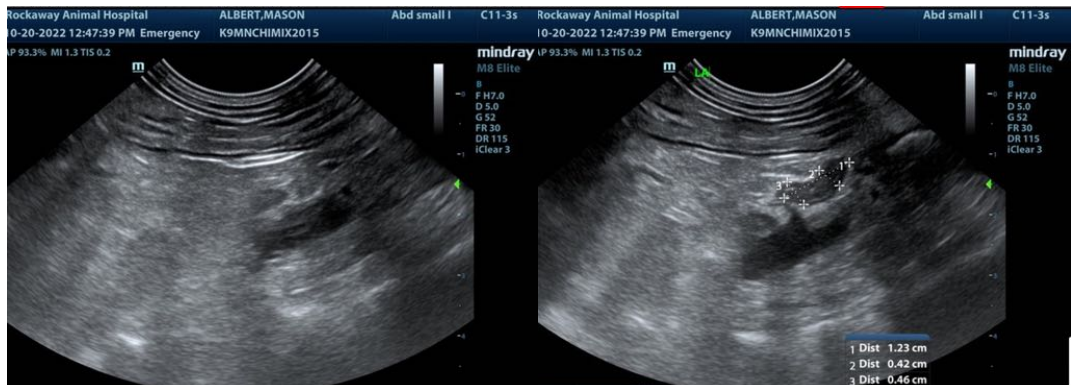
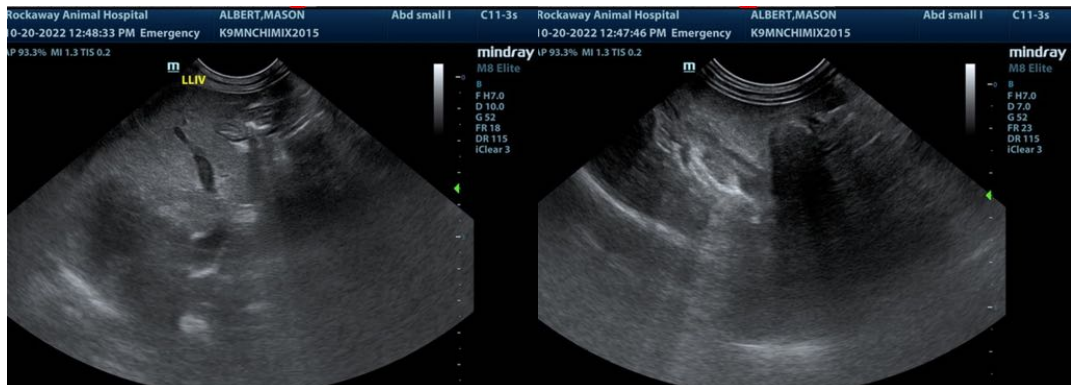
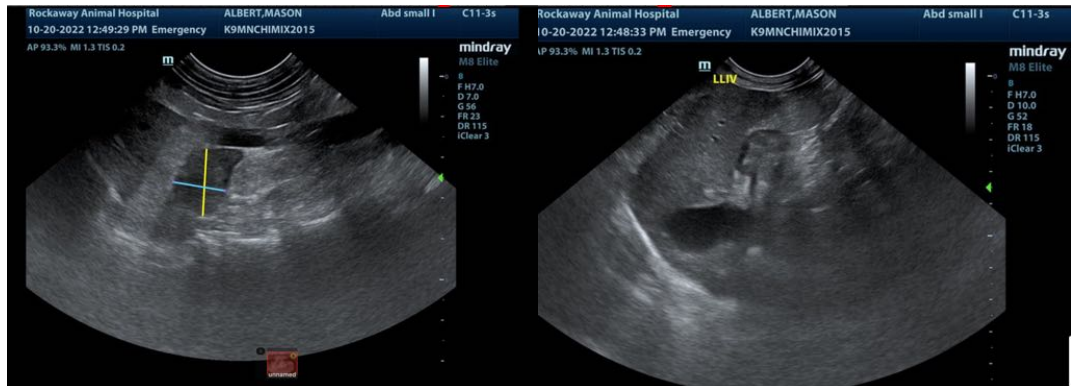
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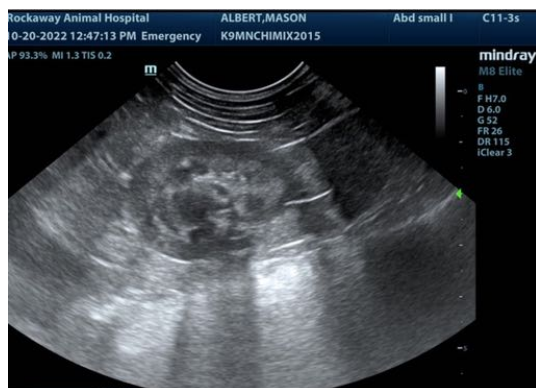
Neutered male

AGE

7 years

WEIGHT

11.6 lbs



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.

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