



PATIENT

Chicco Fried

PRESENTING CLINICAL SIGNS

History: Elevated liver values.
Abnormal PE/Chem/CBC/UA Results: ALK PHOS 1150, ALT 194, GGTP 16

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Chihuahua

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

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. Slight mineralization was noted in both kidneys. Slight cortical cysts were noted. The left kidney measured 3.1 cm. The right kidney measured 2.92 cm.

AGE

10 years

WEIGHT

6 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 1.2 x 0.41 cm. The right adrenal gland measured 1.13 x 0.32 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

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

Hamburg VC

REFERRING VET

Dr. Martens

Liver

The **liver** presented heterogenous parenchyma with increased portal markings and coarse architecture. Slight undulating capsular contour was noted. Slight gallbladder sand was noted.

INVOICE

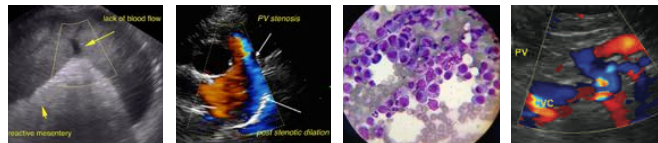
31137

Gastrointestinal

DATE

6/21/22

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

Chicco Fried

Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxiphoid palpation reveals pain response. No overt masses were noted.

SPECIES

Canine

BREED

Chihuahua

ULTRASONOGRAPHIC FINDINGS

Moderate degenerative renal changes with cortical cysts.

SEX

Neutered male

Moderate hepatic remodeling, non-specific, chronic inflammatory hepatopathy.

Minor gallbladder debris and sand.

AGE

10 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver is indicated for further definition. History of pancreatitis and inflammatory hepatopathy is likely in this patient. There is no evidence of neoplasia. Diet change to a hydrolyzed diet may prove effective in regards to reactive hepatopathy issues. 10 day trial of Enrofloxacin, Metronidazole, hydrolyzed diet and reassessment of the ALT value is indicated. Ursodiol is recommended over the next 4-6 weeks would also be appropriate with recheck sonogram at that time.

INTERPRETED BY

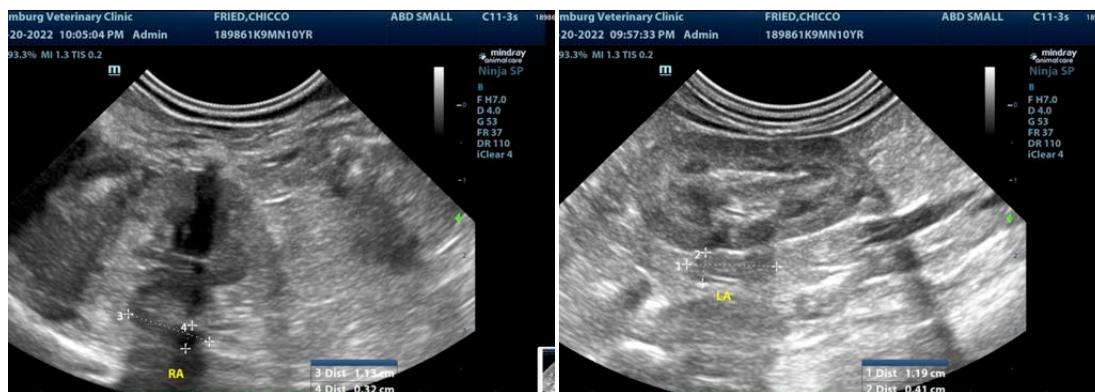
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HOSPITAL NAME

Hamburg VC



REFERRING VET

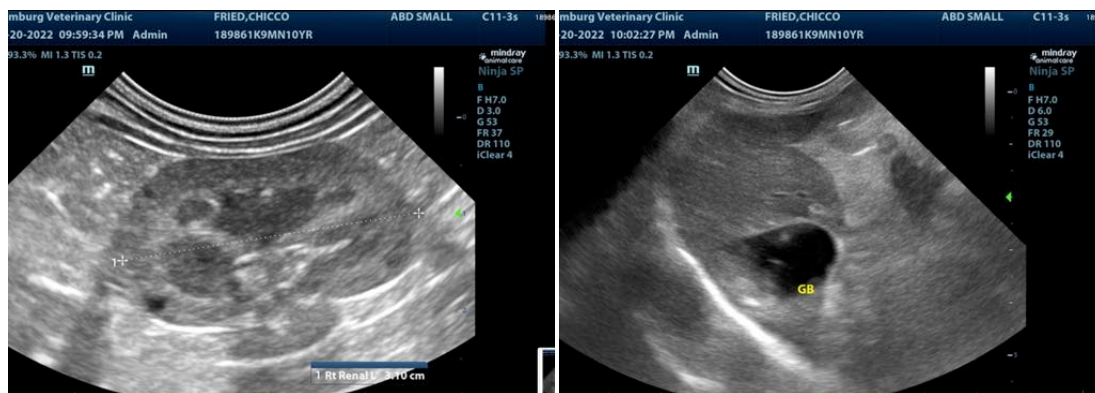
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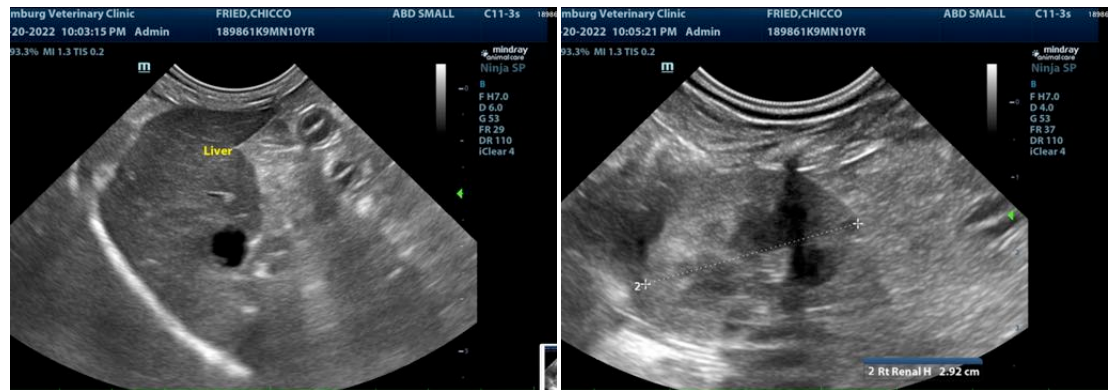
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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