



PATIENT PRESENTING CLINICAL SIGNS

Rocko Grivicic History of chronic pancreatitis. And vacillated hepatopathy. Also history of cervical instability. Patient is recumbent today with some signs of dementia. Negative ACTH stim test.
Abnormal PE/Chem/CBC/UA Results: Elevation of liver enzymes

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Chihuahua X

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 were noted. Ureteral papillae were normal. The residual prostate was uniform at 0.74 cm.

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 his age patient. Medullary structure differed distinctly from that of the cortex. Slight pyelectasia, cortical infarcts, and minor cortical cysts noted. The right kidney measured 3.17 cm. The left kidney measured 3.31 cm.

AGE

16 Years

Adrenal Glands

WEIGHT

4.1 kg

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 right adrenal gland measured 0.48 cm at the caudal pole and 0.42 cm at the cranial pole. The left adrenal gland measured 0.63 cm in width.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** was enlarged and folded upon itself. Minor heterogeneous changes noted, suspected to be age related.

IMAGING PERFORMED BY

Dr. Belan

Liver

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Hypoechoic nodular changes noted throughout the liver.

HOSPITAL NAME

Healing Traditions VC

REFERRING VET

Dr. Vockeroth

Gastrointestinal

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.

INVOICE

33821

Pancreas

DATE

12/29/21

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain



PATIENT

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upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected. Hypochoic, irregular areas noted in the right limb, may be related to low-grade inflammation.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Subjectively benign hepatopathy with nodular changes
- Excessive gallbladder debris – consistent with emerging mucocele.

BREED

Chihuahua X

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the variable hepatic echotextures recommended for further definition. Ursodiol therapy warranted as a preventative regarding the gallbladder presentation. Subxyphoid palpation is recommended to assess for pain or discomfort associated with the pancreas, particularly the right base where some low-grade inflammatory pattern appears to be present.

SEX

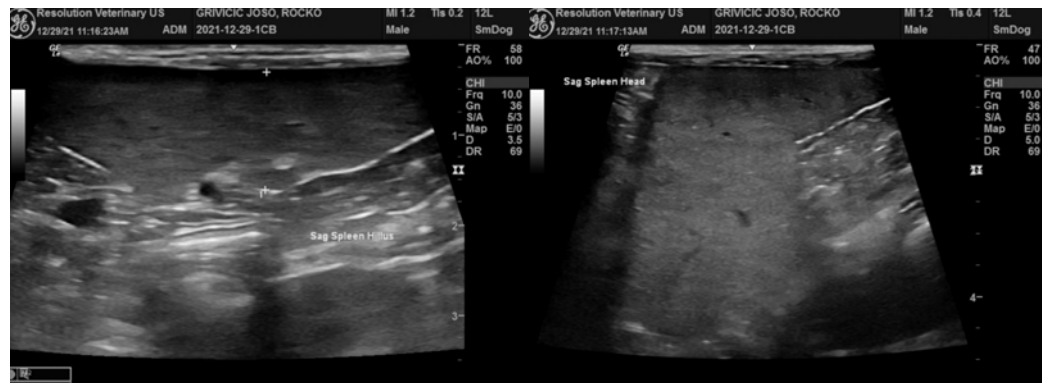
Neutered Male

AGE

16 Years

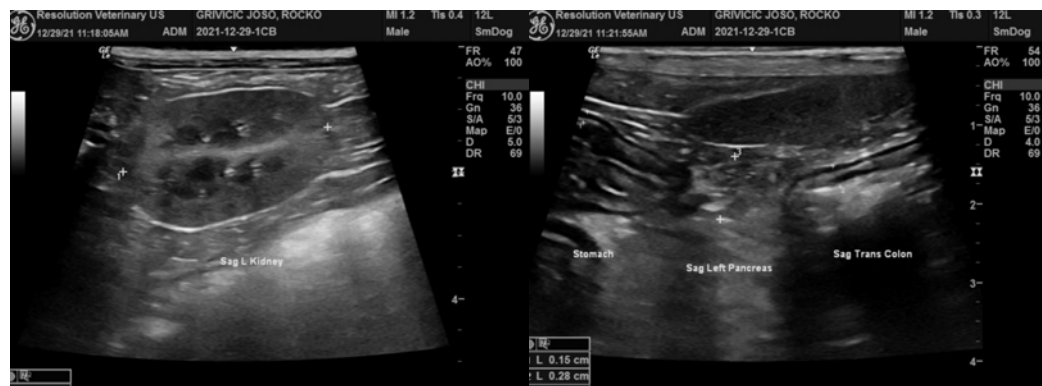
WEIGHT

4.1 kg



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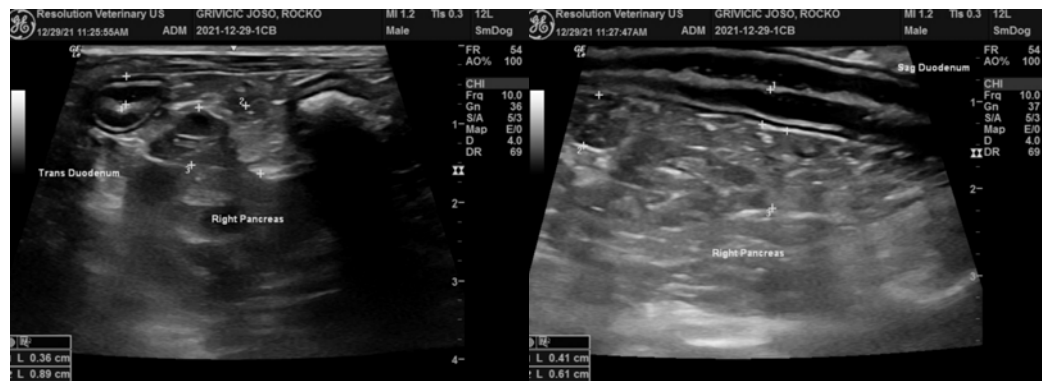


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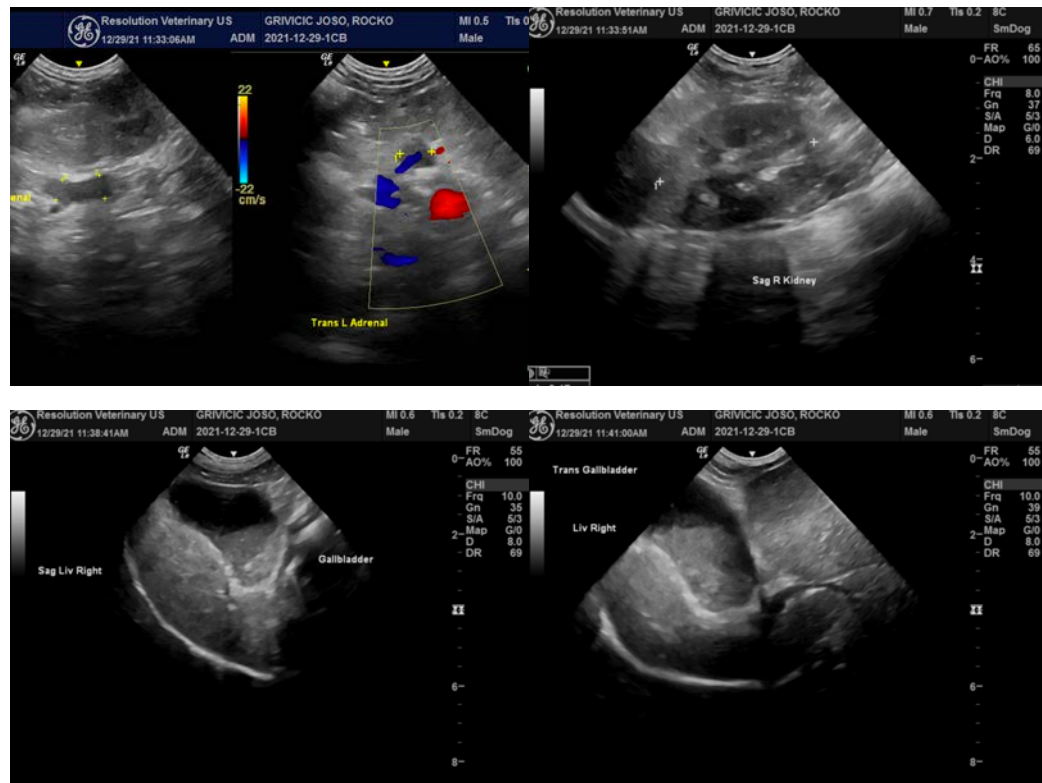
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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