



PATIENT

Jake Ignacio

PRESENTING CLINICAL SIGNS

History: PU/PD, lethargic, poor appetite, Elevated liver values
Abnormal PE/Chem/CBC/UA Results: AST 71, ALT 201, ALK PHOS 337, TOTAL BILI 0.9, WBC 24.7.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Goldendoodle

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. Occasional cortical cysts were noted in the right kidney. The right kidney measured 6.35 cm. The left kidney measured 6.97 cm.

AGE

13 years

WEIGHT

63 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 2.57 x 0.83 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

JK

Spleen

The **spleen** was mildly enlarged with uniform, but subtly micronodular parenchyma, and undulating capsular contour. This is consistent with reactive spleen owing to immune stimulus or early infiltrative disease such as mast cell disease or lymphoma. 25-gauge FNA would be ideal if weight loss is an issue to differentiate early round cell neoplasia versus splenitis or reactive spleen all of which can present in this manner.

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. DenHeyer

Liver

The **liver** was swollen and irregular with increased portal markings. Heterogenous, hypoechoic nodular changes were noted with enhanced surrounding mesentery. The gallbladder and common bile duct were unremarkable.

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Gastrointestinal

DATE

6/30/22

The **gastrointestinal tract** presented minor upper GI thickening, yet there was no evidence of a foreign body. The small intestines and colon were unremarkable.



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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.

SPECIES

Canine

BREED

Free Abdomen

Goldendoodle

Reactive mesentery and free fluid was noted throughout the region of the pancreas.

SEX

ULTRASONOGRAPHIC FINDINGS

Neutered male

Splenomegaly.

AGE

Swollen, irregular and nodular liver.

13 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

FNA of the spleen and liver is warranted to rule out round cell neoplasia which is a strong concern. Splenitis and cholangiohepatitis is also possible. Sampling is essential.

63 lbs

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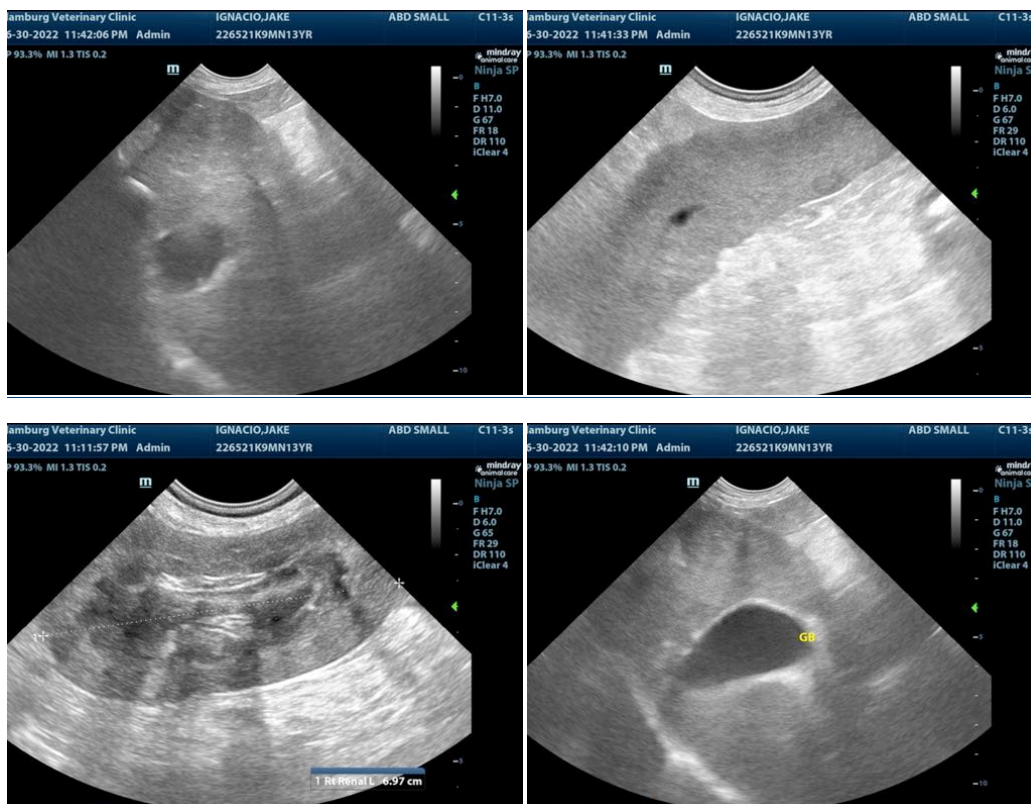
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Canine

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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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