



PATIENT

Angel Galvan Sanchez

PRESENTING CLINICAL SIGNS

History: Inappetence , vomiting diarrhea , unremarkable radiographs
Abnormal PE/Chem/CBC/UA Results: non diagnostic BW

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Bichon Shuh Tzu

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 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 5.4 cm. The left kidney measured 4.66 cm with pinpoint mineralization.

AGE

11 years

WEIGHT

7 kg

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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** is enlarged and folded upon itself with scalloping contour and granular appearance.

IMAGING PERFORMED BY

Stan Gira

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. An expansive, mixed, hypoechoic nodule was noted at the caudal aspect of the left liver and measured 1.5 cm with capsular expansion and disruption of architecture. Other nodular changes were noted with target type appearance in the cranial liver and measured 2.2 cm and 1.5 cm. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. A slight amount of gallbladder sand was noted and non-obstructive.

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

Dr. Gira

INVOICE

31450

Gastrointestinal

The stomach revealed pyloric hypertrophy, luminal fluid and echogenic pyloric remodeling. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. Epigastric lymph node is also enlarged and measured 1.2 x 0.8 cm. The lymph node is hypoechoic and fairly rounded.

DATE

7/4/22



PATIENT

Pancreas

Angel Galvan Sanchez

The **pancreas** was heterogenous and hypoechoic with nodular changes or overlying lymph node with hyperechoic remodeling. Other areas of hypoechoic necrosis type lesions are noted. Other areas of the pancreas were hypoechoic and nodular with positive blood flow. This limits the potential for necrosis.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Bichon Shuh Tzu

Target hepatic lesions with disruptive architecture, strong concern for round cell neoplasia.

Moderate degenerative renal changes with calculi.

Chronic gastritis pattern.

SEX

Neutered male

Epigastric and pancreatic lymphadenopathy.

Pancreatic remodeling.

AGE

11 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I am concerned for underlying neoplastic process that may have induced the IMHA. I recommend evaluation of cytology. If Prednisolone has been utilized in this patient's history it may be suppressing a more significant presentation. GI protectant protocol and supportive care is warranted until cytology can be evaluated. Pronounced nodular hyperplasia is possible, yet less likely. The pattern meets neoplastic criteria in the liver.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Stan Gira

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

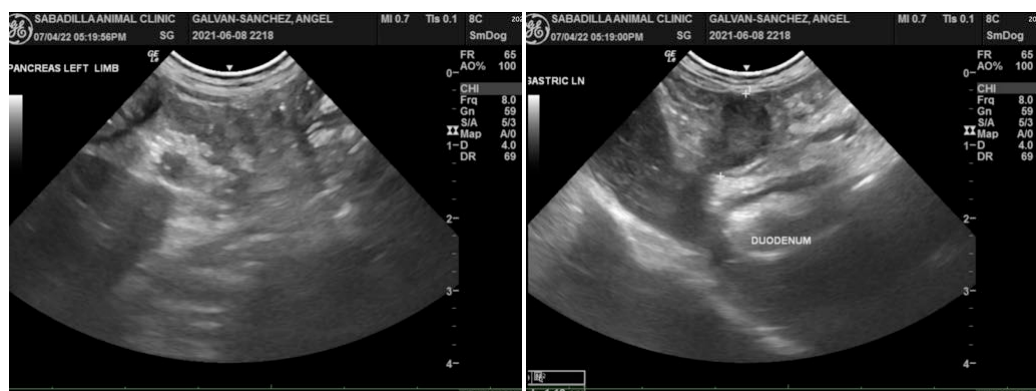
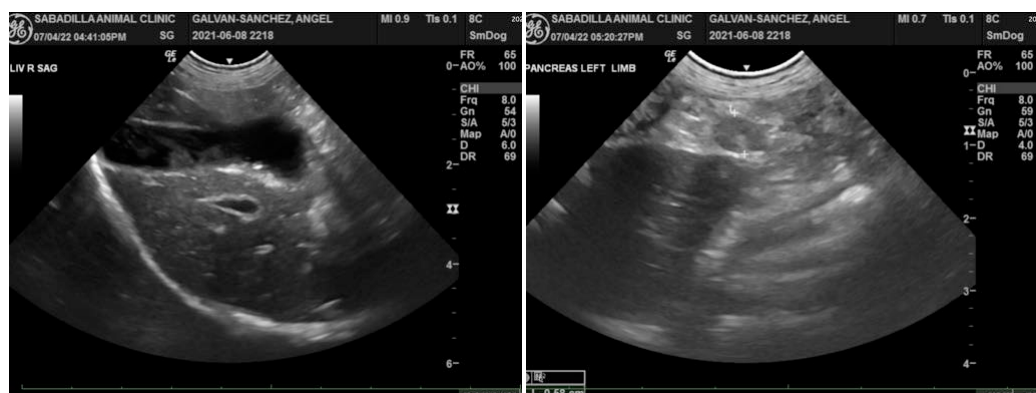
Dr. Gira

INVOICE

31450

DATE

7/4/22





PATIENT

Angel Galvan Sanchez

SPECIES

Canine

BREED

Bichon Shuh Tzu

SEX

Neutered male

AGE

11 years

WEIGHT

7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Stan Gira

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

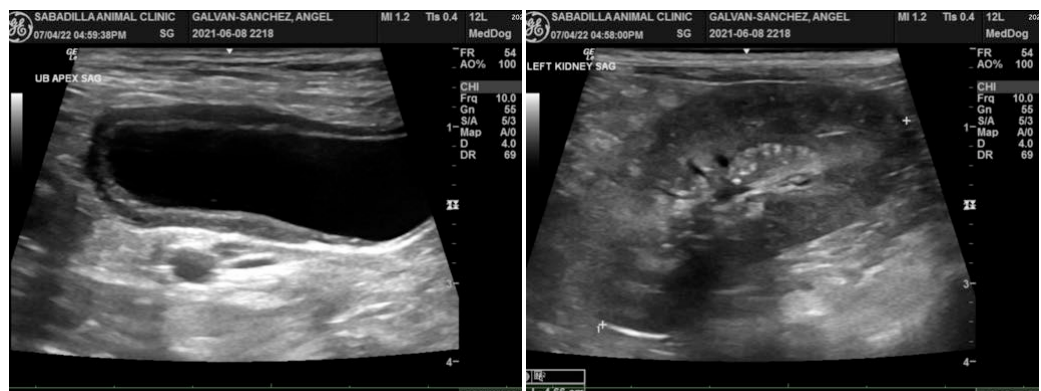
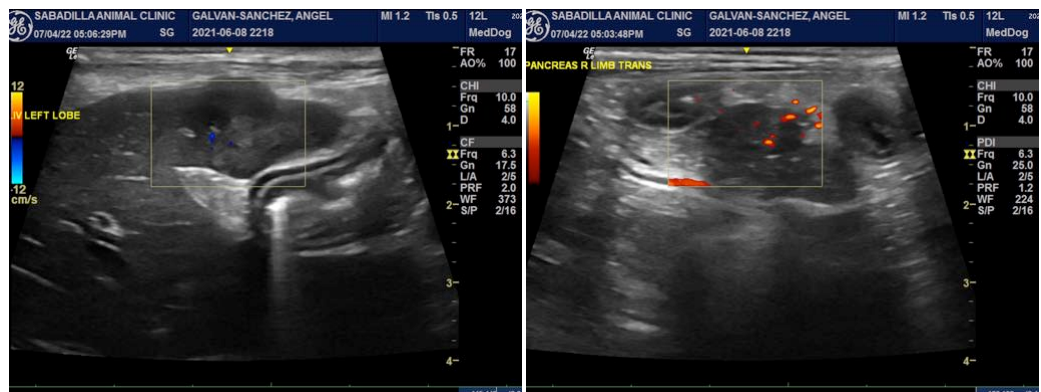
Dr. Gira

INVOICE

31450

DATE

7/4/22





PATIENT

Angel Galvan Sanchez

SPECIES

Canine

BREED

Bichon Shuh Tzu

SEX

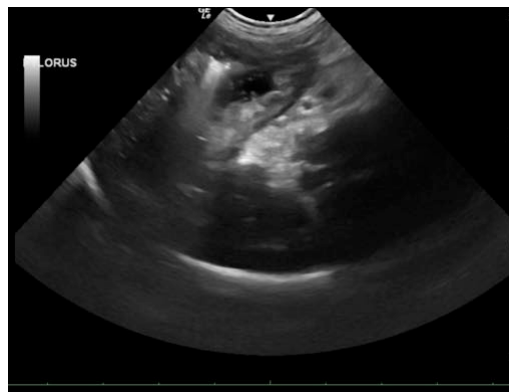
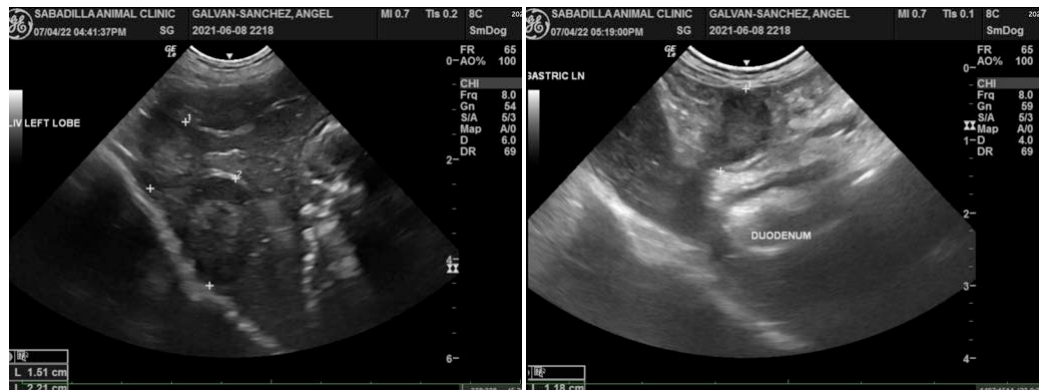
Neutered male

AGE

11 years

WEIGHT

7 kg



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Stan Gira

HOSPITAL NAME

Resolution Veterinary
Ultrasound LTD

REFERRING VET

Dr. Gira

INVOICE

31450

DATE

7/4/22

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com