



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Bandit Hogan
P has history of heart disease, and IVDD. radiographs showed hepatomegaly.
Abnormal PE/Chem/CBC/UA Results: GGT- 41 TBili- 1.4

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES
Canine

Urinary System

BREED

Yorkie

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 and no evidence of pelvic dilation was present. The left kidney measured 4.2 cm. The right kidney measured 4.3 cm.

AGE

12 Years

WEIGHT

5.66 kg

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV

The **left adrenal gland** was 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 0.50 cm.

DABVP, Cert. IVUSS

The **right adrenal gland** was heterogeneous and nodular, measuring 0.70 cm at maximum width.

Spleen

IMAGING PERFORMED BY

Dr. Isermann

The **spleen** presented mild uniform enlargement. It was folded upon itself cranially, which may be adding to appearance on radiographs and clinical exam, creating the appearance of hepatomegaly, as the liver presentation is mild.

HOSPITAL NAME

Animal Emergency Hospital Volusia

Liver

The **liver** was mildly swollen and 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. Minor gallbladder sand, suspended and dependent debris noted.

REFERRING VET

Dr. Isermann

Transdiaphragmatic view revealed comet tail lung pattern.

INVOICE

43664

Gastrointestinal

DATE

6/30/23

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.



PATIENT *Pancreas*

Bandit Hogan

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

ULTRASONOGRAPHIC FINDINGS

BREED

Yorkie

- Heterogeneous right adrenal gland
- Moderate degenerative renal changes
- Benign hepatopathy with mild hepatomegaly and moderate remodeling
- Gallbladder sand and suspended debris

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 Years

Chest radiographs warranted to assess alveolar disease. Ursodiol therapy warranted over the next 6-8 weeks and recheck sonogram to assess for gallbladder emptying. However, there is no evidence of obstructive disease at this time and the gallbladder presentation is not to the level of mucocele formation and should be not overtly clinical. Reassessment of the bilirubin value for artifactual elevation recommended, given that bilirubin on its own without ALP elevation would be odd in this presentation.

WEIGHT

5.66 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Isermann

HOSPITAL NAME

Animal Emergency Hospital Volusia

REFERRING VET

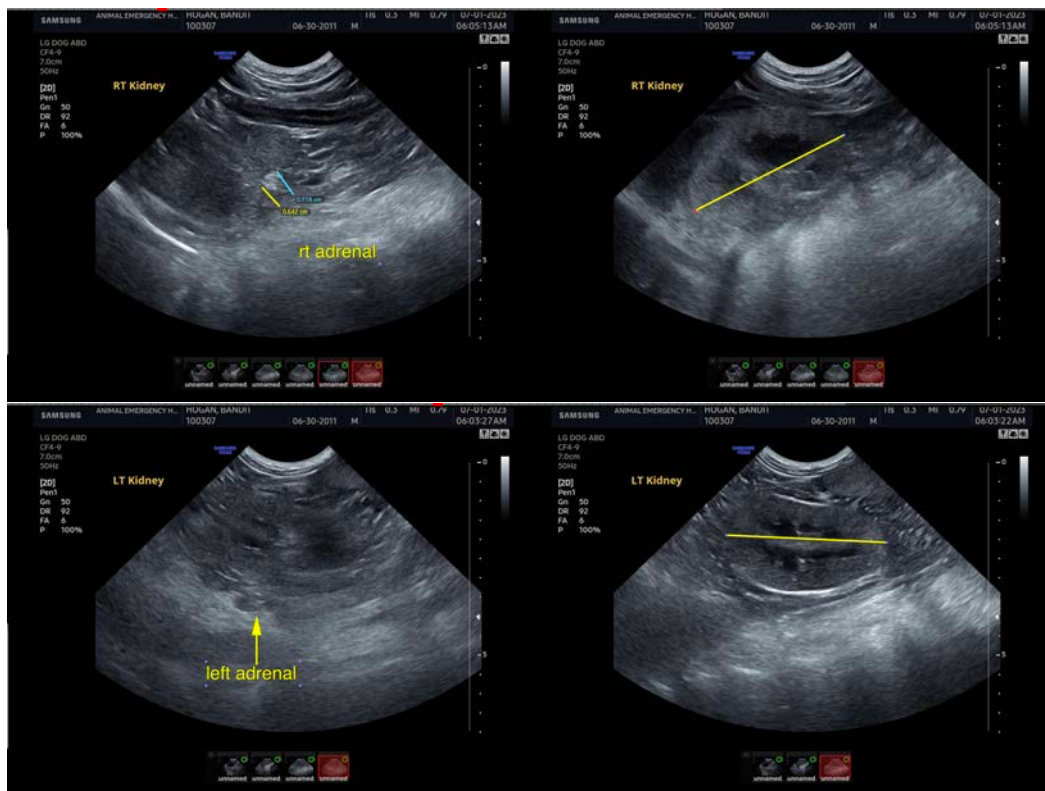
Dr. Isermann

INVOICE

43664

DATE

6/30/23





PATIENT

Bandit Hogan

SPECIES

Canine

BREED

Yorkie

SEX

Neutered Male

AGE

12 Years

WEIGHT

5.66 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Isermann

HOSPITAL NAME

Animal Emergency Hospital Volusia

REFERRING VET

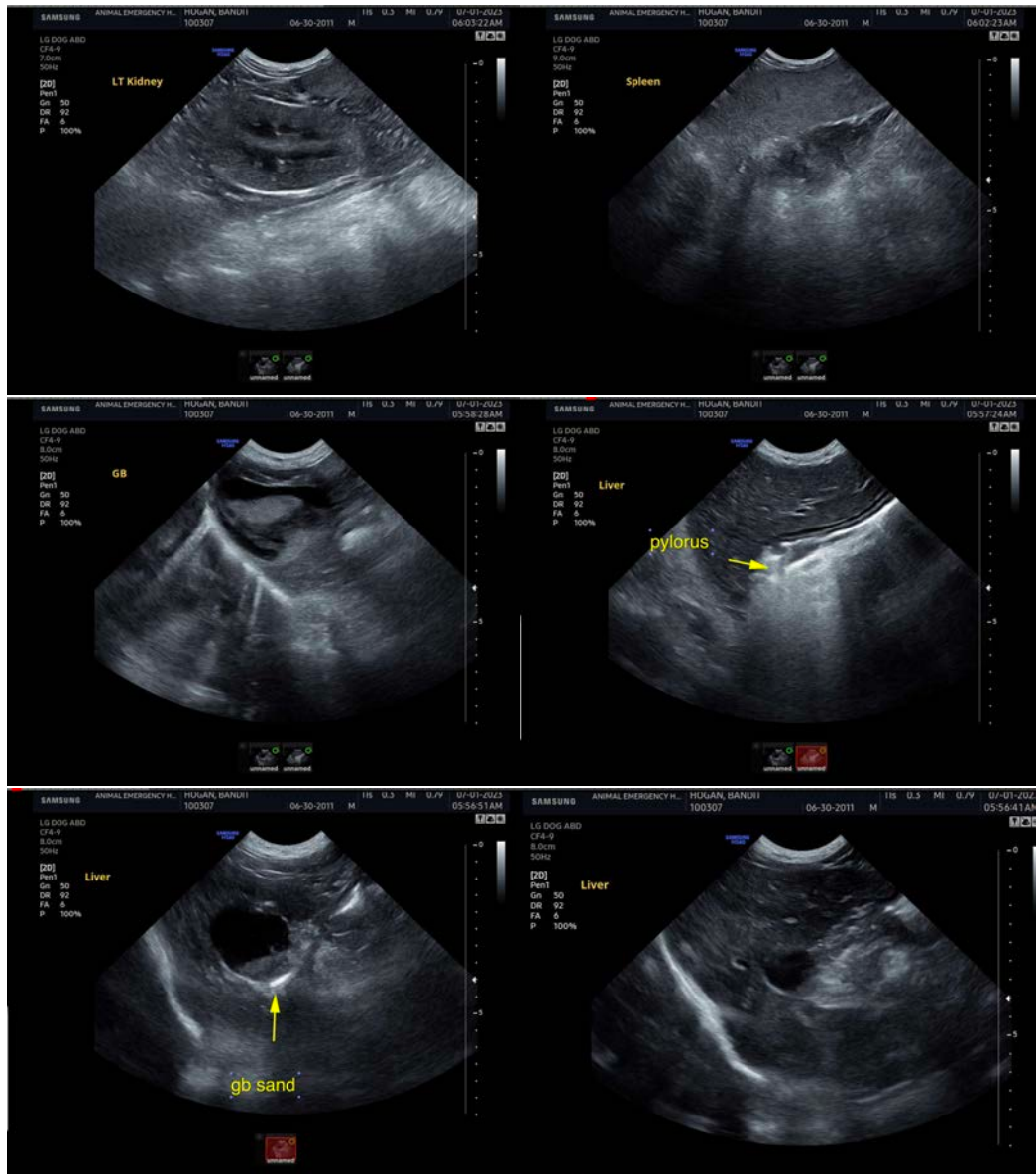
Dr. Isermann

INVOICE

43664

DATE

6/30/23



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