



PATIENT

Louis Izquierdo

SPECIES

Canine

BREED

French Bulldog

SEX

MN

AGE

14yr

WEIGHT

38lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Union Vet Animal
Hospital

REFERRING VET

Dr. Lara Cabugawan

INVOICE

23247

DATE

12/16/2025

PRESENTING CLINICAL SIGNS

Presented for frequent / straining to urinate for the past 3 days and decrease appetite . hx Blind OU
hx UTI Hx DJD hx Pulmonary nodules Hx Hepatomegaly Hx prostatomegaly / calcification hx.
cystolits/crystalluria

Abnormal PE/Chem/CBC/UA Results: PE: Blind OU / hypermature cataract OU , limited oral exam
, weak ambulatory rear end, HM grade 3-4/ 6 , multiple sq masses , distended abdomen. BP - normal
UA / UCS - pending

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was subnormal in size owing to lack of urine distension which prohibited full evaluation of the urinary bladder walls. The trigone, cystourethral junction, and visible pelvic urethra to a depth of - cm exhibited normal thickness and tone. Mild anechoic urine was present in the lumen with mild particulate, non-dependent urine sediment and dependent lumen mineral. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral areas of mild medullary mineral were present. The left kidney measured 5.4 cm in length. The right kidney measured 4.9 cm in length.

The area of the aortic trifurcation was free of pathology.

The prostate was mildly enlarged in size. The prostatic parenchyma was primarily hypoechoic to heterogeneous with areas of parenchyma mineralization. The margins of the gland were indistinct and difficult to differentiate from the surrounding tissue.

Adrenal Glands

The left adrenal gland was mildly enlarged in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.73 cm width in the caudal pole. The right adrenal gland was not definitively visualized

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

Liver/Gallbladder



PATIENT

Louis Izquierdo

SPECIES

Canine

BREED

French Bulldog

SEX

MN

AGE

14yr

WEIGHT

38lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Union Vet Animal
Hospital

REFERRING VET

Dr. Lara Cabugawan

INVOICE

23247

DATE

12/16/2025

The liver presented enlarged in size with symmetrical yet swollen contour. The parenchyma exhibited conserved uniform parenchyma with normal echogenicity isoechoic to the spleen and falciform fat. Mild parenchymal remodeling was present. The hepatic vasculature was dilated in appearance, most notable at the level of the hepatic vein / caudal vena cava junction, without evidence of thrombosis. The gallbladder was non-distended in size with thin walls and mild non-organized debris. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical/metabolic ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The left/right pancreas was normal in size with symmetrical capsule contour, and mild non-homogenous hypoechoic parenchyma compared to adjacent omentum.

Free Abdomen

Mild volume peritoneal effusion was present.

No overt omental lymphadenomegaly was present.

ULTRASONOGRAPHIC FINDINGS

Primary

- Mildly enlarged prostate
- Non-distended urinary bladder with lumen mineral and mild urine sediment
- Congested liver
- Mild gallbladder debris
- Age-related renal changes
- Mildly enlarged non-homogenous hypoechoic pancreas- inflammation vs edema
- Mild volume peritoneal effusion

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mineralized prostate is highly suggestive of neoplastic criteria, i.e. prostatic or urothelial carcinoma. Potential for bladder involvement cannot be definitively excluded. Correlation with pending urine C/S as well as a BRAF assay is recommended. Assuming patient is non-sedated, the congested liver and peritoneal effusion suggest cardiac or intrathoracic pathology. Correlation with three view chest radiographs and effusion analysis +/- cytology is recommended. A spec CPL could be considered if clinical signs consistent with pancreatitis are present.



PATIENT

Louis Izquierdo

SPECIES

Canine

BREED

French Bulldog

SEX

MN

AGE

14yr

WEIGHT

38lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Union Vet Animal
Hospital

REFERRING VET

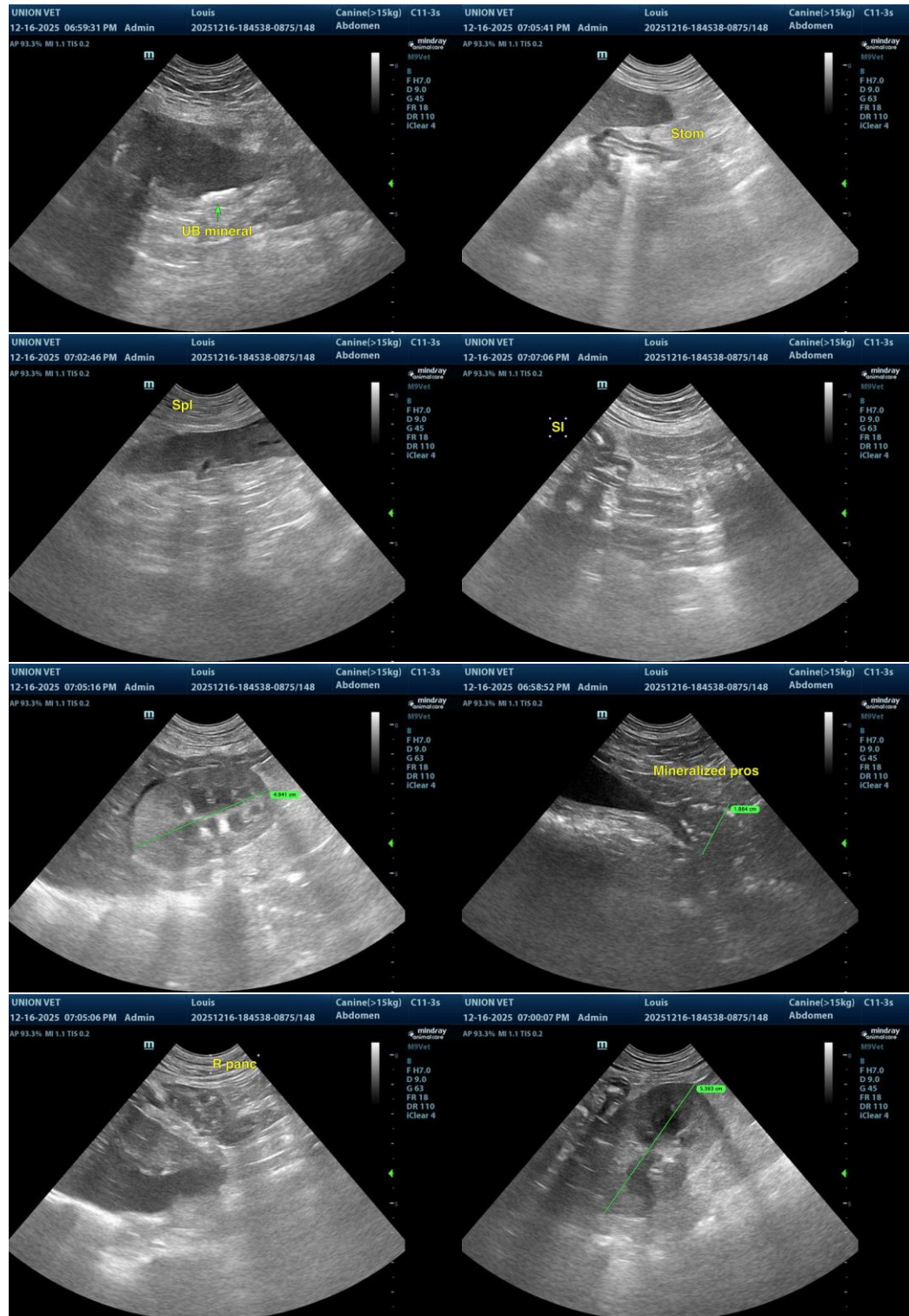
Dr. Lara Cabugawan

INVOICE

23247

DATE

12/16/2025





PATIENT

Louis Izquierdo

SPECIES

Canine

BREED

French Bulldog

SEX

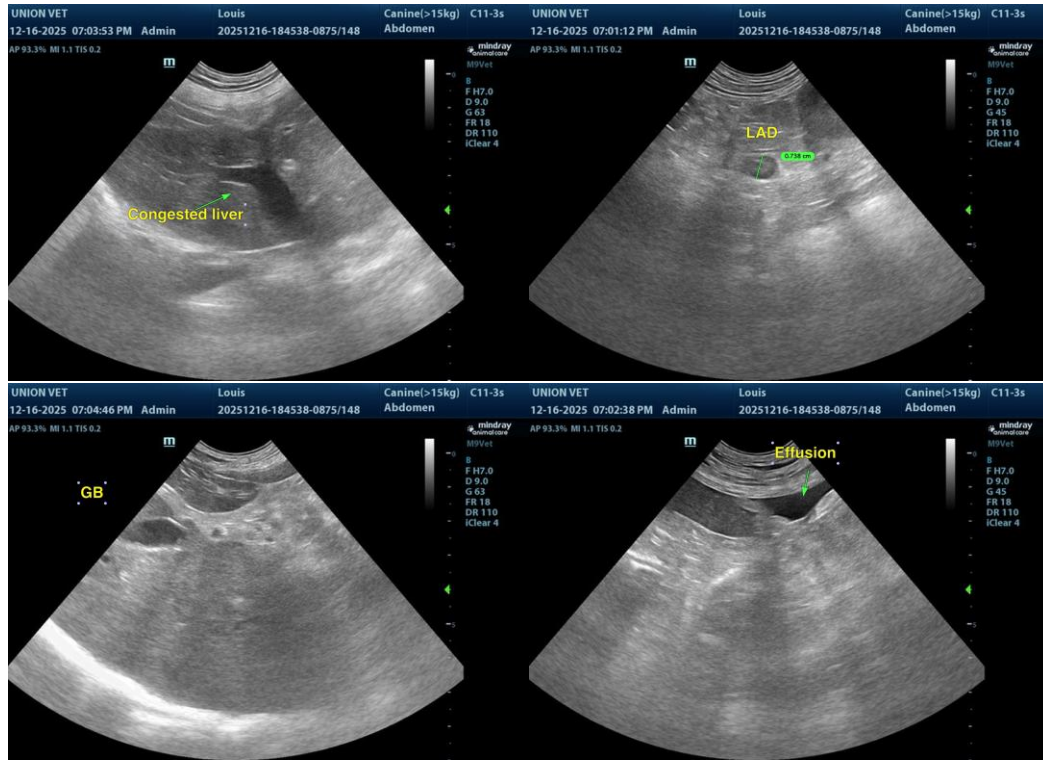
MN

AGE

14yr

WEIGHT

38lb



INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Lara Cabugawan

HOSPITAL NAME

Union Vet Animal
Hospital

REFERRING VET

Dr. Lara Cabugawan

INVOICE
23247

DATE
12/16/2025

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
info@sonopath.com