



PATIENT

Leo Valentin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

12 Years

WEIGHT

37.6 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons),
DACVECC

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse: Pet Ultraound

REFERRING VET

Dr. Maricarmen Vega

INVOICE

73388

DATE

3/4/26

PRESENTING CLINICAL SIGNS

Px presented as a referral for an abdominal ultrasound due to having elevated hepatic enzyme values. Px originally visited rDVM last month for a dental cleaning and blood chemistry showed ALT and ALP elevations. Px was prescribed Denamarin and on the follow up bloodwork the ALT and ALP values were even more elevated. Owner reports no vomiting or diarrhea, but mentioned that Px has been "restless" recently. When Px originally visited rDVM for dental cleaning he had an oral abscess, abx were given, and owner reports that abscess has now subsided.

Abnormal PE/Chem/CBC/UA Results: Bloodwork attached below for your reference

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and visible pelvic urethra were of normal thickness. The ureters were not visible which is normal. There was normal wall layering with no masses, uroliths or abnormal thickening visualized. Urine was anechoic. No evidence of inflammatory or neoplastic changes were noted.

The visible prostate is normal in size and has a generally uniform texture with no fluid accumulations or masses visualized. There is a small, hyperechoic, non-shadowing nodule noted measuring approximately 0.28 cm.

The kidneys were both normal size and structure, with smooth capsule and normal corticomedullary definition and ratio. Medullary structure differed distinctly from that of the cortex. No evidence of pelvic dilation was present. Pinpoint areas of cortical mineralization are noted in both kidneys. Left kidney measures 5.4 cm. Spherical anechoic fluid accumulations consistent with cortical cysts are noted in the right kidney. Right kidney measures 6.23 cm.

Adrenal Glands

Both adrenal glands were visualized and recognized. Both were subjectively prominent. No specific masses or nodules seen. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Left measures 2.02 cm in length x 0.67 cm at the caudal pole and 0.61 cm at the cranial pole. Right measures 2.01 cm in length x 0.79 cm at the caudal pole and 0.89 cm at the cranial pole.

Spleen

The spleen was normal with age appropriate homogeneous parenchyma and a smooth capsule with normal splenic vasculature with no signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarct changes were noted.

Liver

The liver is subjectively normal in size with normal contours and structure. There is age appropriate echogenicity and echotexture. There is a somewhat poorly defined hyperechoic nodule noted in the caudate lobe measuring 1.25 cm x 1.23 cm. No discrete masses are visualized.

The gall bladder is moderately distended with anechoic fluid, with organized gravity dependent debris present. There is no surrounding free fluid or signs of active inflammation.



PATIENT

Leo Valentin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

12 Years

WEIGHT

37.6 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons),
DACVECC

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse: Pet Ultrasound

REFERRING VET

Dr. Maricarmen Vega

INVOICE

73388

DATE

3/4/26

Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness of with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The visible pancreas was observed to be largely isoechoic to surrounding omental fat.

Free Abdomen

No clinically significant lymphadenopathy or abnormalities noted. No free fluid noted.

ULTRASONOGRAPHIC FINDINGS

- Gallbladder debris.
- Liver nodule.
- Prominent adrenal glands bilaterally.
- Aging renal changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Gall bladder debris may be an incidental finding given lack of surrounding inflammation. In the face of elevated ALKP ursodiol could be given as a choleric and empiric treatments (SAM-E, milk thistle, Vitamin E) could be tried. If liver supportive medications do not improve liver enzymes, a course of empiric antibiotics (clavamox, enrofloxacin) could be considered to cover for infectious cholangiohepatitis, though the lack of surrounding inflammation makes this less likely. Imaging should be rechecked on a routine basis for monitoring (q3-6mo) or if further significant increase in liver enzymes and/or new clinical signs are noted. Given the bilaterally prominent adrenal glands, testing for hyperadrenocorticism as a possible underlying cause predisposing to gall bladder debris accumulation and liver value elevation is recommended.

The clinical significance of the liver nodule is uncertain. FNA could be attempted to further define. It does not have the overt appearance of a developing malignant mass, but serial monitoring with ultrasound is recommended.

Renal changes are likely age related degeneration. Correlate clinical significance with semi-annual blood work/urinalysis findings and clinical signs.



PATIENT

Leo Valentin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

12 Years

WEIGHT

37.6 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons),
DACVECC

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse: Pet Ultrasound

REFERRING VET

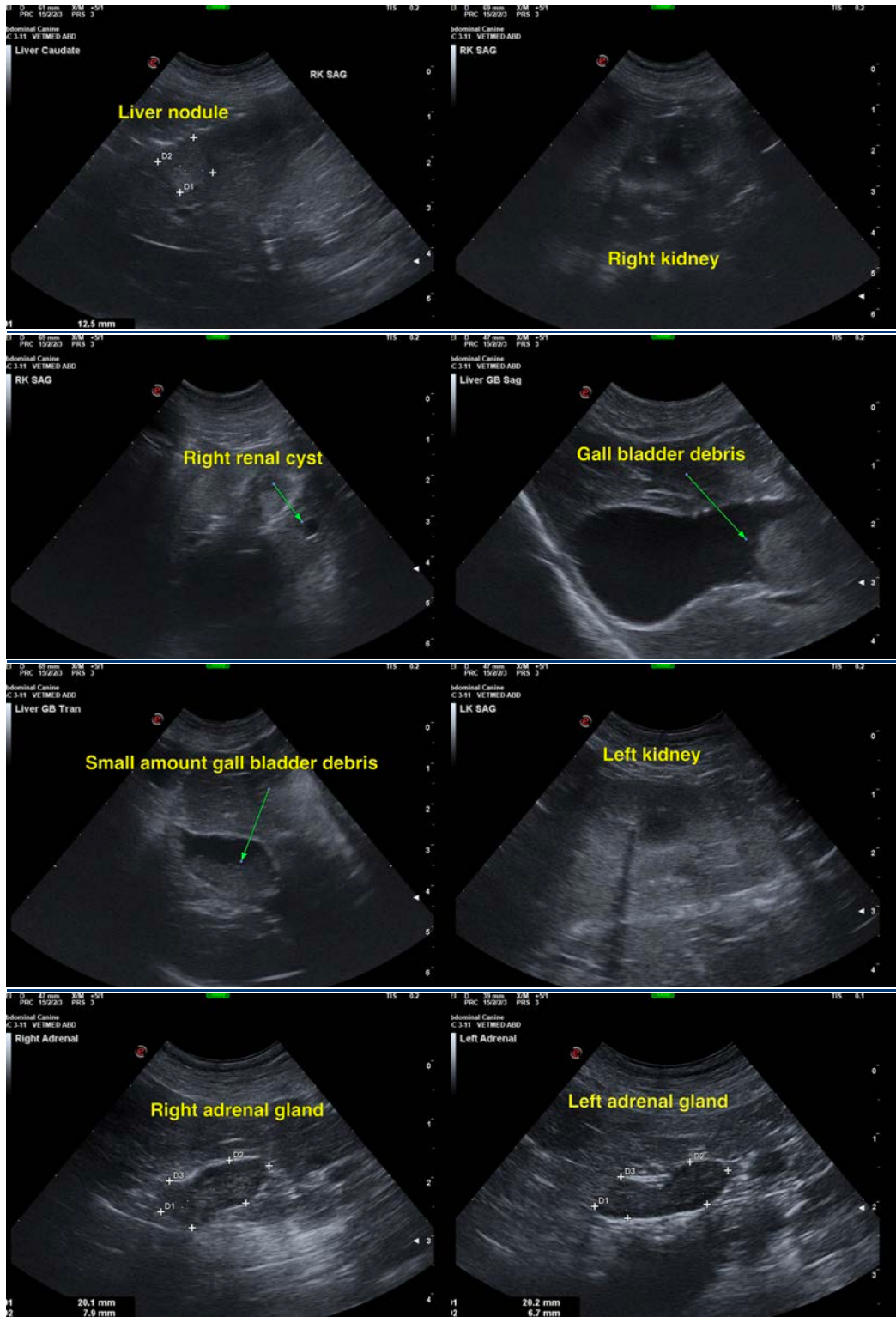
Dr. Maricarmen Vega

INVOICE

73388

DATE

3/4/26





PATIENT

Leo Valentin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

12 Years

WEIGHT

37.6 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons),
DACVECC

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse: Pet Ultrasound

REFERRING VET

Dr. Maricarmen Vega

INVOICE

73388

DATE

3/4/26

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.

Dr Brittany Sinclair, BVSc(hons), DACVECC

info@SonoPath.com