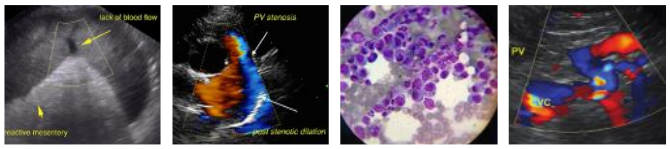
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Kobe Dushenko

SPECIES

Canine

BREED

Labradoodle

SEX

MN

AGE

12yr

WEIGHT

39.6

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Gira

HOSPITAL NAME

Sabadilla Animal Clinic

REFERRING VET

Dr. Chmielinski

INVOICE

13556ag

DATE

04/21/2023

PRESENTING CLINICAL SIGNS

Elevated liver enzymes on senior screen , patient non clinical , chronic pain issues

Abnormal PE/Chem/CBC/UA Results: CBC: wnl Biochemistry : ALT 252 10 - 125 U/L (175 in March 2023)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were 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. Mild medullary mineral was present. The left kidney measured 7.2 cm in length. The right kidney measured 7.8 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.94 cm width at the caudal pole and 0.88 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.86 cm width at the caudal pole and 0.92 cm width at the cranial pole.

Spleen

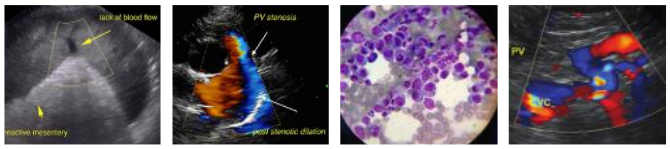
The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature 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

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. Mild parenchymal remodeling was noted. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. 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 contained ingesta sonographically consistent with food and luminal gas with no signs of ileus, obstruction or foreign material.



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Kobe Dushenko

SPECIES

Canine

BREED

Labradoodle

SEX

MN

AGE

12yr

WEIGHT

39.6

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Gira

HOSPITAL NAME

Sabadilla Animal Clinic

REFERRING VET

Dr. Chmielinski

INVOICE

13556ag

DATE

04/21/2023

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 ileus, obstruction or foreign material.

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

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

Free Abdomen

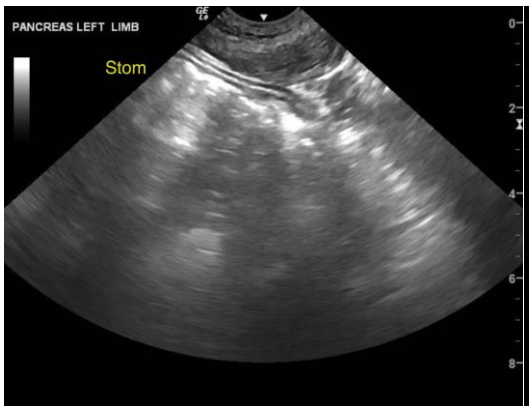
No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

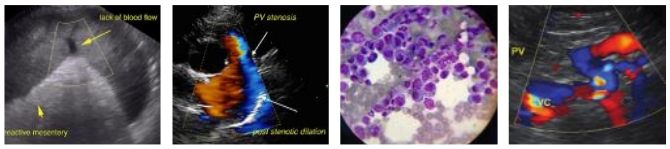
- Low grade benign hepatopathy.
- Normal gallbladder.
- Moderate chronic renal changes.
- Mild heterogenous spleen-benign.
- Sonographically unremarkable GI tract with gastric ingesta.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of intra-abdominal neoplastic criteria. The liver was non-specific yet may suggest low grade reactive or inflammatory hepatopathy given the ALT elevation. Assuming normal clotting status a hepatic FNA for screening cytology could be considered for further assessment. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial. Hepatic core surgical biopsy may be required for a definitive diagnosis yet continued monitoring at this stage would be reasonable given low grade ALT elevation and lack of clinical signs.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Kobe Dushenko

SPECIES

Canine

BREED

Labradoodle

SEX

MN

AGE

12yr

WEIGHT

39.6

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Gira

HOSPITAL NAME

Sabadilla Animal Clinic

REFERRING VET

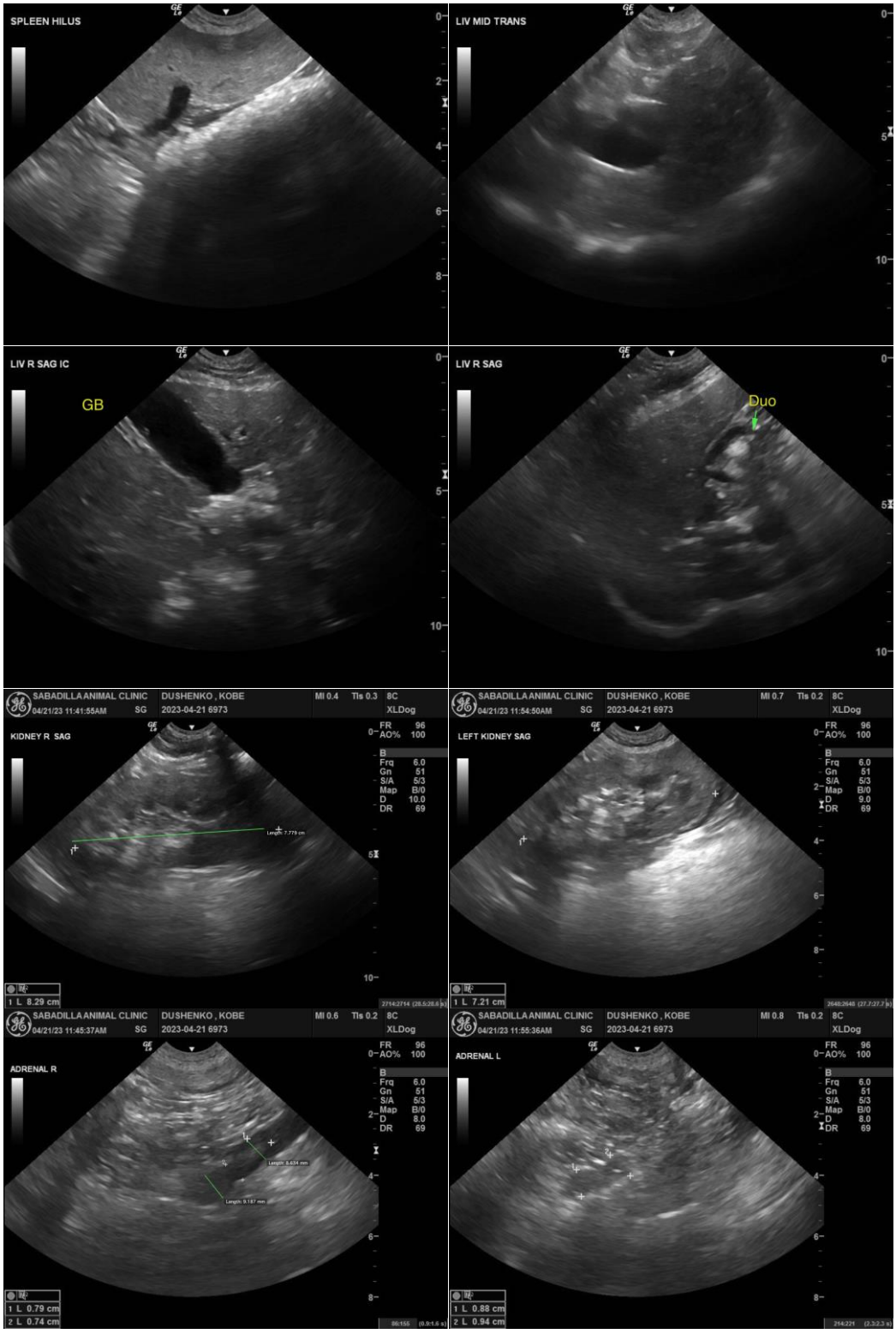
Dr. Chmielinski

INVOICE

13556ag

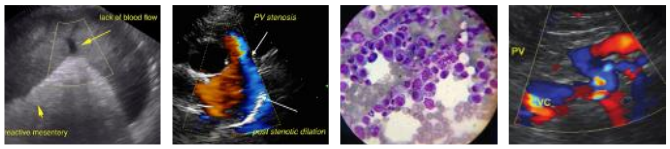
DATE

04/21/2023



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.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Kobe Dushenko

SPECIES

Canine

BREED

Labradoodle

SEX

MN

AGE

12yr

WEIGHT

39.6

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Gira

HOSPITAL NAME

Sabadilla Animal Clinic

REFERRING VET

Dr. Chmielinski

INVOICE

13556ag

DATE

04/21/2023

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)
mac.daniel@sonopath.com