

Portable Animal Wellness Sonography, Inc.

IMAGING PERFORMED BY

pawsonography@gmail.com 530-786-8340

PATIENT

Clint Kehrig

PRESENTING CLINICAL SIGNS

SPECIES deep chested and not sedated for scan- tense abdomen- In April ALT was 231 and then May increased to 326- AUS for increasing ALT

Canine Abnormal PE/Chem/CBC/UA Results: Bile Acids Pre and Post 5/20/2022 Bile Acids <1.0 Result Verified BILE ACIDS - POST 9.9 WNL for Bile Acids

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Labradoodle

Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

SEX

Neutered Male

The prostate is normal in size (0.92 cm) and shape for this neutered male dog. The parenchyma is homogenous and the external margins are smooth. The prostatic urethra appears normal with no evidence of irregularity, invasion, mass effect or calculi.

AGE

4 Years

The left kidney has a normal shape and size (7.02 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

66 Pounds

The right kidney has a normal shape and size (7.01 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

Adrenal Glands

The left adrenal gland is normal in size measuring 0.68 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

IMAGING BY

Loetitia Saint-Jacques,
I/VT

The region of the right adrenal (between right cranial kidney and vena cava) is unremarkable, but the adrenal is not distinctly visualized. No evidence of a mass effect.

Spleen

HOSPITAL NAME

South Reno VH

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. There is a small hypoechoic nodule visualized measuring 0.55 cm.

Liver

REFERRING VET

Dr. Schmitt

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

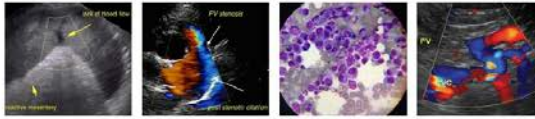
INVOICE

38519

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are primarily anechoic. The cystic and common bile ducts are normal/not visible.

DATE

6/8/22



PATIENT

Clint Kehrig

Gastrointestinal

SPECIES

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

Canine

BREED

Labradoodle

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. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

SEX

Neutered Male

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.

AGE

4 Years

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

WEIGHT

66 Pounds

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

Other

A brief view of the heart was submitted. No significant pericardial effusion was seen.

ULTRASONOGRAPHIC FINDINGS

- Hypoechoic nodule in the spleen – There is a non-cavitated, hypoechoic splenic nodule visualized. Differentials include lymphoid hyperplasia, extramedullary hematopoiesis, infiltrative neoplasia, inflammation, other. Cytology or histopathology would be necessary to get a definitive diagnosis.

IMAGING BY

Loetitia Saint-Jacques,
I/VT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

South Reno VH

No focal lesions are visualized associated with the liver or biliary tract to explain the ALT elevation reported. The normal bile acid levels make a portosystemic shunt unlikely, and there was no evidence of one on today's scan. These are my recommendations for an ALT elevation with no lesions:

REFERRING VET

Dr. Schmitt

- Consider close evaluation of history for possible toxic changes examine medications, diet, dietary indiscretion etc...

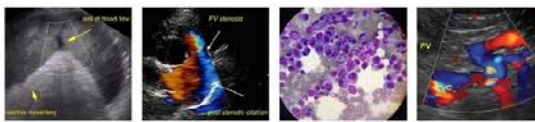
INVOICE

38519

- Consider PCR on urine/serum for leptospirosis (if not on antibiotics)/serology if recent antibiotic history

DATE

6/8/22



PATIENT

Clint Kehrig

- If not already done, consider pre and post prandial bile acids to evaluate liver function (this has already been done).

SPECIES

Canine

- Consider Fine needle aspirate if round cell neoplasia is on your differential list (25 g needle, normal coags)

BREED

Labradoodle

There is a small hypoechoic lesion in the spleen. This could represent a benign or early neoplastic lesion. Consider a fine needle aspirate or continued monitoring with ultrasound.

SEX

Consider three view thoracic radiographs to rule out concurrent thoracic disease/involvement.

Neutered Male

AGE

4 Years

WEIGHT

66 Pounds

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING BY

Loetitia Saint-Jacques,
I/VT

HOSPITAL NAME

South Reno VH

REFERRING VET

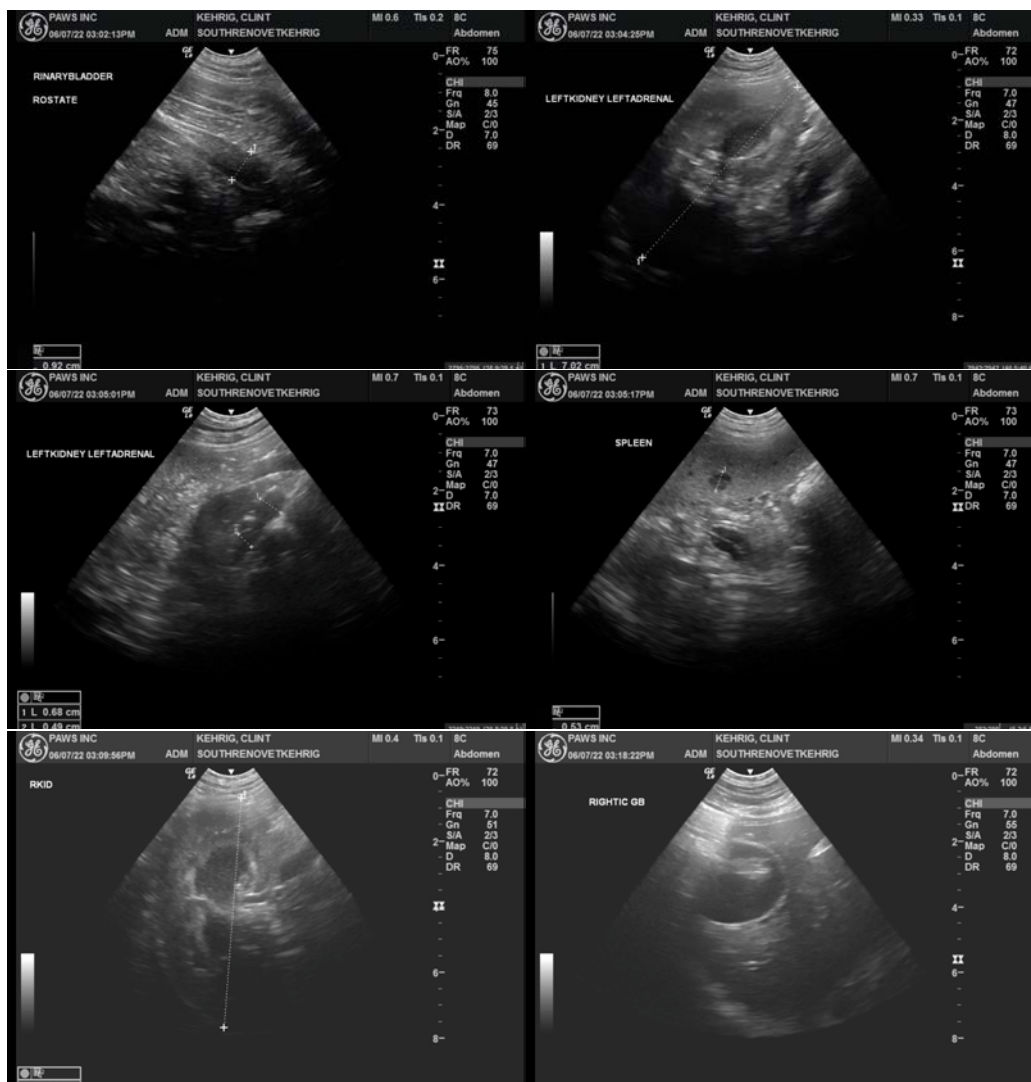
Dr. Schmitt

INVOICE

38519

DATE

6/8/22





PATIENT

Clint Kehrig

SPECIES

Canine

BREED

Labradoodle

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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)
kathleen.sennello@sonopath.com

SEX

Neutered Male

AGE

4 Years

WEIGHT

66 Pounds

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING BY

Loetitia Saint-Jacques,
I VT

HOSPITAL NAME

South Reno VH

REFERRING VET

Dr. Schmitt

INVOICE

38519

DATE

6/8/22