



PATIENT PRESENTING CLINICAL SIGNS

Chili Schmiehen

Recent NSAID panel showed high liver values. O report decreased appetite, otherwise no other symptoms. Current meds: Hepaticlear (liver supplement), Pimobendan and Furosemide for heart disease, carprofen for arthritis

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: ALT 311, ALP 496 Rest of Chem normal CBC nsf UA - usg 1.023 wbc 4-10 per hpf otherwise nsf

BREED

Labrador x Vizsla

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Neutered Male

The **urinary bladder** is full with anechoic urine with very mild suspended sediment. The wall thickness is normal. There is no evidence of masses or irregularities. The trigone of the bladder is normal. The proximal urethra is normal.

AGE

18 Years

The **iliac trifurcation** was visualized. There was normal vascular perfusion with no evidence of thrombus formation. The medial iliac lymph nodes were visualized and found to be normal in size, shape and echogenicity.

WEIGHT

65 Pounds

Both kidneys were of a normal size, shape, and position. The capsule was mildly irregular with no capsular expansion. There was mild to moderate increase in cortical echotexture. A slightly asymmetrical 1:3 cortex to medulla ratio was present, with a mild loss of corticomedullary distinction. These changes are largely as expected for the age of the patient. There was no pelvic dilation. The left kidney measured 6.4 cm. The right kidney measured 5.9 cm. There are multiple small cortical cysts in the left kidney, an example measured 5.0 mm in diameter. These are common in older dogs as an aging change.

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

Adrenal Glands

The left adrenal gland was not visualized. The right adrenal gland was visualized indistinctly but appeared normal size and shape.

IMAGING PERFORMED BY

Dr. Kara Wallisch

Spleen

HOSPITAL NAME

Sondel Family VC

The spleen was normal in shape, size, and position. There was an overall smooth capsule contour. The parenchyma was mildly heterogenous, without overt nodules. There is a 1.6 cm iso- to hypoechoic splenic nodule adjacent to the splenic hilus. It does deviate the capsule mildly, however is not overtly concerning and may represent a benign nodule. The splenic vasculature was normal in volume with no evidence of thrombus on doppler exam. The parenchymal changes likely represent benign changes such as extramedullary hematopoiesis or remodeling that can happen with age. The likelihood of inflammatory or neoplastic disease is considered low.

REFERRING VET

Dr. Kara Wallisch

INVOICE

44519

Liver

DATE

7/28/23

The liver was subjectively normal in size with mildly irregular capsule contour. The hepatic parenchyma was mildly heterogenous with moderate coarse echotexture. The parenchymal changes are subjectively benign remodeling and likely represent an aging change. Variably sized hyperechoic nodules were noted throughout the liver parenchyma. The nodules minimally disrupted the architecture and capsule contour. These may be benign nodular regeneration, common in older dogs. The hepatic vasculature was normal in volume and structure. The gall bladder was normal in size and contents. The cystic and common bile ducts were normal with no evidence of obstruction or inflammation.



PATIENT

Chili Schmiehen

The gallbladder was normal size and shape, with echogenic, non-mineralized biliary sludge. The wall was normal thickness with no visible inflammation. The cystic duct and common bile ducts were normal in size with no evidence of obstruction.

SPECIES

Canine

Gastrointestinal

BREED

Labrador x Vizsla

The **stomach** was empty with mildly thickened walls with intact layering. The mucosa was hypertrophied and mildly echogenic. The small intestine was diffusely thickened, primarily due to mucosal hypertrophy. The small intestine maintained wall layering throughout. The visible colon was normal in wall thickness and apparent contents.

SEX

Neutered Male

Pancreas

AGE

18 Years

The left limb, body and right limb of the **pancreas** were visualized and found to be normal in size and shape. The pancreatic capsule was smooth, without deviation or expansion. The parenchyma was isoechoic to the surrounding mesentery. The pancreatic duct was normal in size and appearance. There was no evidence of discrete masses or inflammation.

WEIGHT

65 Pounds

Free Abdomen

No peritoneal effusion or lymphadenopathy was noted on examination of the peritoneal cavity.

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

ULTRASONOGRAPHIC FINDINGS

- Mild gastroenteritis pattern
- Aging changes in the liver, spleen and kidneys

IMAGING PERFORMED BY

Dr. Kara Wallisch

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no overt evidence of neoplasia or masses within the abdominal cavity. The changes are largely as expected for the age of the dog. Given the mild gastroenteritis pattern, consider supportive care for the GI and making sure that the Carprofen is given with a meal and/or changed to a different NSAID. I suspect that the liver values may be secondary to the gastroenteritis or related to a very mild recent liver insult. Although a fine needle aspirate and/or core liver biopsy would be needed to confirm, I suspect that the changes in the liver are benign nodular regeneration.

HOSPITAL NAME

Sondel Family VC

REFERRING VET

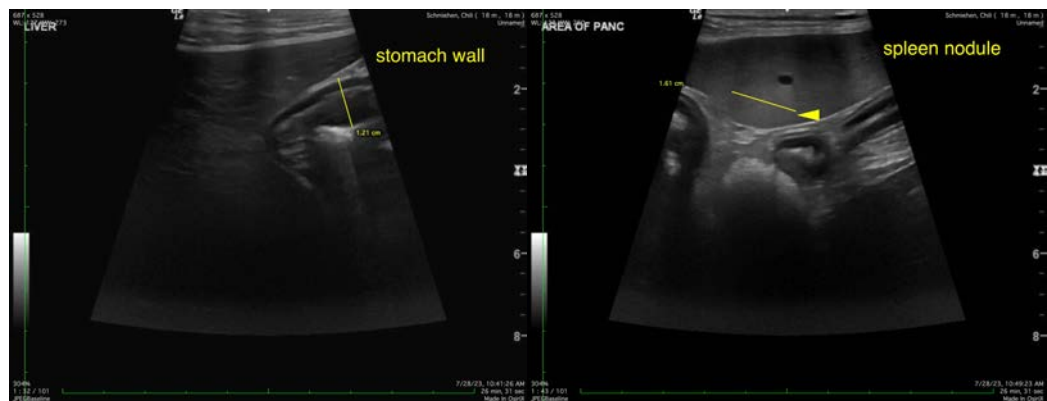
Dr. Kara Wallisch

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SPECIES

Canine

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Labrador x Vizsla

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**IMAGING
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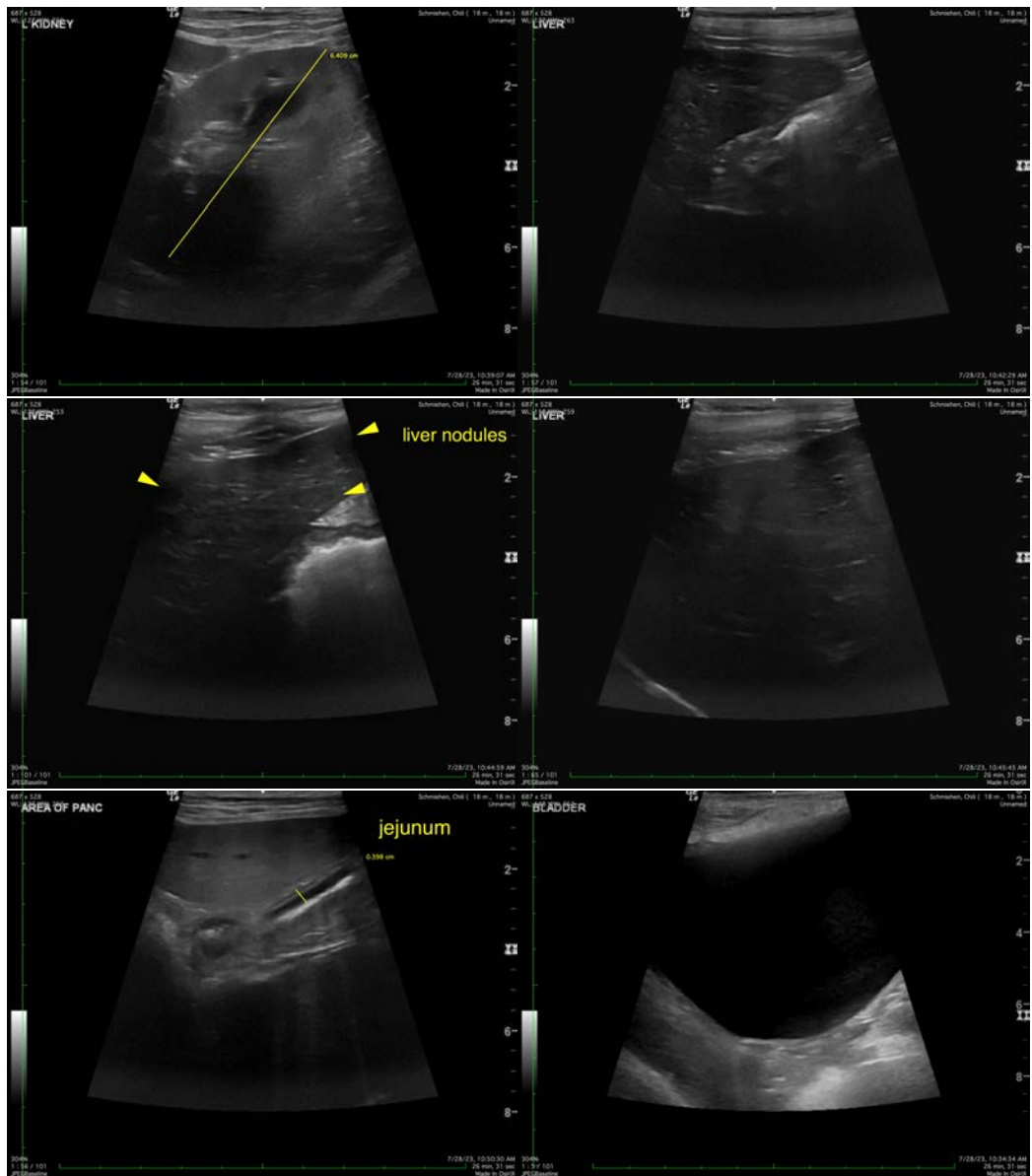
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Karen Ebersole, DVM, DABVP (Canine and Feline practice)
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