

PATIENT PRESENTING CLINICAL SIGNS

Kodiak Gallo History: Diabetic past 3 months – on 18 IU Novalin N bid. Long-term elevated liver enzyme activity with recent increase. Cholangio-hepatitis 2018.

SPECIES Physical Examination: N/A.

Canine Urinalysis: glucosuria.

BREED Recent CBC: Normal.

Karelian Bear dog Recent Serum Biochemistry: Elevated liver enzyme activity and glucose.
Radiographic Findings: N/A.

SEX

MN

AGE

10 years

WEIGHT

69.5 #

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD, Dipl.
ECVIM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Small urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 6.6 cm, right 6.8 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

Small hypoechogenic prostate.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 1.59 x 0.77 cm, right 1.46 x 0.58 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. Focal hypoechogenic parenchymal nodule (0.5 x 0.6 cm) in the tail of the spleen. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Enlarged with rounded edges, increased echogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

INVOICE

303391

DATE

9/9/22

IMAGING PERFORMED BY

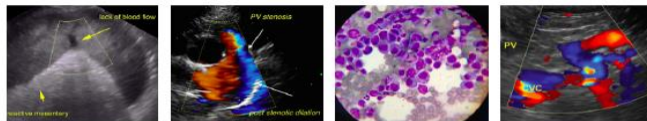
Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

Dr Megan Cassels-Conway,
DVM



PATIENT *Gastrointestinal*

Kodiak Gallo Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.

SPECIES *Pancreas*

Canine Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

BREED *Free Abdomen*

Karelian Bear dog No mesenteric lymphadenomegaly.
No ascites.

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ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Hepatopathy.
- Splenic nodule.

Secondary Findings:

- Age-related renal changes.
- Gall bladder sediment.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The most likely etiology for the hepatopathy would be from the diabetes with reactive, hyperplasia, vacuolar, and chronic hepatitis, differential diagnoses and infiltrative neoplasia an unlikely differential diagnosis.

Likely etiologies for the splenic nodule would be reactive hyperplasia and hematoma with granuloma and neoplasia, less likely differential diagnoses.

As there is persistent hyperglycemia, it would appear that the diabetes is poorly controlled. Although the adrenal glands appear normal, with the progressive elevation in ALP activity, Cushing's disease needs to be considered.

Further assessment would be glucose curve, FNA cytology of the liver, and possibly adrenal function testing.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be ursodiol.



PATIENT IMAGES

Kodiak Gallo **Liver**

SPECIES

Canine

BREED

Karelian Bear dog

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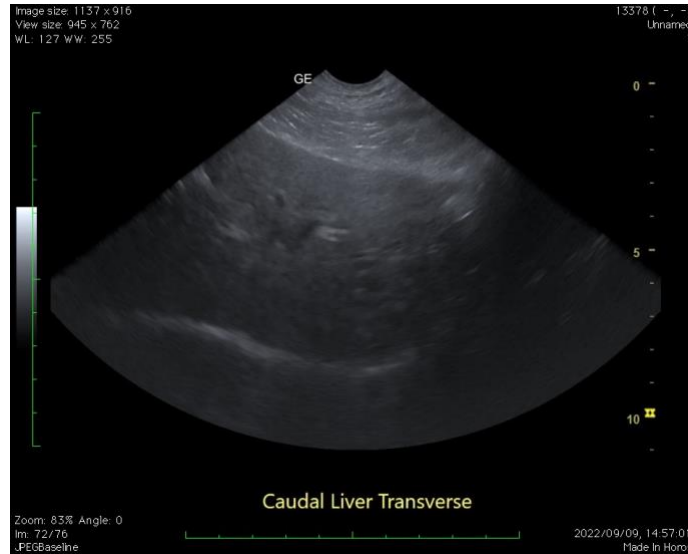
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Liver



Spleen



The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

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