



PATIENT PRESENTING CLINICAL SIGNS

Kolt Lentz
History: Acute onset vomit one day 5/20/22 and anorexia since and generalized painfulness exhibited by vocalization when owner assists him to move due to ongoing arthritis. Phenobarbital for seizures well controlled, last Phenobarbital level June 2020 74.4 (68-147). Deramaxx 75mg half tablet as needed about 3 times a week.

SPECIES

Canine

BREED

Siberian Husky

SEX

MN

AGE

12 yr

WEIGHT

66 lb

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Heather Brenner

HOSPITAL NAME

Riverside Animal
Clinic

REFERRING VET

Dr. Heather Brenner

INVOICE

10649ag

DATE

05/23/2022

Abnormal PE/Chem/CBC/UA Results: Presented 5/23/2022. Febrile 102.8, tachycardic 160bpm with weak femoral pulses, panting, MM pink and semi moist, CRT 1 sec. Abdomen quiet GI sounds and mildly tense palpation. CBC: HCT 36% (37.3-61.7), WBC 17.2 (5.05-16.76) suspect bands, Mono 3.17 (.15-1.12). CHEM: mild azotemia, and hyperglycemia, Phosphorus elevated 7.5 (2.5-6.8), Globulin 5.1 (2.5-4.5). ALT 338 (10-125). ALKP 1304 (23-212), Cholesterol 327 (110-320). Chloride 105 (109-122). CPL: Abnormal Urinalysis: USG 1.034, Bilirubin crystals, WBC TNTC with intracellular cocci, RBC 5-20/hpf, Cellular casts.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra presented normal thicknesses and normal tone to a depth of 2 cm. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The kidneys revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. The left kidney was deviated caudally owing to regional inflammation. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilatation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.57 cm in length. The right kidney measured 6.0 cm in length.

Adrenal Glands

The region of the right adrenal gland measured 0.5 cm in width. The left adrenal gland was not overtly visualized. Mixed echogenic tissue changes were noted in this region.

Spleen

The spleen was uniformly enlarged with relatively uniform parenchyma without evidence of masses. The capsule was mildly swollen. This is most consistent with hypersplenism and reactive hyperplasia deriving from splenic white or red pulp. However, early infiltrative disease, such as lymphoma or mast cell neoplasia can, at times, present in this manner but not suspected. 25g US-guided FNA would be best in order to ensure only reactive hyperplasia is present. If clinical signs fit with potential neoplasia or mast cell disease, then Benadryl injection (1 mg/pound IM) 15 minutes prior to FNA would be recommended.

Liver

The liver images submitted revealed an ill-defined expansive mixed echogenic nodular mass measuring 8.0 cm x 3.6 cm in the left lateral liver lobe however this is likely a focal manifestation of diffuse disease. An infiltrative hypoechoic nodular pattern was noted throughout the liver with capsular expansion and enhanced surrounding mesentery.



PATIENT

The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.

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Gastrointestinal

SPECIES

Examination of the gastrointestinal tract revealed the upper gastrointestinal tract was thickened with a focal pyloric thickening measuring approximately 1.5 cm.

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Pancreas

BREED

The base and limbs of the pancreas exhibited heterogeneous mixed hyperechoic changes owing to secondary inflammation from the hepatic mass.

Siberian Husky

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ULTRASONOGRAPHIC FINDINGS

MN

- Hepatic mass with infiltrative hepatic pattern, possible splenic involvement and regional inflammation
- Mixed echogenic tissue changes noted in the region of the left adrenal gland

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WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

66 lb

An FNA of the hepatic mass, spleen and general liver is recommended for further definition. If the spleen and general liver are non-neoplastic then the left hepatic lobectomy could be considered. The prognosis for this patient is guarded. Primary concerns are lymphoma vs carcinoma.

INTERPRETED BY

Note: Given the global abdominal presentation, I do not feel this patient is an overt surgical candidate.

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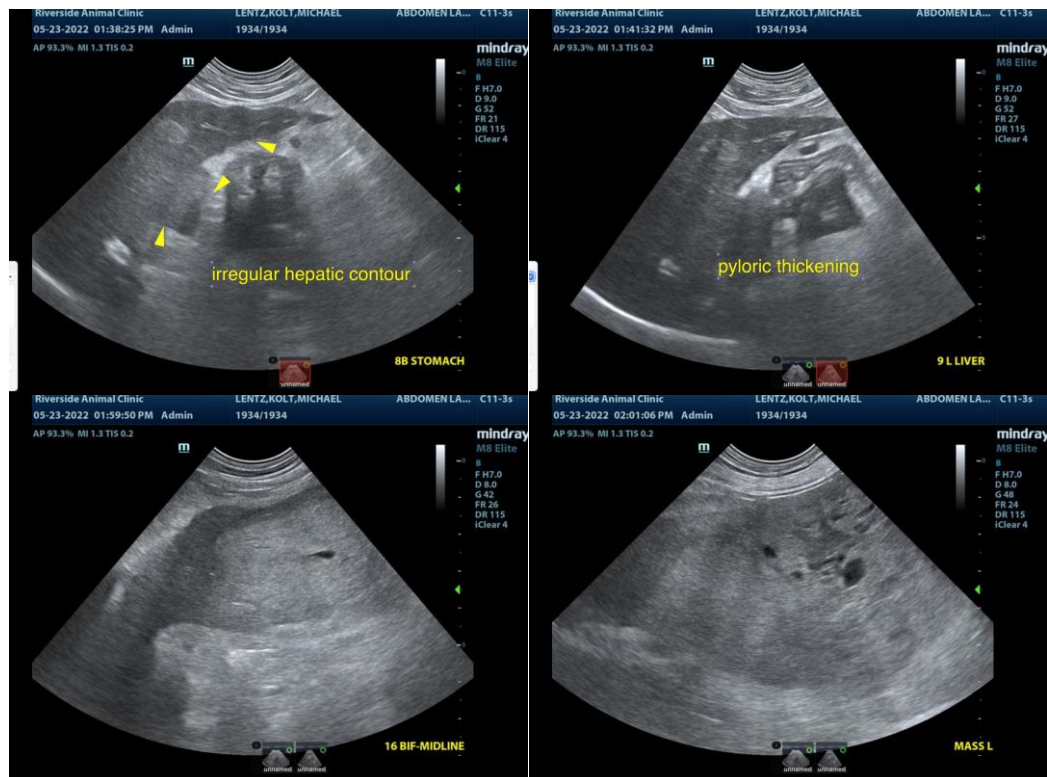
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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Eric.Lindquist@SonoPath.com