



PATIENT

Peach Fraley

SPECIES

Canine

BREED

Bernese Mountain Dog

SEX

Intact Female

AGE

1 year

WEIGHT

85 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Brian Klug

HOSPITAL NAME

Sondel Family VC

REFERRING VET

Dr. Mohny

INVOICE

32362

DATE

8/16/22

PRESENTING CLINICAL SIGNS

History: Presented for OVH + gastropexy procedure on August 4th Pre-operative bloodwork prior to procedure noted elevated CREA 1.7 and elevated ALP 322, USG 1.026 on urine in house but not first morning urine. OVH and gastropexy procedure was then not performed until further work-up performed.

Abnormal PE/Chem/CBC/UA Results: 8/4/22 pre-operative bloodwork in house - elevated CREA 1.7 and elevated ALP 322 U/L (normal range 20-150 U/L). In house USG 1.026 (not first morning urine. 8/5/22 send out superchem/CBC/T4 to antech - elevated ALP 344 IU/L (normal range 5-131 IU/L), elevated CREA 1.8, mild hypoglycemia 69mg/dl (normal range 70-138 mg/dl), mild hypercholesterolemia 472 mg/dl (normal range 92-324 mg/dl), leukocytosis 19.3×10^3 (normal range $4-15.5 \times 10^3$), neutrophilia 14089/UL (normal range 2060 - 10600/UL), monocytosis 1737/UL (normal range 0-840/UL) 8/15/22 - Lepto blood and urine PCR to antech - both NEGATIVE

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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 was noted. Ureteral papillae were normal.

The **kidneys** revealed normal structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney was mildly subnormal in size and measured 4.0 cm. The left kidney was normal and measured 6.2 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.46 cm at the cranial pole and 0.65 cm at the caudal pole. The right adrenal gland measured 0.63 cm at the cranial pole and 0.47 cm at the caudal pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.



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Liver

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The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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Gastrointestinal

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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. There was no complication to gastropexy. The mesenteric lymph node was reactive and measured 0.85 cm in width.

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Pancreas

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Subnormal right renal size; otherwise, structurally normal kidneys.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

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There was no evidence of structural renal disease that would suggest emerging failure. Idiopathic creatinine elevation may be an issue with this patient. Further periodic monitoring is warranted regarding urinalysis; however, structurally urinary tract was unremarkable as is the remainder of the abdomen.

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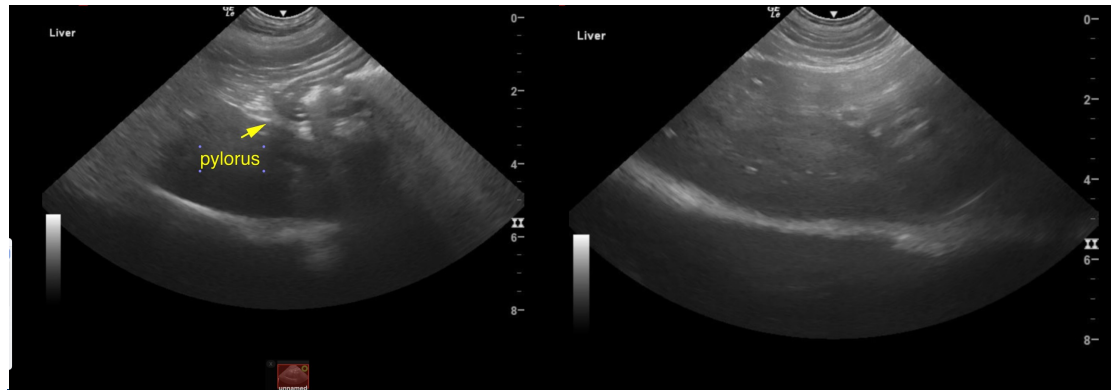
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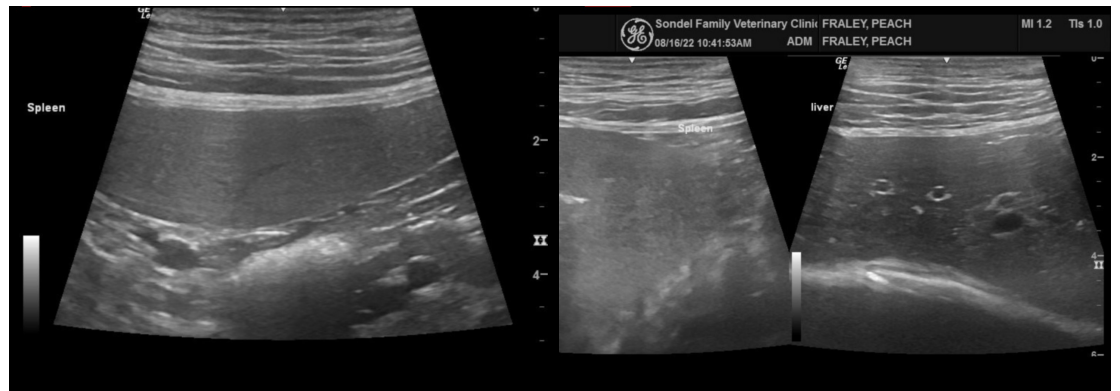
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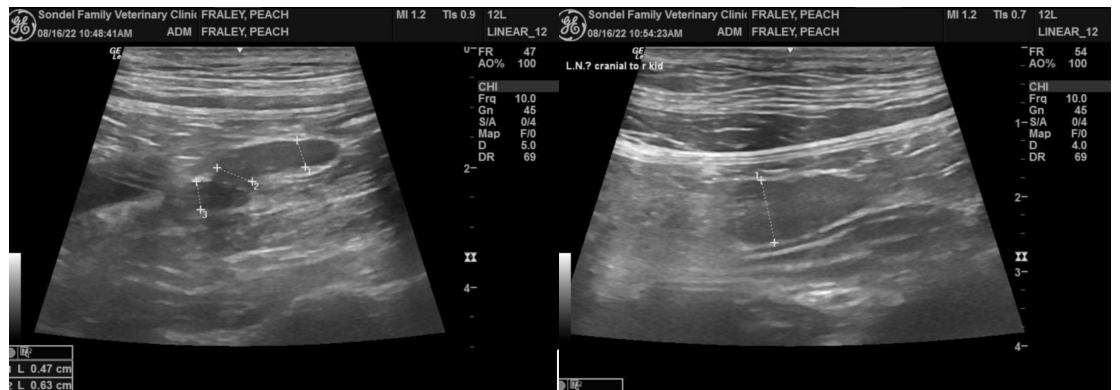
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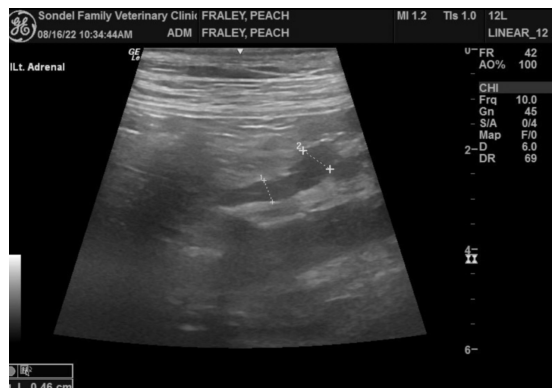
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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