



PATIENT PRESENTING CLINICAL SIGNS

Camo Newton drinking more water diarrhea vomited this am eating less yesterday, not eating today joint disease
Lupus - managed

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

10 Years

WEIGHT

80 Pounds

Abnormal PE/Chem/CBC/UA Results: HCT = 22 % - regenerative WBC 23,900 with neutrophilia, monocytosis PLT low at 80 but clumped although slide review suggests they are slightly low Na 137, Cl 103 TP 5, Alb 2.3 AST = 81 spec cPL is wnl at 30 Urinalysis: spgr 1.050, ph = 7, 1= protein T4 is very low at <0.4 Fecal - negative Current Medications Provable 1 cap SID

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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 8.02 cm. The right kidney measured 8.05 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 2.97 cm x 0.58 cm at the caudal pole and 0.69 cm at the cranial pole. The right adrenal gland measured 3.13 cm x 1.1 cm at the cranial pole and 0.59 cm at the caudal pole.

IMAGING PERFORMED BY

Sara Hansen

Spleen

The **spleen** was mildly heterogeneous with slightly irregular, scalloping contour. Disruptive nodules noted, the largest of which measured 2.5 cm with capsular expansion. A separate parenchymal mass was noted at the cranial pole measuring 5.0 cm. Reactive mesentery noted around the splenic masses.

HOSPITAL NAME

Countryside AC

Liver

REFERRING VET

Dr. Cox

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable. No obvious evidence of metastatic disease. However, micrometastasis is a potential.

INVOICE

41795

DATE

9/30/22



PATIENT *Gastrointestinal*

Camo Newton 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. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

Pancreas

BREED

German Shepherd

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.

SEX

Other

Neutered Male

Rapid view of the heart revealed no evident pathology in the right auricle or pericardium.

AGE

ULTRASONOGRAPHIC FINDINGS

10 Years

- Splenic masses
- Age related hepatic changes

WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

80 Pounds

No free fluid noted. Concern for underlying bone marrow disease in this patient. No obvious organ metastasis. Either ultrasound guided FNA of the spleen and liver could be considered, or direct exploratory splenectomy. However, CBC path review indicated. No evidence of hemorrhage present. Prognosis is guarded to poor. Hemangiosarcoma versus round cell neoplasia, both of which can present in this fashion. Chest radiographs warranted.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Countryside AC

REFERRING VET

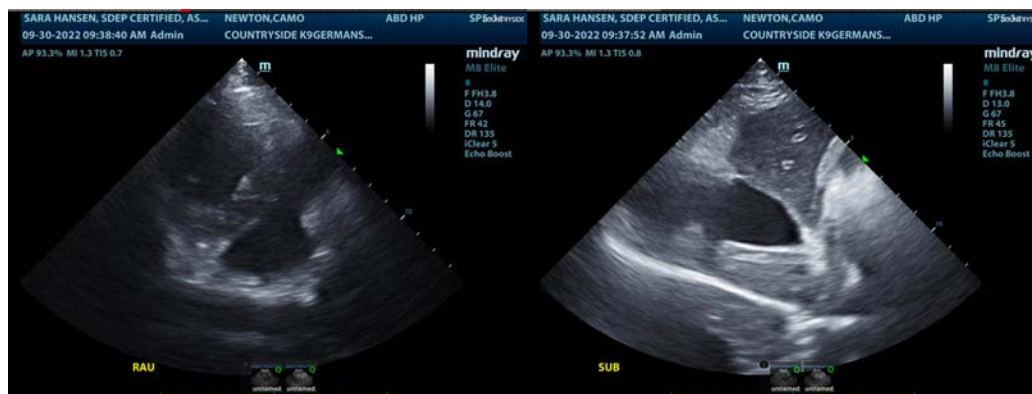
Dr. Cox

INVOICE

41795

DATE

9/30/22





PATIENT

Camo Newton

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

10 Years

WEIGHT

80 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Countryside AC

REFERRING VET

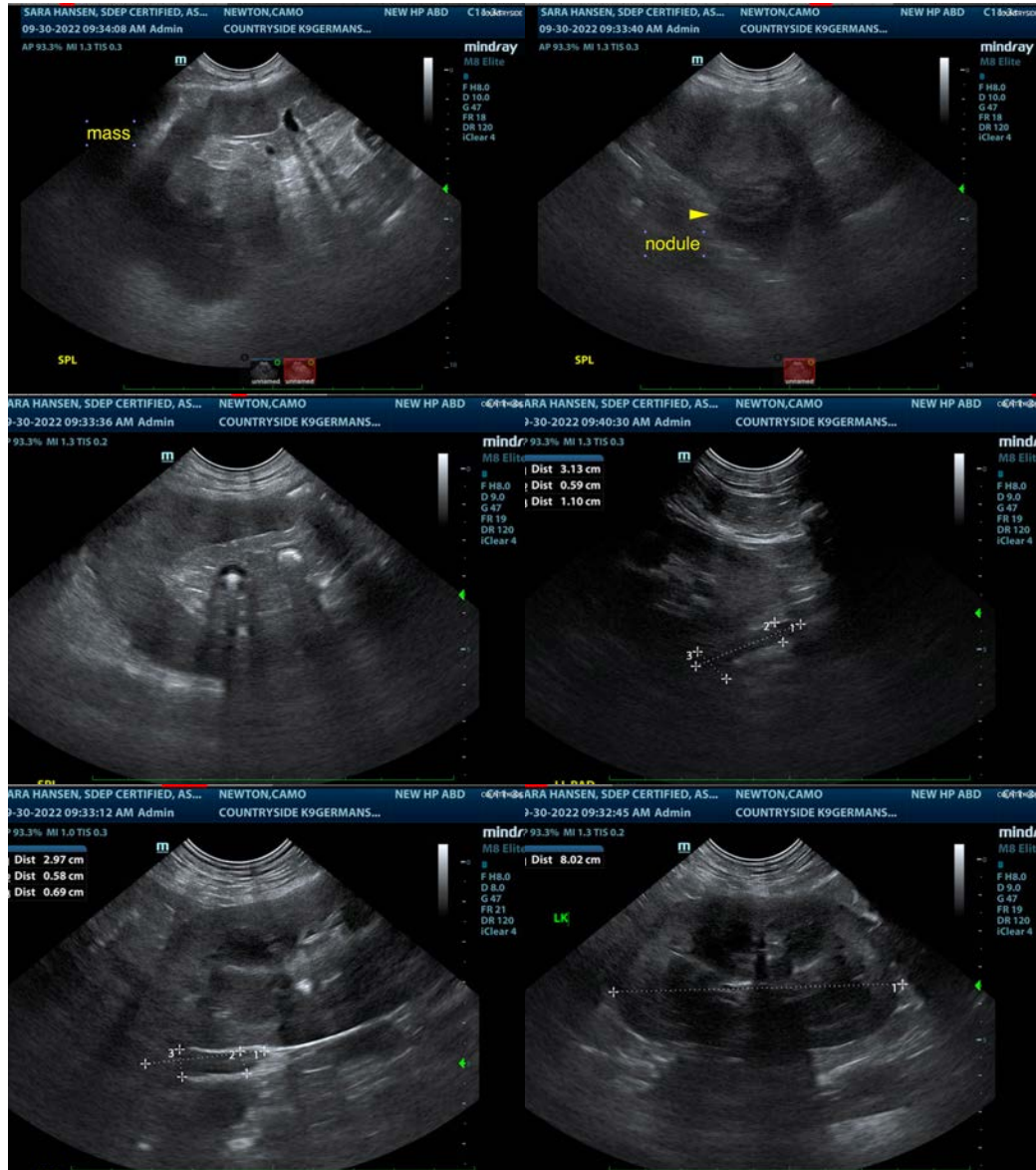
Dr. Cox

INVOICE

41795

DATE

9/30/22



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 email: st@sonopath.com contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com