



PATIENT

Neeko Cosford

PRESENTING CLINICAL SIGNS

Vomiting and diarrhea last 3-4 days,
Abnormal PE/Chem/CBC/UA Results: Mild elevation of kidney enzymes

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Bernese MD

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.

SEX

Neutered Male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Cortical infarcts and remodeling noted. The right kidney measured 6.84 cm.

AGE

8 Years

Adrenal Glands

WEIGHT

49.2 kg

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 0.37 cm at the cranial pole and 0.64 cm at the caudal pole. The right adrenal gland measured 0.82 cm at the cranial pole and 0.54 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The spleen was folded upon itself cranially and caudally, fairly uniform. 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 were noted.

IMAGING PERFORMED BY

Dr. Belan

Liver

HOSPITAL NAME

South Pointe AH

A 3.78 cm, mixed hypoechoic, undifferentiated mass was noted in the left medial **liver** with coalescing surrounding nodular changes. The gallbladder and common bile duct were unremarkable. A regional lymph node was enlarged and rounded, overlying the pancreas, measuring 2.0 cm.

REFERRING VET

Dr. James

Gastrointestinal

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.

INVOICE

37439

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain

DATE

5/5/22



PATIENT

Neeko Cosford

upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

ULTRASONOGRAPHIC FINDINGS

SPECIES

Canine

- Left medial parenchymal liver mass – carcinoma versus pronounced hyperplasia.
- Distorted lymph node overlying the pancreas

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

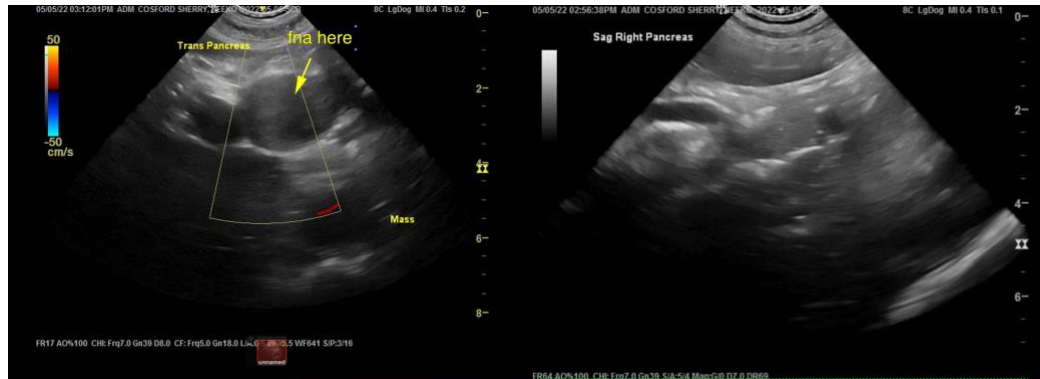
BREED

Bernese MD

FNA of the hepatic lymph node and liver mass indicated. Strong concern for underlying round cell neoplasia, given the breed predisposition. Chest radiographs and assessment of the cranial mediastinum indicated to look for metastatic disease.

SEX

Neutered Male



AGE

8 Years

WEIGHT

49.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

South Pointe AH



REFERRING VET

Dr. James

INVOICE

37439

DATE

5/5/22



PATIENT

Neeko Cosford

SPECIES

Canine

BREED

Bernese MD

SEX

Neutered Male

AGE

8 Years

WEIGHT

49.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

South Pointe AH

REFERRING VET

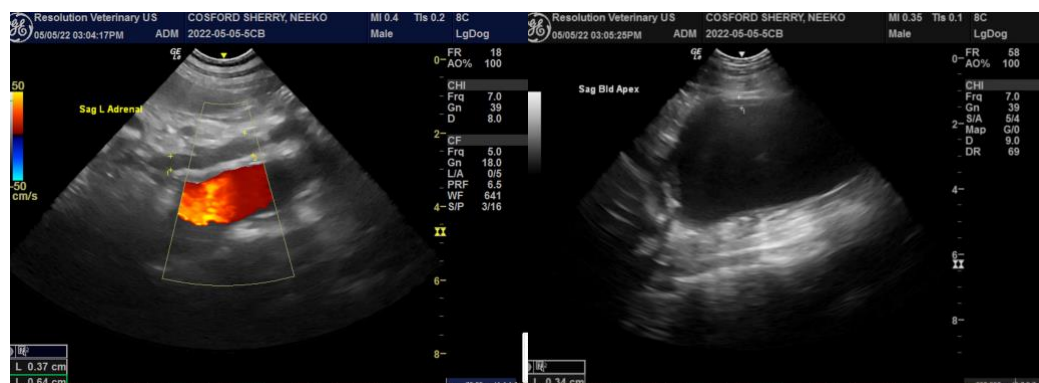
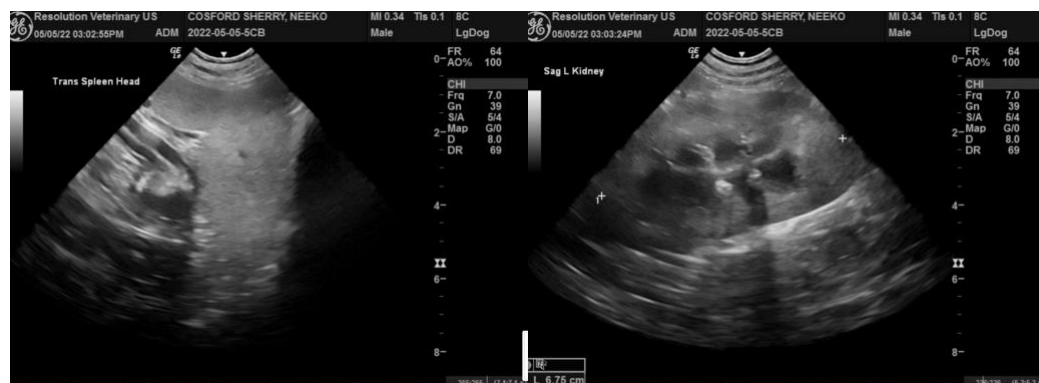
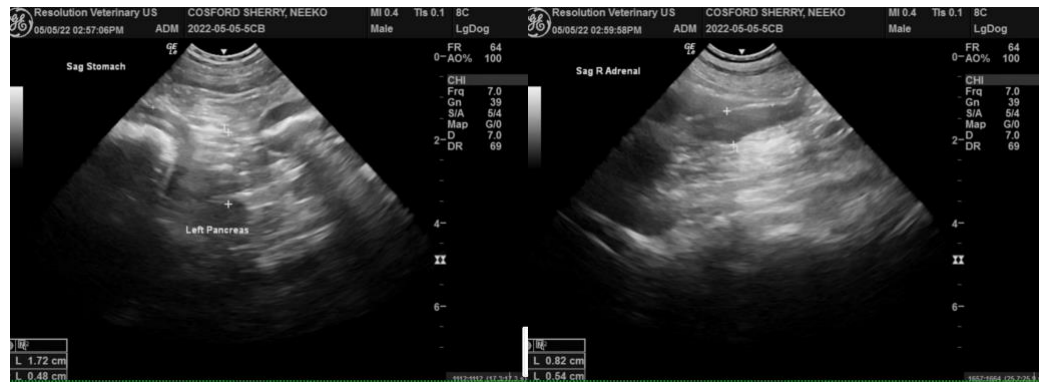
Dr. James

INVOICE

37439

DATE

5/5/22





PATIENT

Neeko Cosford

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.

SPECIES

Canine

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.

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

info@SonoPath.com

BREED

Bernese MD

SEX

Neutered Male

AGE

8 Years

WEIGHT

49.2 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

South Pointe AH

REFERRING VET

Dr. James

INVOICE

37439

DATE

5/5/22