



PATIENT

Lucy Neckel

PRESENTING CLINICAL SIGNS

History: On 1/7/22 presented to primary care for poss constipation, supportive outpatient care; on 1/10 rechecked poss painful mouth or neck, decreased appetite.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: 1/10 PE abn noted: -severe dental disease -neck pain -luxating patellas -hunched posture in back -slight ataxia hind Radiographs: disc space narrowing T11-12, T12-13 Brief ultrasound showed possible Hyperechoic gallbladder mass CBC and Chem panel normal on 1/7/2022 (on 1/7, WBC count just below ref range with slight absolute neutropenia but relative distribution normal; on 1/10, WBC count normal, sl lymphopenia)

BREED

Chih X

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

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.

AGE

8 Years

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor 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. Trace pyelectasia noted in the right kidney. The right kidney measured 3.54 cm. The left kidney measured 3.54 cm.

WEIGHT

4.75 Lbs.

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 0.3 cm. The right adrenal gland measured 0.3 cm.

IMAGING PERFORMED BY

Becky Callihan,
DVM/PCMV

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 were noted.

HOSPITAL NAME

Pacific Crest Mobile
Vet

Liver

REFERRING VET

Dr. D.
Kelley/Nooksack AH

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor 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. 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. Slight hyperechoic lipogranulomas noted. Minor gallbladder polyps noted, not pathological, a grouping of which measured 1.0 cm.

INVOICE

13440

DATE

1/14/22

Gastrointestinal



PATIENT

Lucy Neckel

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

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 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.

BREED

Chih X

SEX

Spayed Female

- Gallbladder polyps, not pathological
- Age-related renal changes with right kidney pyelectasia
- Age-related pancreatic changes

AGE

8 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of visceral disease to be responsible for the clinical signs. Urinalysis warranted, if not already performed. Referred back pain may be playing a role in this patient. The gallbladder presentation is a coalescence of polyps and unlikely to be neoplastic.

WEIGHT

4.75 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Becky Callihan,
DVM/PCMV

HOSPITAL NAME

Pacific Crest Mobile
Vet

REFERRING VET

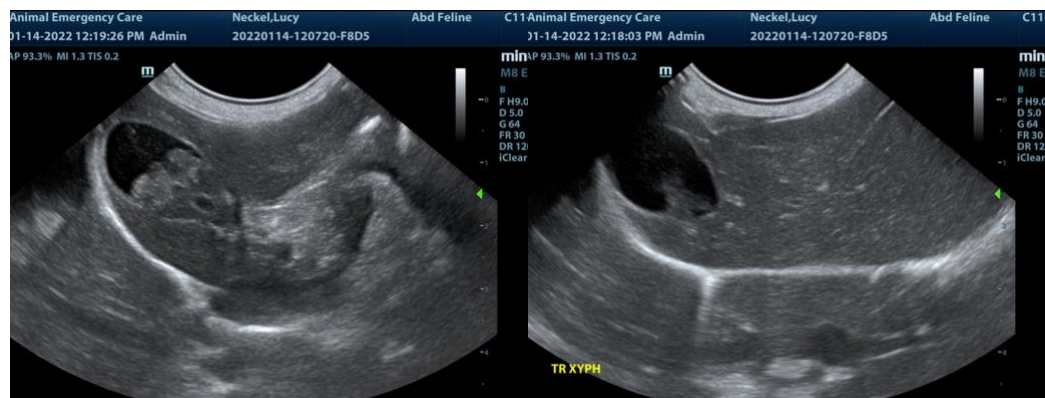
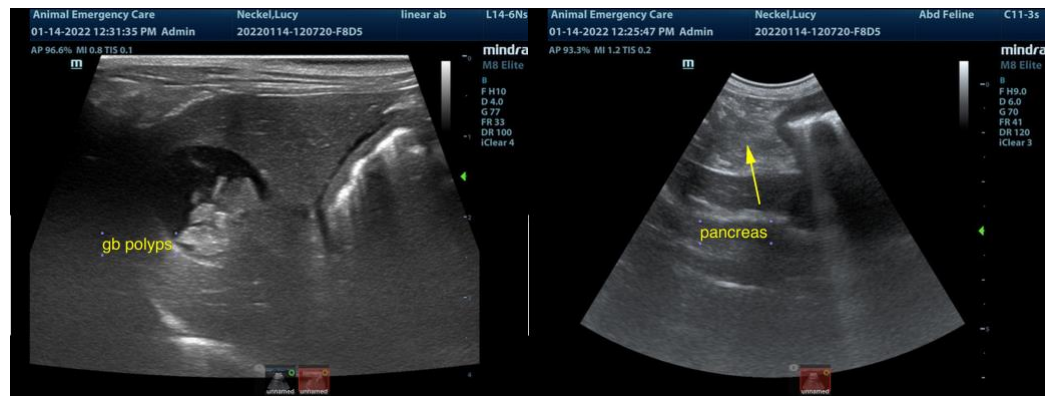
Dr. D.
Kelley/Nooksack AH

INVOICE

13440

DATE

1/14/22





PATIENT

Lucy Neckel

SPECIES

Canine

BREED

Chih X

SEX

Spayed Female

AGE

8 Years

WEIGHT

4.75 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Becky Callihan,
DVM/PCMV

HOSPITAL NAME

Pacific Crest Mobile
Vet

REFERRING VET

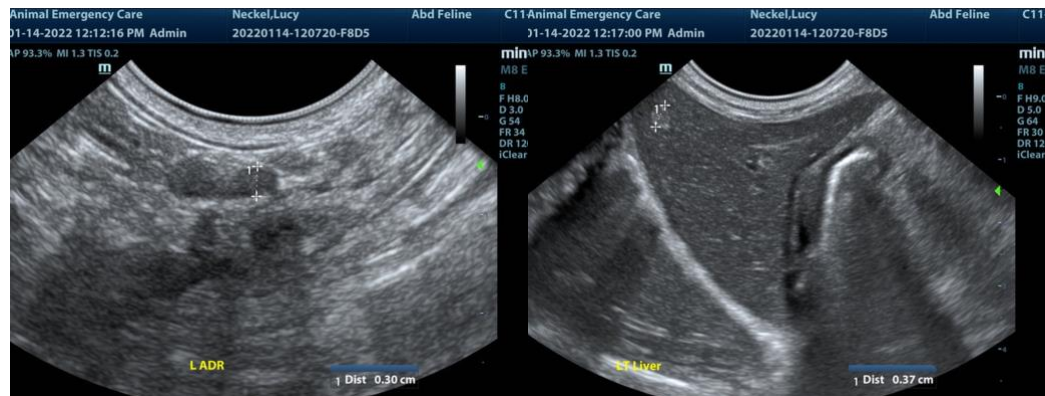
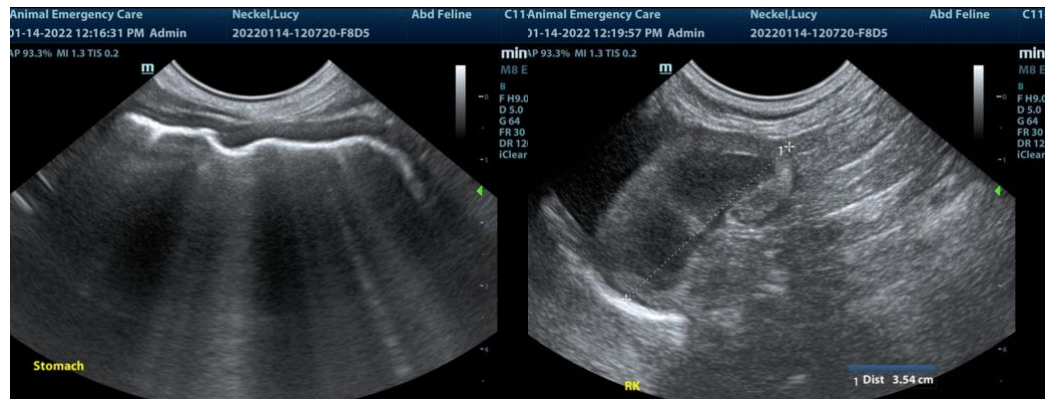
Dr. D.
Kelley/Nooksack AH

INVOICE

13440

DATE

1/14/22



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.

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