



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Nico Kelly

SPECIES
Canine

Intermittent inappetence. Used to vomit overnight/am but started giving bedtime snack and this has helped. Tried tmt with omeprazole x 14d/fortiflora due to hx of chronic intermittent pancreatitis but still has a poor appetite. Normal stools Has lost 0.4kg since Nov Is on RC low fat diet only due to chronic pancreatitis

Abnormal PE/Chem/CBC/UA Results: CBC-nsf Chem- ALT 184 (was 136 in Aug), AlkP 282 (Was 221 in Aug), remainder of chem incl GGT and Tbili normal

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED
Cavalier
Urinary System

SEX
Male

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.

AGE
12 years

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. Slight cortical remodeling and mineralization noted. Microcystic changes also noted. Left kidney appears to be more progressed than the right. Both kidneys measured 4.0 cm.

WEIGHT
7.6 lbs

Adrenal Glands

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

The **left adrenal gland** was 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 0.60 cm.

IMAGING PERFORMED BY

Dr. Biederbeck

The **right adrenal gland** was slightly swollen, upper limits of normal, measuring at 0.80 cm.

Spleen

HOSPITAL NAME

Lomsnes VH

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.

REFERRING VET

Dr. Biederbeck

Liver

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. Coalescing gallbladder sludge noted, not pathological.

INVOICE

37445

Gastrointestinal

DATE

5/5/22

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

SPECIES

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Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxyphoid palpation reveals pain response. No overt masses were noted.

BREED

Cavalier

ULTRASONOGRAPHIC FINDINGS

SEX

Male

- Moderate degenerative renal disease, approximately 60% compromised
- Pancreatic remodeling, possible low-grade inflammation
- Benign hepatopathy

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 years

Subxyphoid palpation is recommended to assess for pain or discomfort associated with the pancreas. Renal values should be monitored carefully in this patient. Geriatric diet warranted. Assessment for any evidence of UTI or inflammatory sediment and blood pressure measurements indicated. The cause of inappetence is unclear in this patient, possibly owing to pancreatitis. However, other causes such as orthopedic pain, CNS disease and thoracic disease should all be considered. The abdomen appears fairly stable.

WEIGHT

7.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Biederbeck

HOSPITAL NAME

Lomsnes VH

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SPECIES

Canine

BREED

Cavalier

SEX

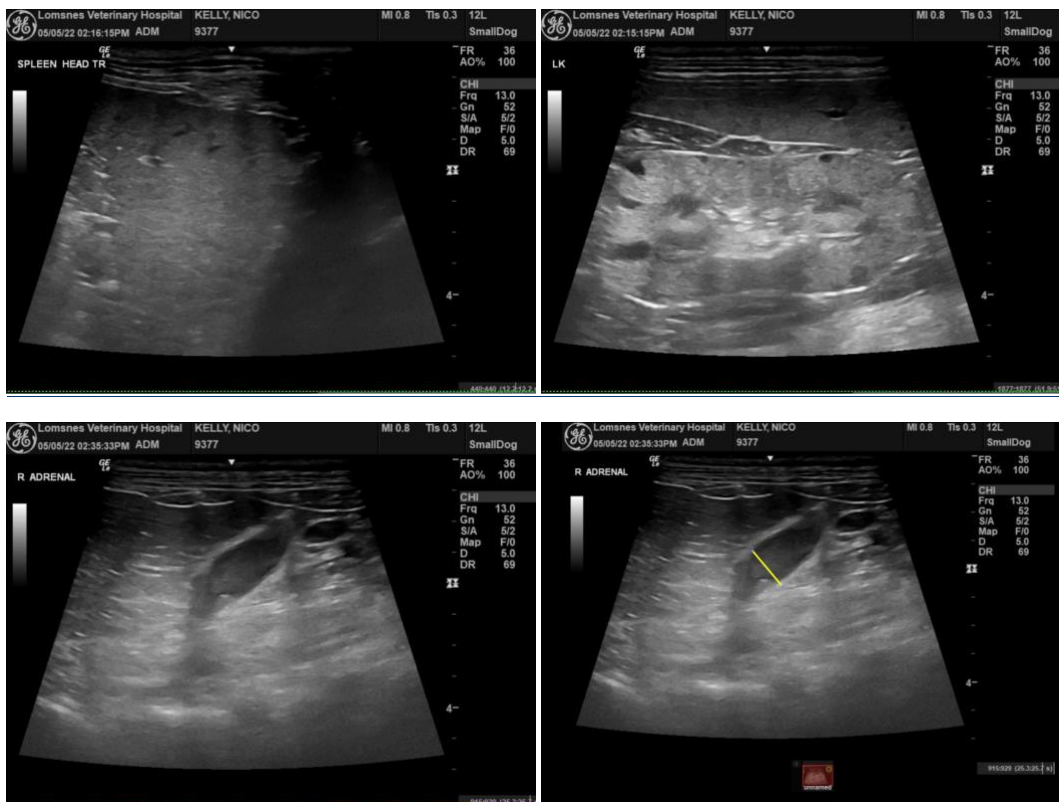
Male

AGE

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WEIGHT

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DATE

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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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