



PATIENT PRESENTING CLINICAL SIGNS

Lizzy Koch
History: O thinks it is pain, Pt has been vomiting, started at night. O thinks she vomited night time gabapentin, food was not digested, night before she peed, very very yellow, and vomited and had some diarrhea all in the house. Shaking. Hasn't gotten into trash. O states she might have eaten Christmas cacti flower but O doubts it. Hasn't touched her dry food. O gave her a little cottage cheese last night but Pt was hesitant which is abnormal. No table scraps. Gets to lick plate every now and then but rarely
SPECIES
Canine
BREED
Papillion
Abnormal PE/Chem/CBC/UA Results: CpL: Abnormal ALP: >993 ALT: to high to read Cholesterol: >450 GGT: 200 Potassium: 3.7 Glucose: 126 WBC: 22.8 Gran: Current Medications Gabapentin, tramadol PRN - used to do Pepcid but stopped Radiographic Findings dilated, gas filled stomach, no obstructive pattern noted, formed feces and gas in large intestine. Spondylosis of multiple vertebrae.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX Urinary System

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 was noted. Ureteral papillae were normal.

AGE

14 years

WEIGHT

7.4 lbs

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The kidneys presented polycystic cortical changes. This is likely secondary to a degenerative process. The left kidney measured 4.15 cm.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Jenna Walsh, CVT

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 1.07 x 0.46 cm at the cranial pole and 0.44 cm at the caudal pole. The right adrenal gland measured 0.5 cm.

HOSPITAL NAME

West Salem AC

Spleen

REFERRING VET

Dr. Bruton

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.

DATE

12/16/21

Invoice
94668



PATIENT *Liver*

Lizzy Koch The **liver** was structurally unremarkable with slight coarse architecture. This is most consistent with non-specific acute on chronic inflammatory hepatopathy. Portal vein to vena cava ratio is 1:1. The gallbladder and common bile duct are normal.

SPECIES

Canine *Gastrointestinal*

BREED

Papillion 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.

SEX

Spayed Female *Pancreas*

AGE

14 years 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.

WEIGHT

7.4 lbs Acute on chronic inflammatory hepatopathy, non-specific. No evidence of neoplasia.

INTERPRETED BY

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IMAGING PERFORMED BY

Jenna Walsh, CVT

ULTRASONOGRAPHIC FINDINGS

Moderate, degenerative renal changes with cortical cysts.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of neoplasia or shunting. Leptospirosis titers are warranted. Assessment for toxin exposure is indicated. IV fluid support, GI protectants and full urinalysis work-up is warranted along with Ampicillin and Metronidazole combination is recommended as well for liver support. Long term viability of the kidneys is a concern. FNA of the liver is warranted if ALT values do not normalize upon medical management.

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PATIENT

Lizzy Koch

SPECIES

Canine

BREED

Papillion

SEX

Spayed Female

AGE

14 years

WEIGHT

7.4 lbs

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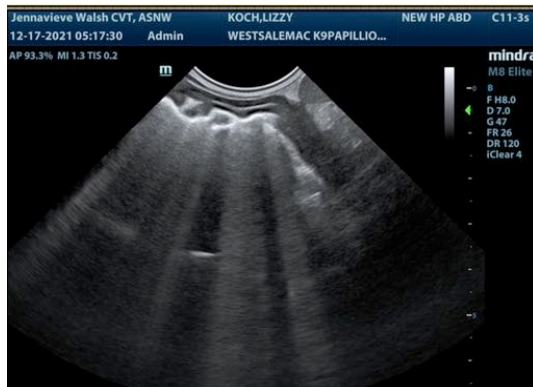
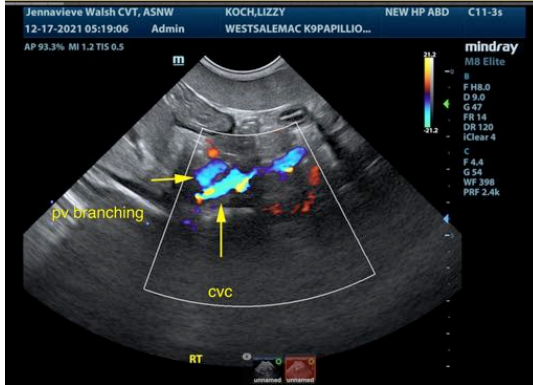
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PATIENT

Lizzy Koch

SPECIES

Canine

BREED

Papillion

SEX

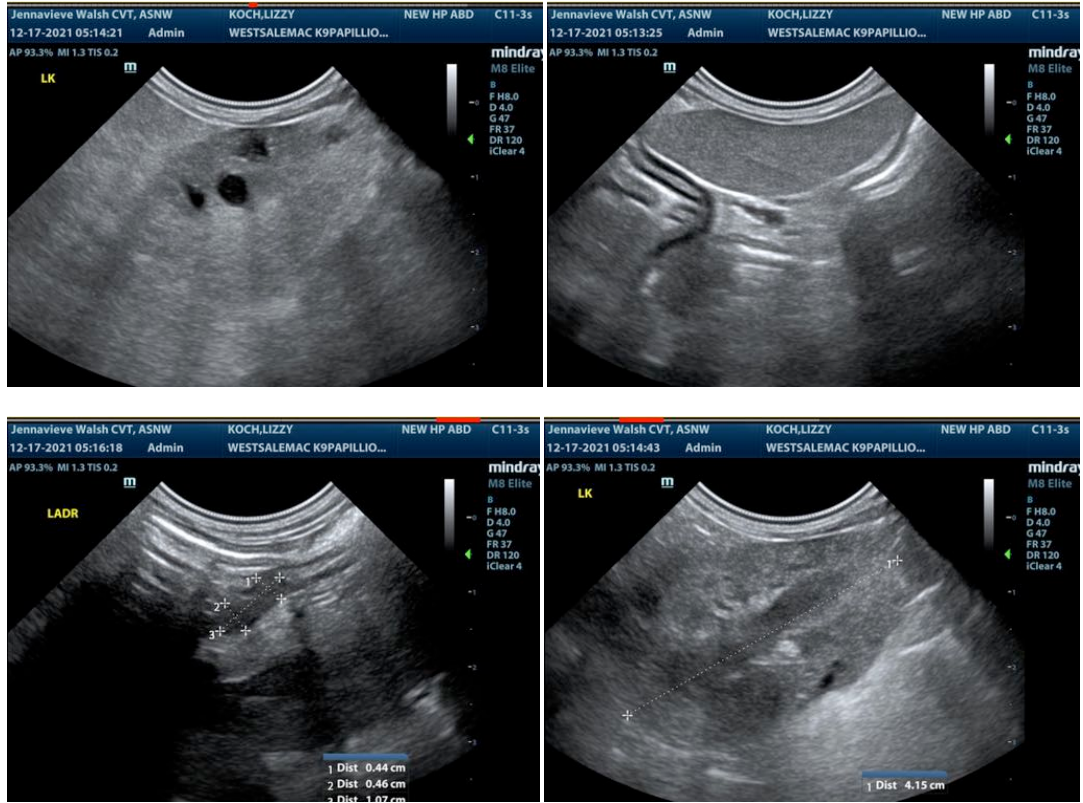
Spayed Female

AGE

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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.

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