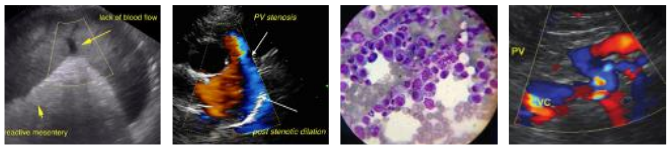
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Emma Okerson

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Spayed Female

AGE

11 Years

WEIGHT

30 Lbs.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Prescott

HOSPITAL NAME

Rondout Valley VA

REFERRING VET

Prescott

INVOICE

12827

DATE

12/3/21

PRESENTING CLINICAL SIGNS

History: Recent ALT elevation and decrease of appetite. P was on Rimadyl which we have stopped and LE normalized but appetite has not returned to normal. Recent hx of CCL tear R hind. No v/d. Just anorexia/hyporexia which is very abnormal for p.

Abnormal PE/Chem/CBC/UA Results:

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. Iliac trifurcation was unremarkable.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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. Hyperechoic medullary rim sign was noted in both kidneys, idiopathic. The left kidney measured 3.33 cm. The right kidney measured 5.29 cm. Blood flow to the kidneys appeared to be adequate on power doppler assessment.

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 right adrenal gland measured 1.37 cm x 0.34 cm at the cranial pole and 0.4 cm at the caudal pole. The left adrenal gland measured 1.16 cm x 0.45 cm at the caudal pole and 0.38 cm at the cranial pole.

Spleen

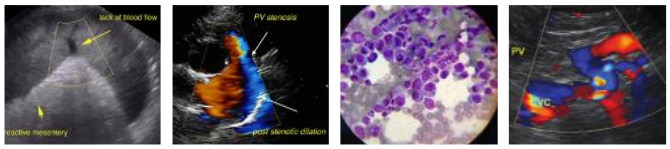
The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** presented heterogenous parenchyma with increased portal markings and coarse architecture. Slight undulating capsular contour was noted. Occasional hypoechoic non-disrupted nodular changes were noted in the liver. The **gallbladder** was overdistended with polypoid changes and largely immobile bile, consistent with emerging mucocele. No active inflammatory pattern noted.

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



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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

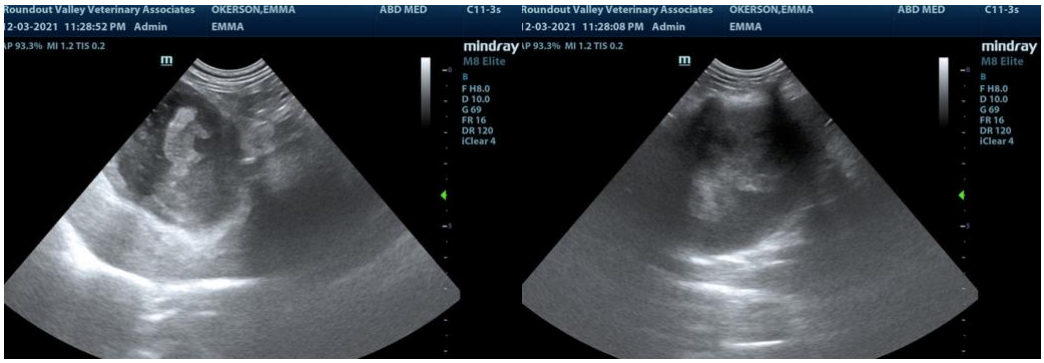
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

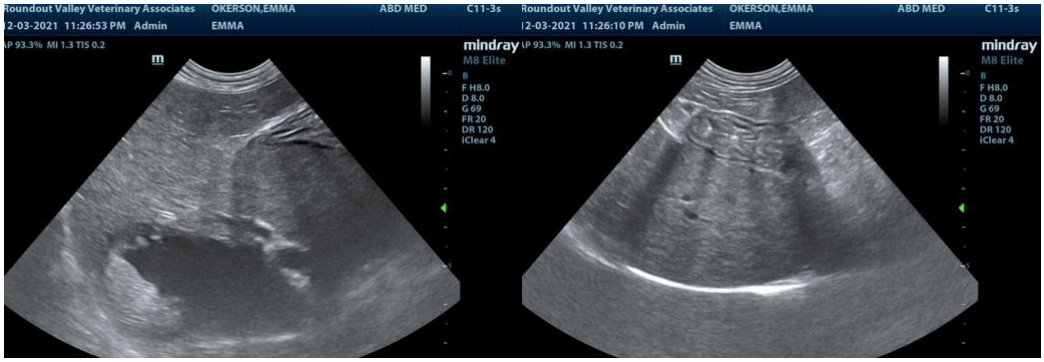
ULTRASONOGRAPHIC FINDINGS

- Subjectively benign hepatopathy with chronic inflammatory component and emerging mucocele
- Age-related renal changes with idiopathic hyperechoic medullary rim sign in both kidneys

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Gallbladder motility study would be ideal. Ursodiol trial over the next 6-8 weeks recommended. FNA of the liver could be considered for further investigation of inflammatory cell type. Leptospirosis titers warranted. A clinical trial of enrofloxacin/metronidazole over a 10-day period also indicated. Recheck sonogram of the gallbladder in approximately 6 weeks if the patient is stable. No evidence of suspicion of neoplasia.





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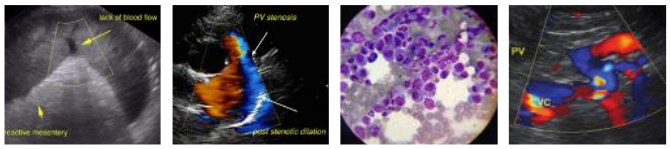

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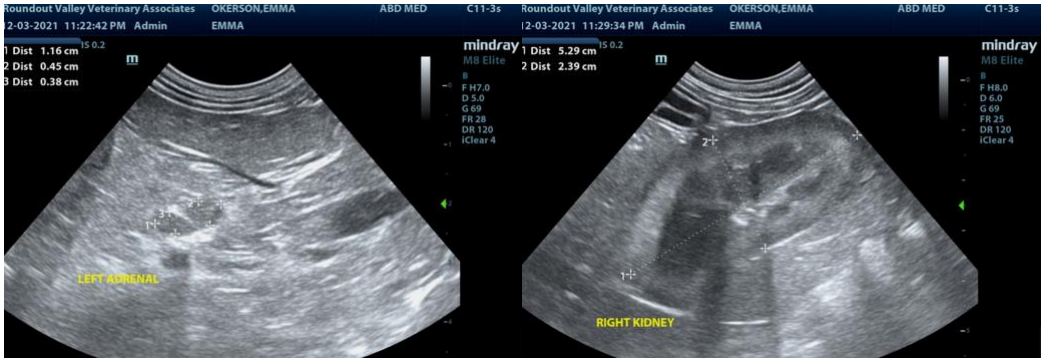

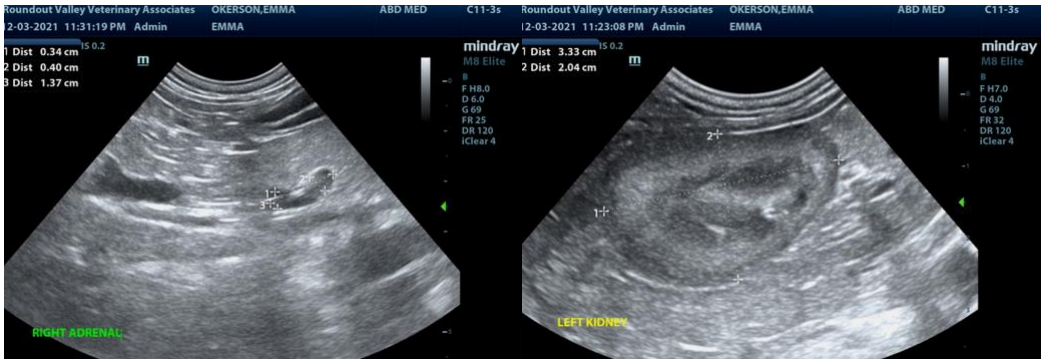

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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