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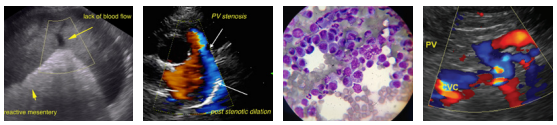

ANIMAL SOUNDS NW
MOBILE VETERINARY ULTRASOUND
IMAGING PERFORMED BY
AnimalSoundsNW.com 541-357-9423

PATIENT
Charlie Heaston

SPECIES
Canine

BREED
Poodle X

SEX
Neutered Male

AGE
9 Years

WEIGHT
20.8 Pounds

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Sara Hansen

HOSPITAL NAME
Reid Vet Hospital

REFERRING VET
Dr. Jaclyn Reid

INVOICE
36091

DATE
3/10/22

PRESENTING CLINICAL SIGNS

PE unremarkable, hx of seasonal atopic dermatitis and elevated liver enzymes on routine bloodwork checks - presented for routine dental cleaning, procedure postponed until further workup Abnormal PE/Chem/CBC/UA Results: - p pre-operative in-house lab work prior to Stage 1/4 dental showed significant abnormalities 3/3/22 (no t.bili on in-house) Hyperproteinemia 8.8 (hyperalbuminemia 5.6, n:2-3.9), elv ALT 187 and ALP 1251 (previously elv 9/2021, 57 and 766) - p has been off of Apoquel rx and resumed CADI inj. for itch with hopes of improved liver enz. but values have worsened and the level of hyperalbuminemia is a concern going forward

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 3.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.13 cm. The right kidney measured 4.13 cm.

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 1.61 cm x 1.08 cm at the cranial pole and 0.63 cm at the caudal pole. The left adrenal gland measured 1.81 cm x 0.65 cm at the caudal pole and 0.67 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 slight increased portal markings. Uniform, minor swelling. The gallbladder and common bile duct were unremarkable. No evidence of significant disease.

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.

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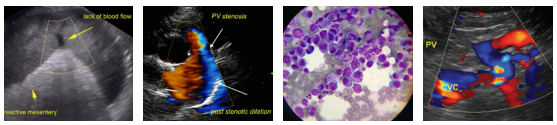

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Pancreas

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.

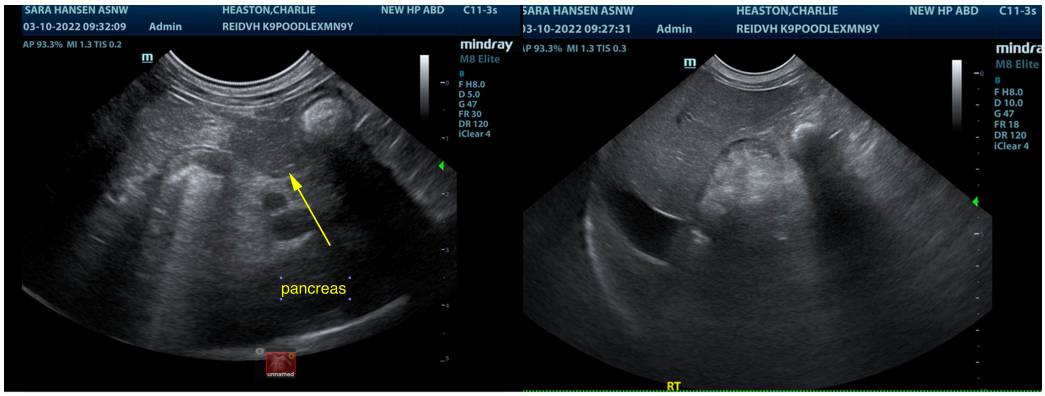
ULTRASONOGRAPHIC FINDINGS

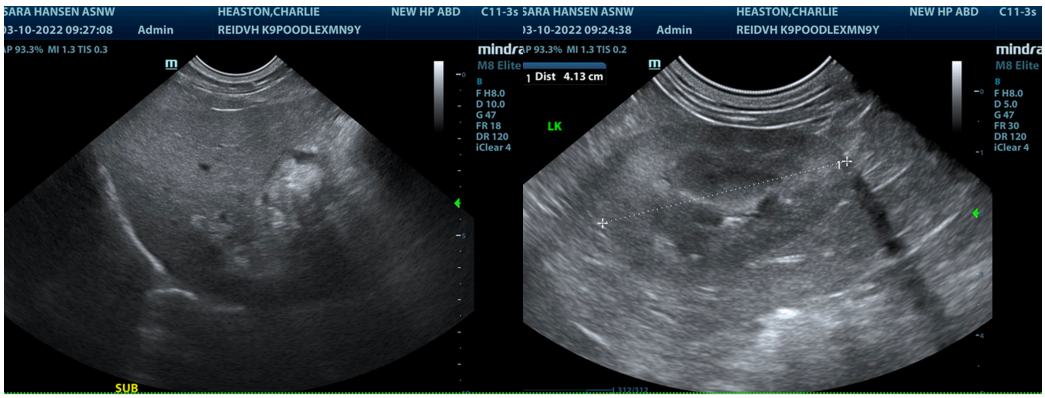
- Non-specific inflammatory hepatopathy

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Subxiphoid palpation is recommended to assess for pain or discomfort associated with the pancreas. History of pancreatitis likely in this patient. FNA of the liver could be considered for further definition.

***Mild hepatomegaly on radiographs.*





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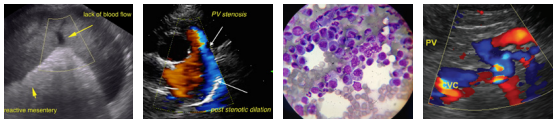

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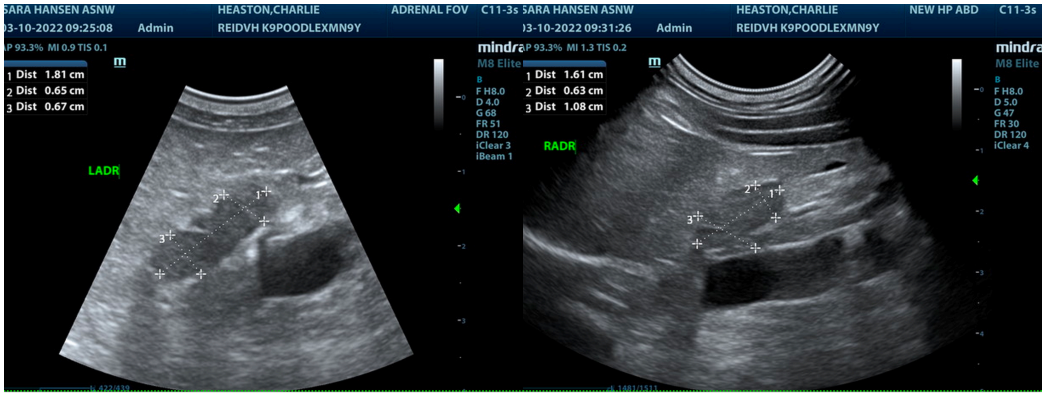

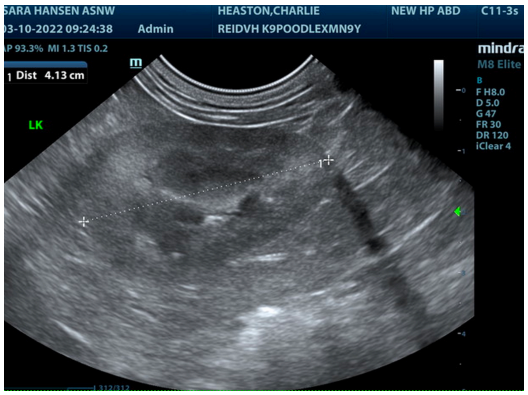

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

info@SonoPath.com