

**DATE**

12/21/21

PRESENTING CLINICAL SIGNS

History: P presented 12/18/21 for vaccines but was found to have lost ~5 lbs since last visit in June. On physical exam, mucous membranes were pale. Ran bloodwork - P has a moderate non-regenerative anemia, thrombocytopenia.

PATIENT

Flex Mason

Lab Results: CBC: HCT 22.9% without reticulocytosis, Mild-moderate lymphopenia, Moderate thrombocytopenia. Chem: ALKP moderately elevated (1131), otherwise WNL. 4Dx: all negative. Radiographs: Some abdominal free fluid appreciated on fast scan as well as questionable hyperechoic structure cranial abdomen.

SPECIES

Canine

Date of Previous IntraPet Ultrasound: No previous IntraPet scans.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

BREED

Miniature Schnauzer

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 was noted. Ureteral papillae were normal.

SEX

Neutered male

The residual prostate was uniform and measured 1.35 cm.

AGE

7/19/08

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mild mineralization was noted. The largest calculus measured 0.47 cm. The left kidney measured 5.78 cm. The right kidney measured 5.22 cm.

WEIGHT

19 lbs

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**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 left adrenal gland measured 2.31 x 0.64 cm at the caudal pole and 0.5 cm at the cranial pole. The right adrenal gland measured 1.54 x 0.6 cm at the caudal pole and 0.54 cm at the cranial pole.

IMAGING PERFORMED BY

Rachel Brillhart RDMS

Spleen

The **spleen** revealed multiple expansive, undifferentiated masses that measured up to 10.0 cm of the coalesced group.

HOSPITAL NAME

Churchville VC

Liver

The **liver** revealed heterogenous parenchymal changes with increased portal markings. Macronodular changes were noted throughout the liver. Hepatic masses were noted. One at the caudate process was noted and measured 5.0 cm. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

REFERRING VET

Dr. Kauffman

INVOICE

94808

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.

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 subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected. The right pancreatic limb measured 1.79 cm.

ULTRASONOGRAPHIC FINDINGS

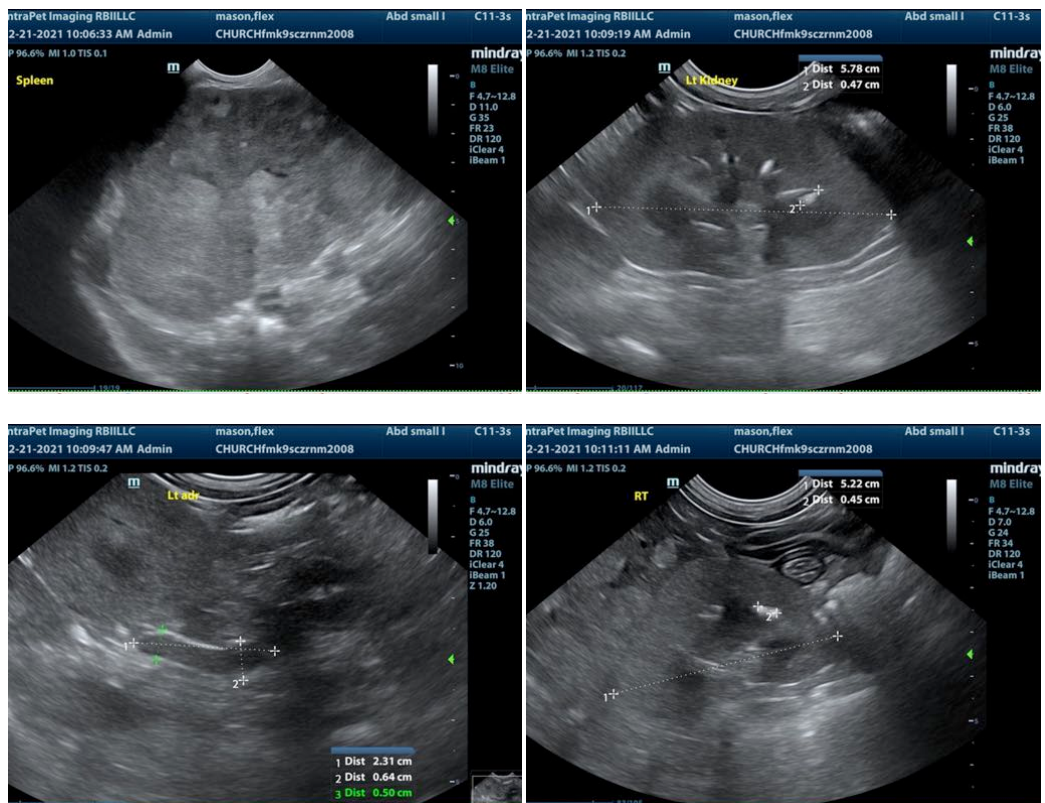
Parenchymal splenic masses with nodular hepatic changes and hepatic masses.

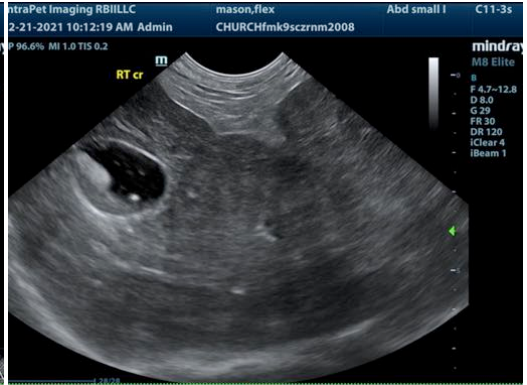
Renal calculi.

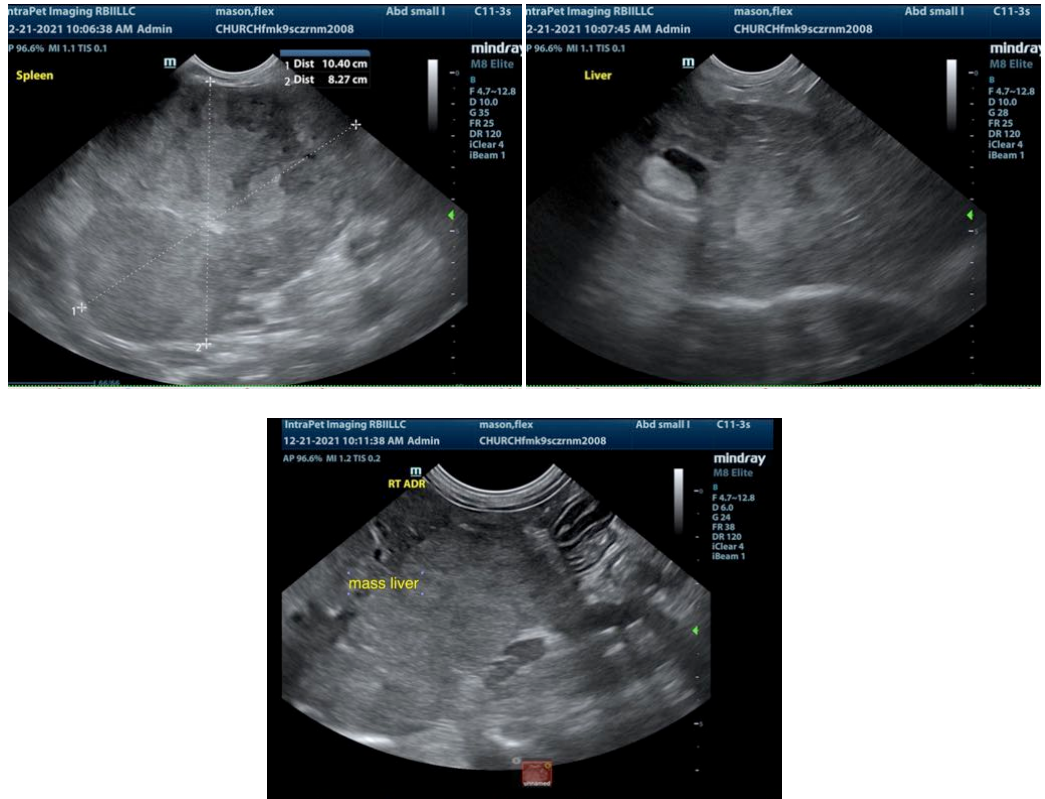
Otherwise, geriatric abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a strong potential for metastatic disease. Screening FNA of the spleen and liver is recommended to assess if the pathology is chemo responsive. Chest radiographs are recommended.







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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