

**DATE**

6/30/22

PRESENTING CLINICAL SIGNS

Recent weight loss of 4 lbs, less energetic, mild to moderately elevated liver enzymes.

Current Medications: None listed.

Lab Results: See attached.

PATIENT

Date of Previous IntraPet Ultrasound: No previous.

Bear Cate

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System****BREED**

Poodle

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 **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. The right kidney measured 5.25 cm. The left kidney measured 6.63 cm with hyperechoic nodule in the cranial pole of the right kidney measured 0.69 x 0.66 cm.

AGE

2/18/11

WEIGHT

60 lbs

Adrenal Glands

Both **adrenal glands** are at the upper limits of normal. The right adrenal gland measured 2.9 x 0.71 cm at the caudal and 1.1 cm at the caudal pole. The left adrenal gland measured 2.23 x 0.86 cm at the caudal pole and 0.8 cm at the cranial pole.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**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 was noted.

HOSPITAL NAMEBayside Animal
Medical Center**Liver****REFERRING VET**

Dr. Buchanan

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Hypoechoic to isoechoic expansive nodules were noted in the caudal aspect of the left medial liver and measured 2.18 cm and 1.45 cm. This is consistent with hyperplasia and a potential for emerging neoplasia. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

INVOICE

31382

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

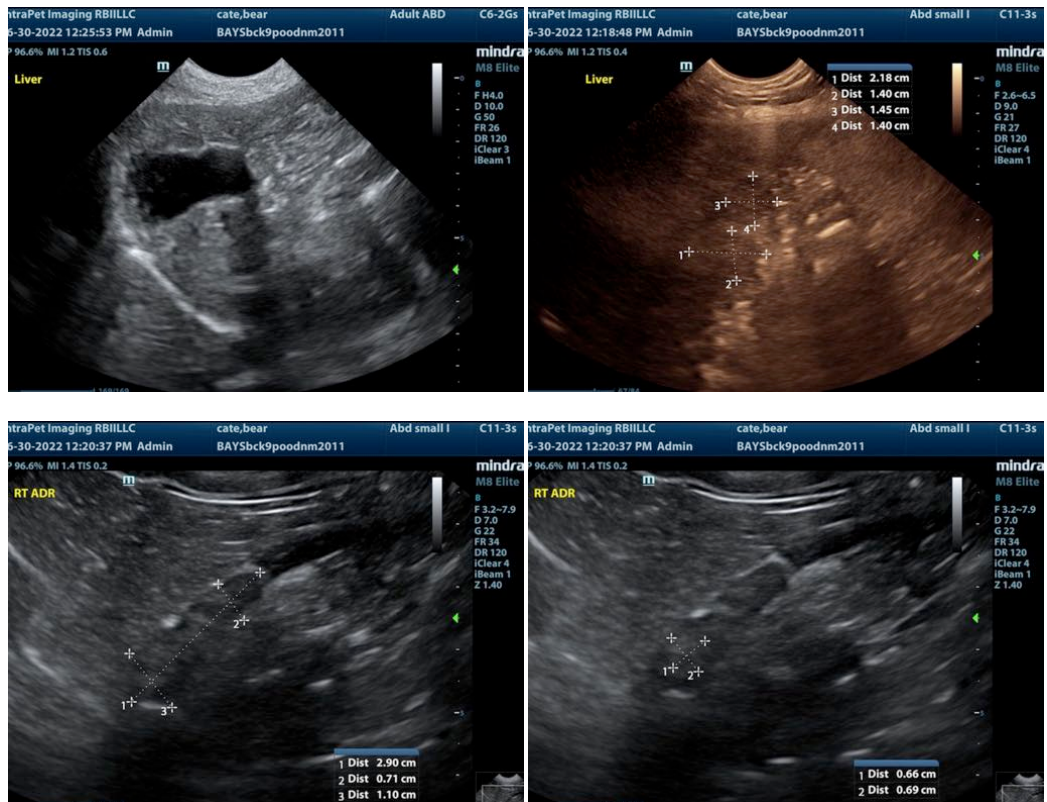
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

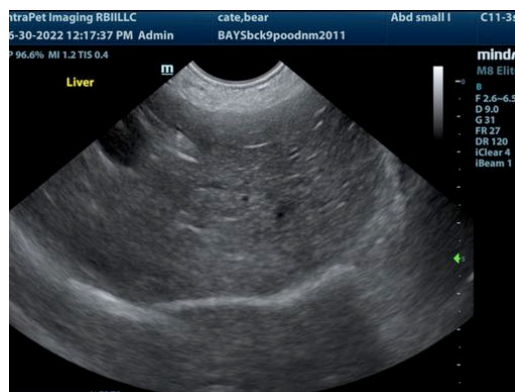
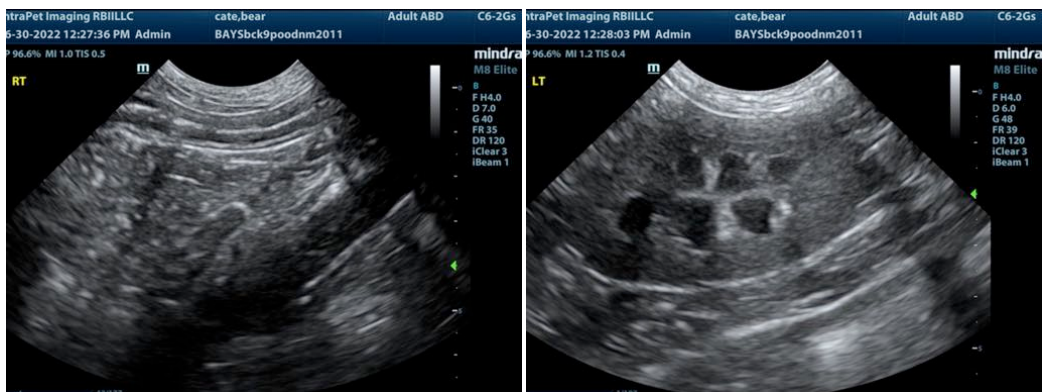
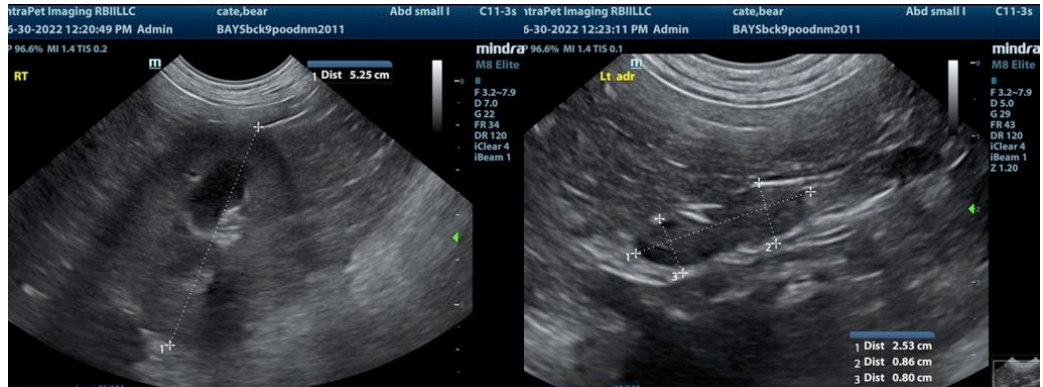
ULTRASONOGRAPHIC FINDINGS

Geriatric abdomen with undefined hepatic nodular changes. Hyperplasia is likely, emerging round cell neoplasia or other neoplasia is possible.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver is indicated. Bile acid profile would be justified in this patient. If the urine specific gravity is less than 1.020 then work-up for Cushing's/PDH is indicated.





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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