



**PATIENT**

Bert Cowham

**SPECIES**

Canine

**BREED**

Beagle

**SEX**

Neutered Male

**AGE**

12 Years 9 Months

**WEIGHT**

33 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Abadia

**HOSPITAL NAME**

Surfside PH

**REFERRING VET**

Americo Abadia

**INVOICE**

17494

**DATE**

9/30/22

**PRESENTING CLINICAL SIGNS**

History: Pet has a history of oral malignant melanoma resected from pet's lower lip twice. So far it's been a year and no recurrence. Pet has been getting slower the past few months with some softer stools and at one point was drinking more water but that now has gone back to normal.

Abnormal PE/Chem/CBC/UA Results: July 2022 had superchem, CBC, T4- completely normal. U/A showed isosthenuria and no other abnormalities at the time. Radiographs performed on Sept 2022 show normal chest films, abdomen showed a mild irregular spleen, mildly bumpy on tail. Otherwise wnl. 23 Sept 2022- fecal negative and giardia negative. Pet developed diarrhea and got him started on propectalin and metronidazole.

**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 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. The right kidney measured 5.7 cm. The left kidney was subnormal in size, measuring 3.52 cm. Slight pyelectasia was noted.

**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 1.91 cm x 0.49 cm at the cranial pole and 0.48 cm at the caudal pole. The right adrenal gland was slightly irregular and visualized obliquely, measuring 0.6 cm.

**Spleen**

A slight hypoechoic nodule was noted in the cranial pole of the **spleen**, measuring 4.0 mm without capsular expansion. This is likely benign and likely unrelated to the patient history; however it should be monitored.

**Liver**

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. Vascular tracts were of normal volume and no evidence of congestion was noted. 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. Gallbladder sand accumulation was noted-not overtly pathological.



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**Gastrointestinal**

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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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**Pancreas**

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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.

**SEX**

Neutered Male

- Geriatric abdomen with moderate degenerative renal changes and pyelectasia
- Subtle splenic nodule, likely benign, however, should be monitored
- Gallbladder sand accumulation

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No obvious evidence of metastatic disease. Full urinary work up warranted, if not already performed.

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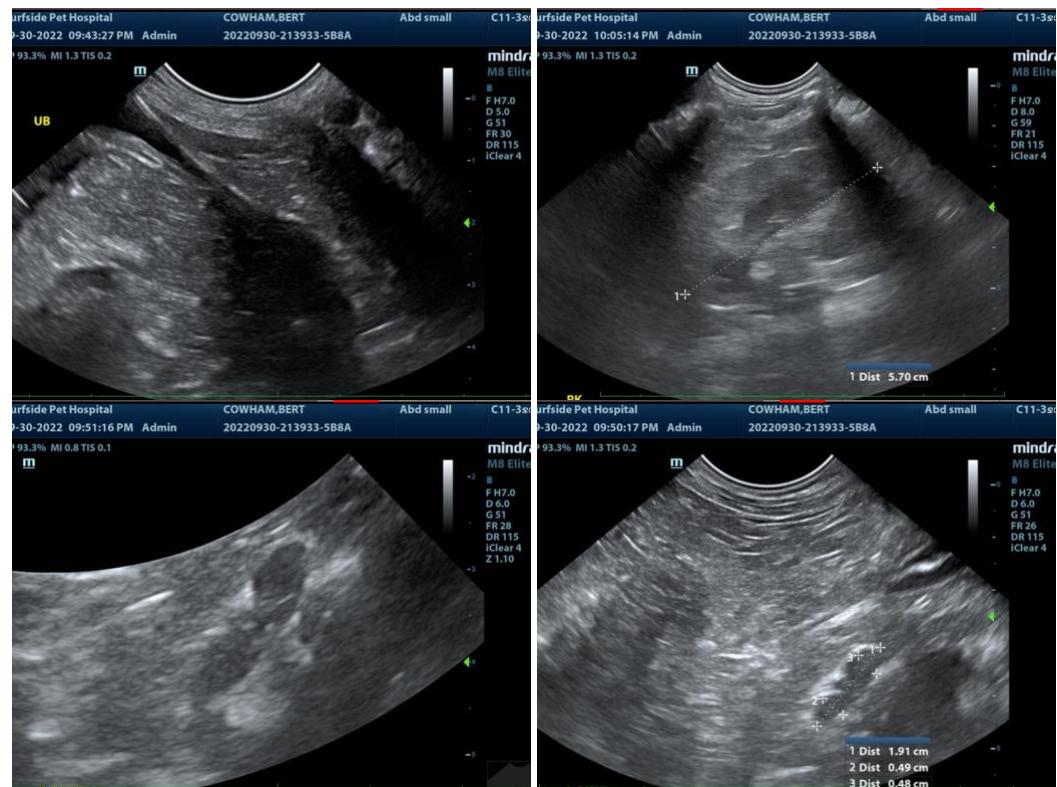
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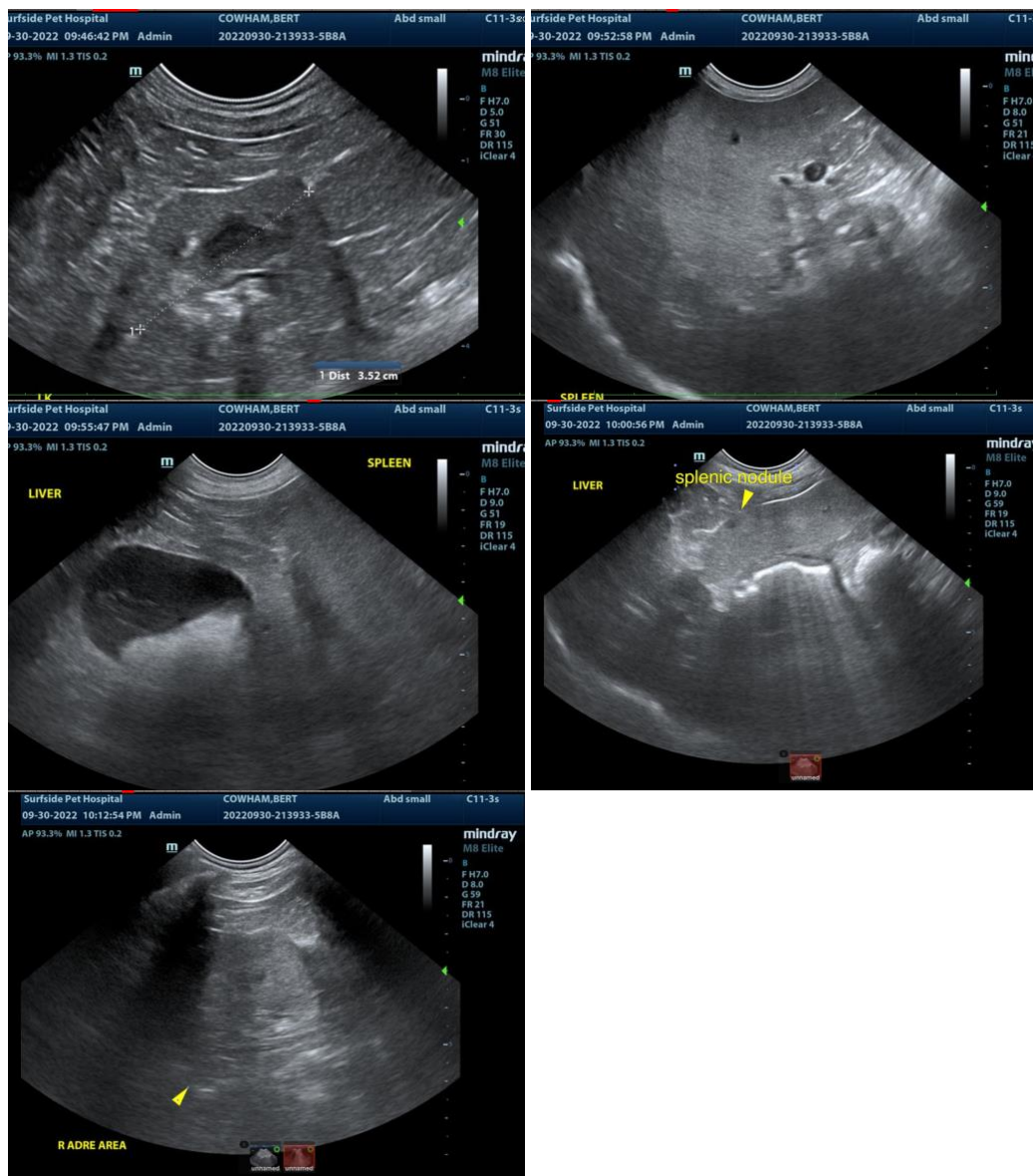
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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