



PATIENT PRESENTING CLINICAL SIGNS

Penny Kirk

Patient presented on 7/20/23 for pre-anesthetic radiographs and bloodwork prior to surgical removal of SQ masses (lipomas vs. mammary masses in abdominal/inguinal area). Abnormalities noted in abdomen on radiographs. Penny is overall doing well at home. Normal E/D. No C/S/V/D. Did have cervical IVDD flare-up 6/12/23 and was on Prednisolone, Gabapentin, and Methocarbamol (finished all medications at time of BW and rads on 7/20/23), full recovery. Current on HWP, Interceptor. Negative 4DX 3/28/23.

SPECIES

Canine

BREED

Beagle

SEX

Spayed Female

AGE

8 Years 11 Months

Abnormal PE/Chem/CBC/UA Results: Grade I-II/VI heart murmur, PMI left, systolic. Normal rhythm. Several SQ masses consistent with lipomas on trunk and limbs. CBC & CHEM17 (7/20/23)- All values WNL Rads (7/20/23)- THX- VHS 10.51 L and 10.65 R. Cardiac silhouette appears appropriate in size/shape. No obvious pulmonary nodules/masses noted. No obvious perihilar edema noted. ABD- Irregular caudal liver margin noted on left lateral views- possible mass vs. positioning vs. other. Round, soft tissue opacity in area of pylorus- r/o normal appearance of pylorus vs. mass vs. summation vs. other. Overall good abdominal detail. Spleen appears wnl. Kidneys appear symmetrical. No obvious uroliths noted. Normal appearing stool and gas noted within colon.

WEIGHT

37.2

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Slight apical polypoid changes noted in the **urinary bladder**, otherwise unremarkable. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

INTERPRETED BY

Eric Lindquist, DMV

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. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.1 cm. The right kidney measured 6.3 cm with slight pyelectasia.

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Stevens

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 0.68 cm at the caudal pole and 0.40 cm at the cranial pole. The right adrenal gland measured 0.92 cm at the cranial pole and 0.68 cm at the caudal pole.

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Spleen

The **spleen** was folded upon itself caudally and 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.

INVOICE

44420

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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 and biliary tracts were of normal volume and no evidence of



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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.

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.

Free Abdomen

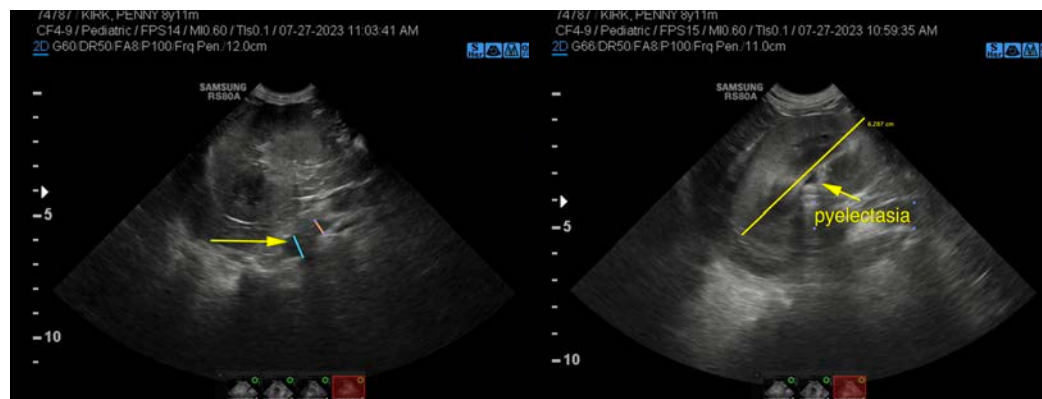
Large amount of abdominal fat noted in this patient.

ULTRASONOGRAPHIC FINDINGS

- Minor pyelectasia of the right kidney
- Slight apical polypoid changes in the urinary bladder
- Benign hepatopathy
- Folded spleen
- Large amount of abdominal fat

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assessment for any evidence of pyelonephritis warranted, yet this may be age related or scarring change and not necessarily related to UTI.





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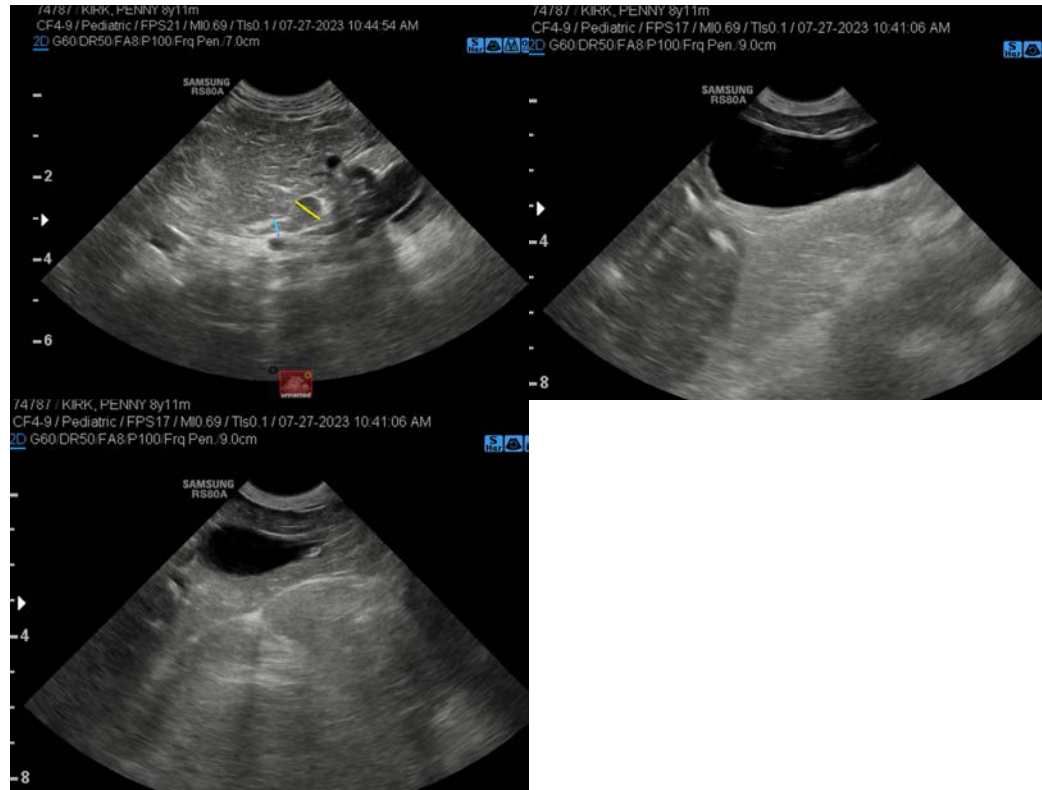
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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