



PATIENT PRESENTING CLINICAL SIGNS

Kissy Amisano History: History high grade MCT, removed 6/8/22. Screening AUS. BW- elevated liver values. Radiographs: hepatomegaly. ALP 167

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED Spaniel
 The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX FS
 Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present.

AGE 12yr
 The left kidney measured 5.3 cm in length. The right kidney measured 5.3 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT 25lb
 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole and 0.51 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.54 cm width at the caudal pole and 0.45 cm width at the cranial pole.

INTERPRETED BY Spleen

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)
 The spleen exhibited normal size and contour with mild parenchyma heterogeneity. No masses or nodules noted. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

IMAGING PERFORMED BY Liver

Pamela Harrigan, RDMS
 The liver was subjectively mildly to moderately enlarged with normal contour. The liver exhibited normal parenchyma echogenicity overall with moderate coarse echotexture. Intermittent discrete isoechoic to hypoechoic intraparenchymal nodules were present, an example measuring 0.7 cm in diameter. No masses or tumors noted. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild nondependent nonorganized mildly hyperechoic debris. The cystic and common bile ducts were normal.

REFERRING VET Gastrointestinal

Dr. Syed
 The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

INVOICE 11161ag
 The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

DATE 07/24/2022
 Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas



PATIENT

Kissy Amisano

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. Consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

SPECIES

Canine

Free Abdomen

No omental masses, lymphadenopathy or effusion was present.

BREED

Spaniel

ULTRASONOGRAPHIC FINDINGS

- Vacuolar hepatopathy pattern
- Mild gallbladder debris-non mucocele
- Normal splenic size/contour with mild parenchyma heterogeneity
- Mild age related kidney changes

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely a geriatric abdomen without evidence of significant visceral pathology. The overall appearance of the liver although nonspecific is suggestive of low grade vacuolar hepatopathy given the ALP elevation.

AGE

12yr

A screening ultrasound guided hepatosplenic FNA assuming normal clotting status and using a 25g needle is warranted given the history of high grade MCT and primarily to ensure only benign changes are present. Sonographic monitoring of the abdominal cavity based on oncology recommendations would be a more conservative approach.

WEIGHT

25lb

Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

INTERPRETED BY

R. McKenzie Daniel, DVM,
 DABVP (Canine and Feline)

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Pine Banks Animal Hospital

REFERRING VET

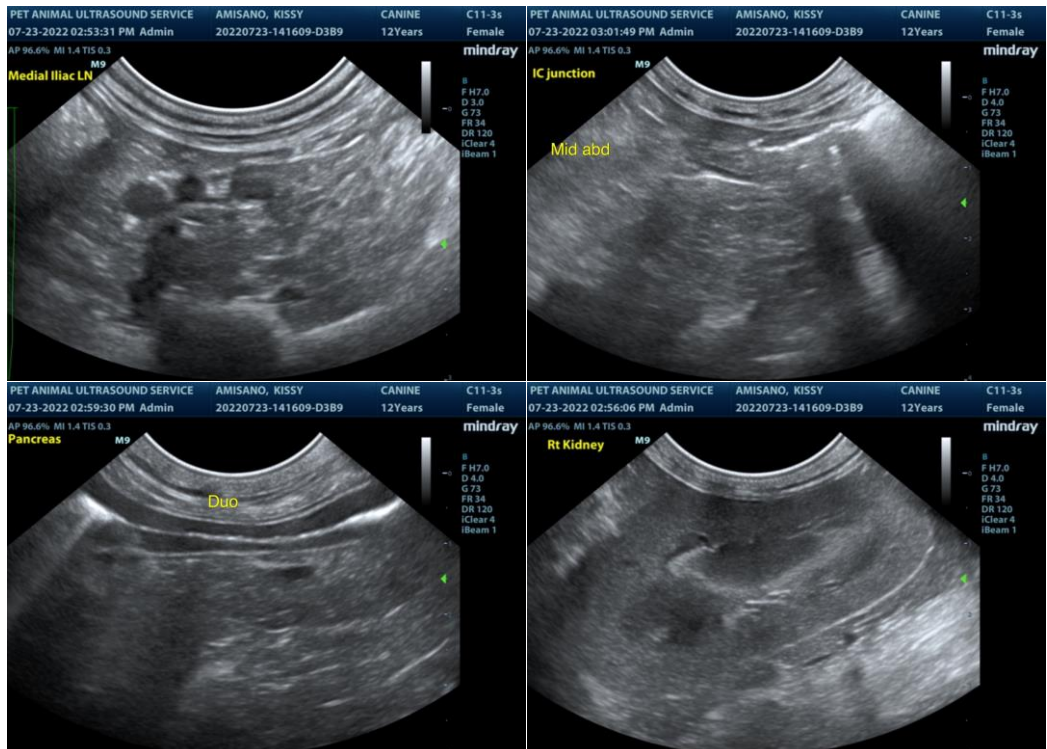
Dr. Syed

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DATE

07/24/2022





PATIENT

Kissy Amisano

SPECIES

Canine

BREED

Spaniel

SEX

FS

AGE

12yr

WEIGHT

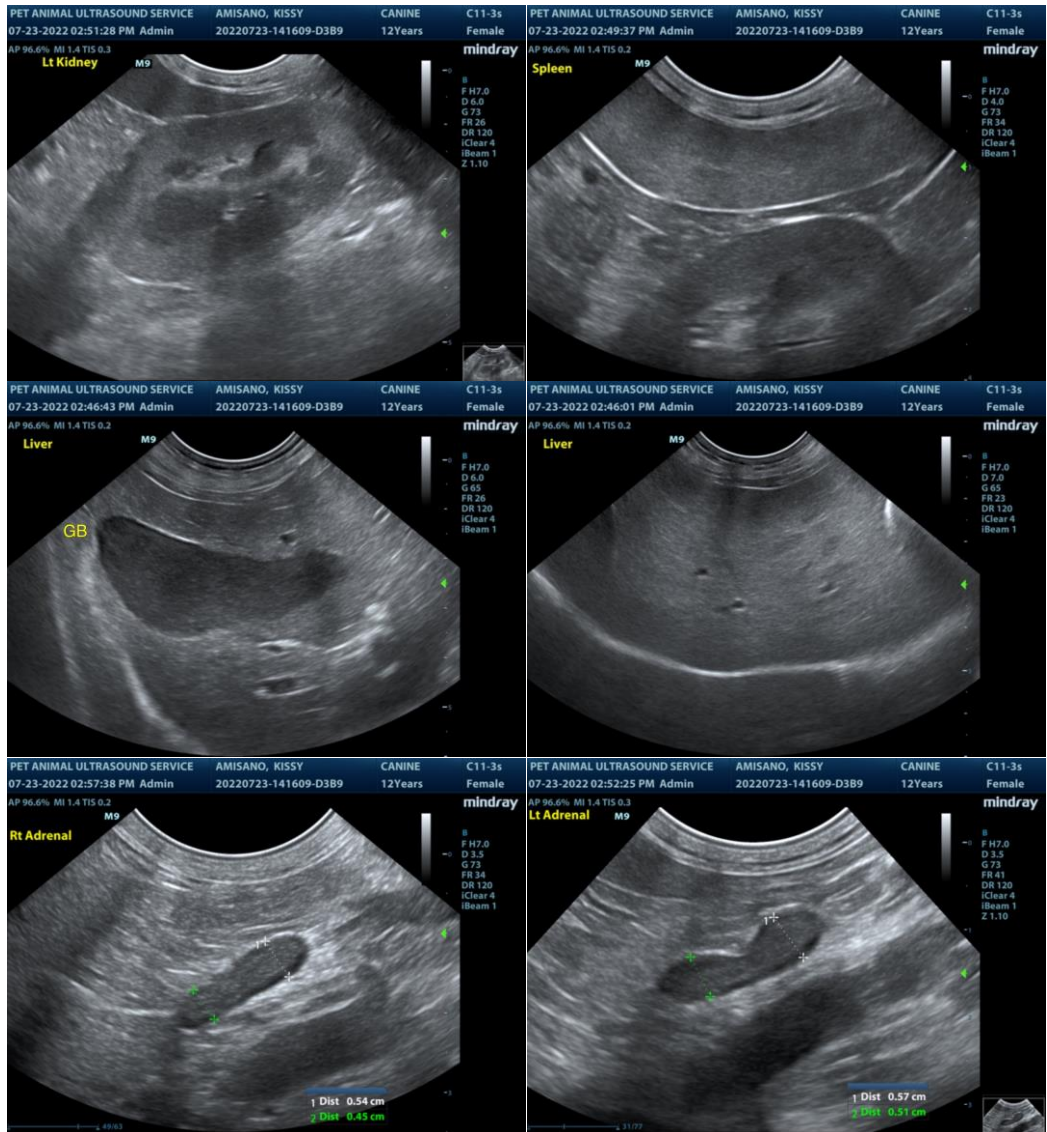
25lb

INTERPRETED BY

R. McKenzie Daniel, DVM,
 DABVP (Canine and Feline)

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
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