



PATIENT PRESENTING CLINICAL SIGNS

Manya McCarthy

Chemistry screen: Slight increased total protein and globulin. Slight increased cholesterol. Slight decreased potassium. CBC: Mild lymphopenia. No significant finding Total T4: Within normal limits Urinalysis: Increased pH likely causing false increase protein. Struvite crystals. A: Hyperproteinemia with hyperglobulinemia. Mild hypokalemia. Plan: Recommend abdominal ultrasound with bile acids test. Mammary mass= Met check- biopsy of mammary mass done same day as AUS- sedated for scan-

SPECIES

Feline

BREED

DLH

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Intact Female

Urinary System

The urinary bladder, trigone, and cystourethral junction 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 was noted.

AGE

15 years

The uterus exhibited mild prominent size including mildly prominent nonhomogeneous walls with potential for focal mural cysts. A mild amount of echogenic fluid was noted segmentally within the uterus. The uterus measured 1.0 cm width.

WEIGHT

6.8 lbs.

Normal size and margination were 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. The left kidney measured 3.6 cm in length. The right kidney measured 3.5 cm in length.

INTERPRETED BY

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

Adrenal Glands

No overt pathology was noted in the area of the left adrenal gland. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.46 cm width.

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

Spleen

The spleen exhibited borderline enlargement with mild asymmetrical to scalloped medial capsule contour and generalized mild splenic parenchyma heterogeneity. The spleen measured 0.93 cm width at the level of the hilus.

HOSPITAL NAME

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Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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. The cystic and common bile ducts were normal.

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PATIENT ***Gastrointestinal***

Manya McCarthy

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. The gastric body wall width measured 0.25 cm.

SPECIES

Feline

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. The jejunum wall width measured 0.23 cm.

BREED

DLH

Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

Intact Female

Pancreas

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

Free Abdomen

AGE

15 years

Intermittent, mildly prominent mesenteric, and medial iliac lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a medial Iliac lymph node measured 0.26 cm in diameter. The lymph nodes were not overtly consistent with inflammatory or neoplastic criteria. Small pockets of scant peritoneal free fluid were noted. No omental masses were noted.

WEIGHT

6.8 lbs.

ULTRASONOGRAPHIC FINDINGS

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

- Mild prominent uterine walls with mild subjective cellular luminal fluid - potential for mild endometrial hyperplasia, potential for emerging pyometra, mucometra, or similar cannot be excluded
- Bilateral chronic renal changes
- Heterogeneous pancreas - suspect age-related variant and considered incidental
- Intermittent subjectively benign / reactive mesenteric and medial iliac lymph nodes - not overtly consistent with inflammatory neoplastic or metastatic criteria
- Intermittent small pockets of scant peritoneal free fluid - nonspecific assuming normal albumin levels

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of intra-abdominal metastasis from the mammary mass was noted. The small pockets of scant peritoneal free fluid are of unclear clinical significance assuming normal albumin levels, yet not overtly consistent with inflammatory effusion and unlikely to be secondary to lymphatic obstruction, given intermittent minor mesenteric and medial iliac lymphadenopathy.

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No evidence of adrenal pathology as a cause of the mild hypokalemia. No overt anesthetic contraindications were evident based on the study, yet ovariohysterectomy is recommended if surgical options regarding the mammary mass are elected.



PATIENT

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SPECIES

Feline

BREED

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SEX

Intact Female

AGE

15 years

WEIGHT

6.8 lbs.

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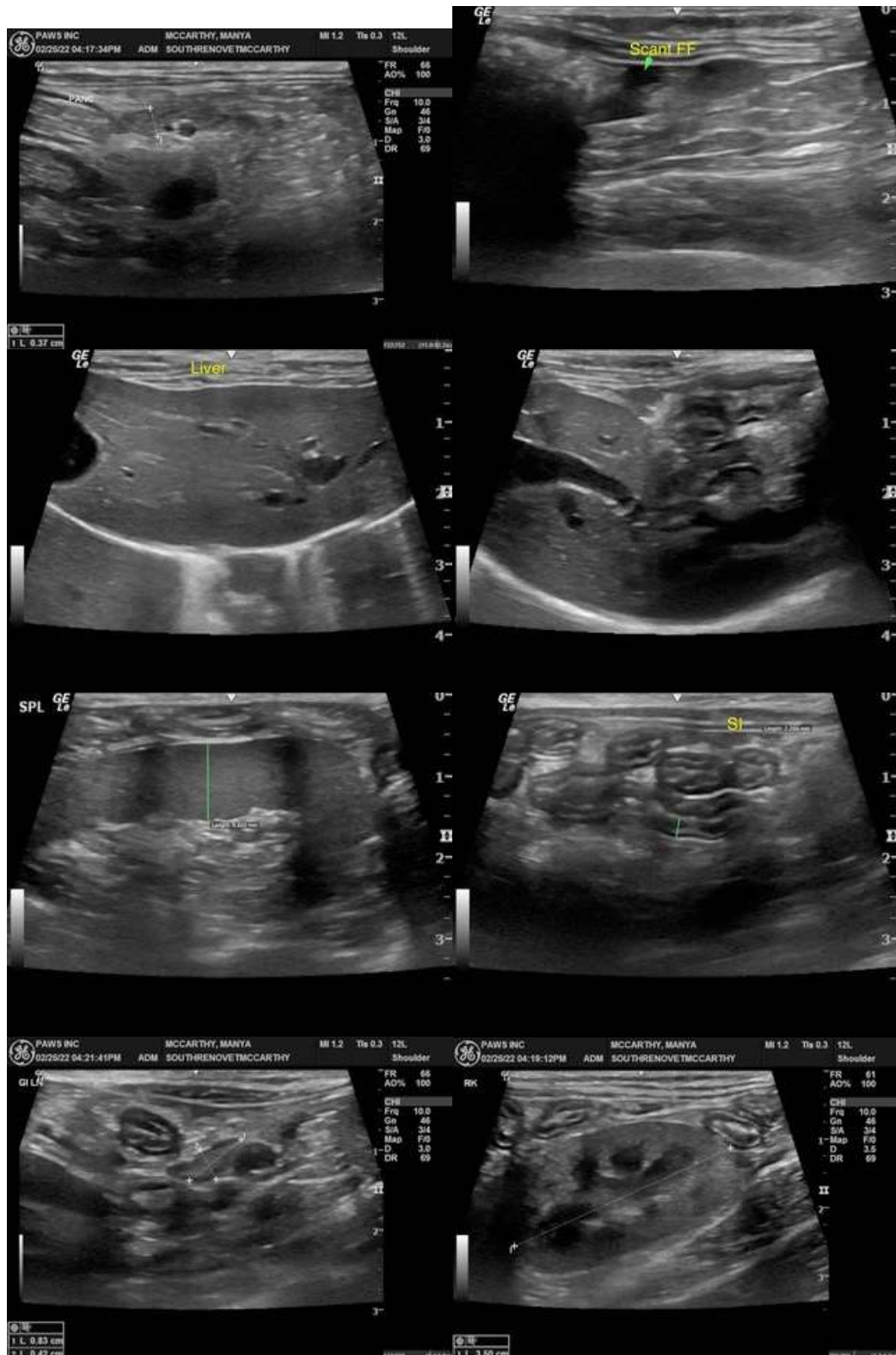
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PATIENT

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SPECIES

Feline

BREED

DLH

SEX

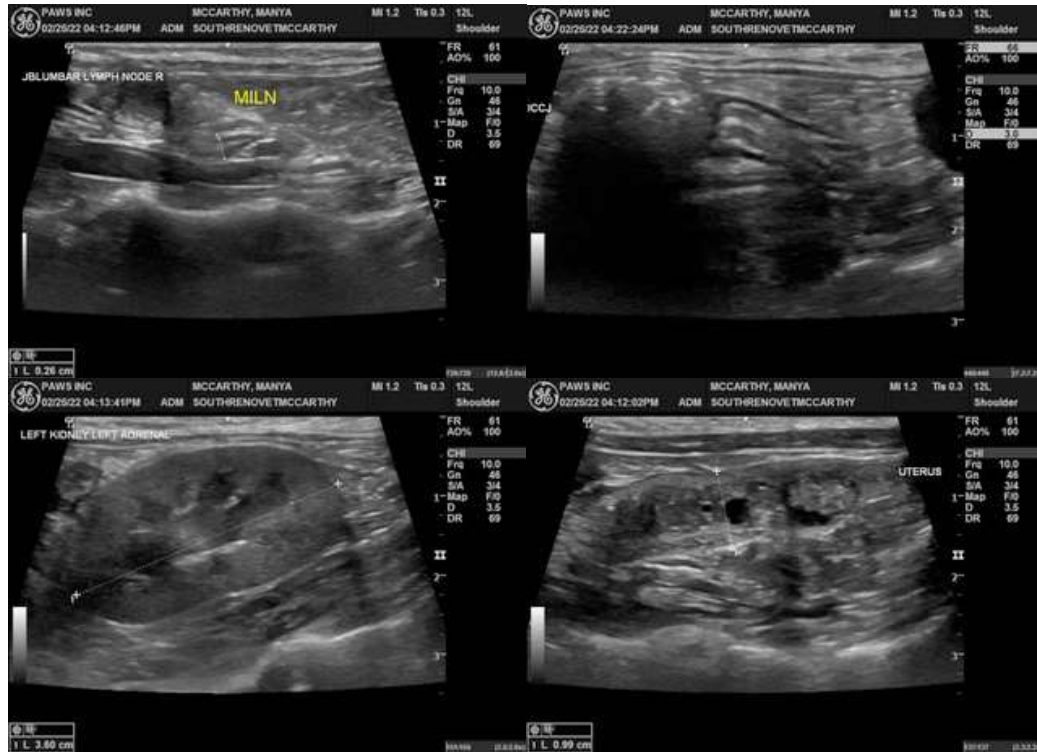
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AGE

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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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