

**PATIENT PRESENTING CLINICAL SIGNS**

Penny Hess Abyssinian, F, 4 years. Treated for pyometra 12/20. Litter of 3 kittens 3/20. Another litter 11/21. Suspected pregnancy 2 months ago. No kittens. Sent blood work separately. Xrays suspicious of pyometra

**SPECIES**

Feline

Abnormal PE/Chem/CBC/UA Results: BUN 49, Creatinine 2.7, Glucose 194, Globulin 6.2

**BREED**

Abyssinian

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 was noted.

**SEX**

Intact Female

The uterus exhibited a generalized prominent to thickened appearance with mild irregular to thickened walls. Several, to multiple circular hypoechoic to anechoic structures suspected to be within the uterine wall, were noted. A minor potential for small pockets of anechoic luminal fluid. No evidence of uterine neoplastic criteria. The uterus measured approximately 1.0 cm in width. The left and right ovaries exhibited bilateral cysts containing anechoic fluid. The left ovary measures 1.2 cm. The right ovary measures 1.3 cm.

**AGE**

4y

**WEIGHT**

8lbs

The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

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

Normal size and margination were present in the kidneys. A normal 1:3 cortex/medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation or pyelectasia. The left kidney measured 4.0 cm in length. The right kidney measured 3.7 cm in length.

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques,  
LVT

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.34 cm. No overt pathology area of the right adrenal gland.

**HOSPITAL NAME**

Sierra Animal Wellness  
Center

**Spleen**

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**REFERRING VET**

Dr. Peggy Roberts

**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.

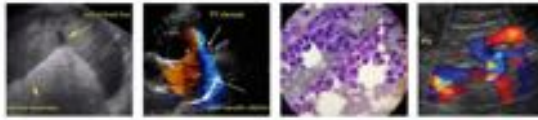
**INVOICE**

10170

**DATE**

4/5/2023

**Gastrointestinal**



**PATIENT**

Penny Hess

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.

**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.

**BREED**

Abyssinian

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

***Pancreas***

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

**SEX**

Intact Female

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

4y

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

**WEIGHT**

8lbs

- Mild to generalized thickened uterus with suspect small mural cysts-consistent with probable cystic endometrial hyperplasia.
- Bilateral cystic ovaries
- Sonographically unremarkable kidneys

**INTERPRETED BY**

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DVM, DABVP (Canine  
and Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of viable pregnancy. Minor potential for emerging to low-grade pyometra, hydrometra, or mucometra are possible yet considered less likely with the overall presentation of the uterus suggestive of endometrial hyperplasia. Full urinary workup including urinalysis, if not done, screening C/S and baseline UPC level, if evidence of proteinuria is recommended, given the azotemia. Continued monitoring for clinical signs consistent with pyometra or similar is advised. Ideally, if the patient is not intended for breeding purposes ovariohysterectomy should be strongly considered. Consultation with a reproductive specialist would be a more conservative approach.

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LVT

**HOSPITAL NAME**

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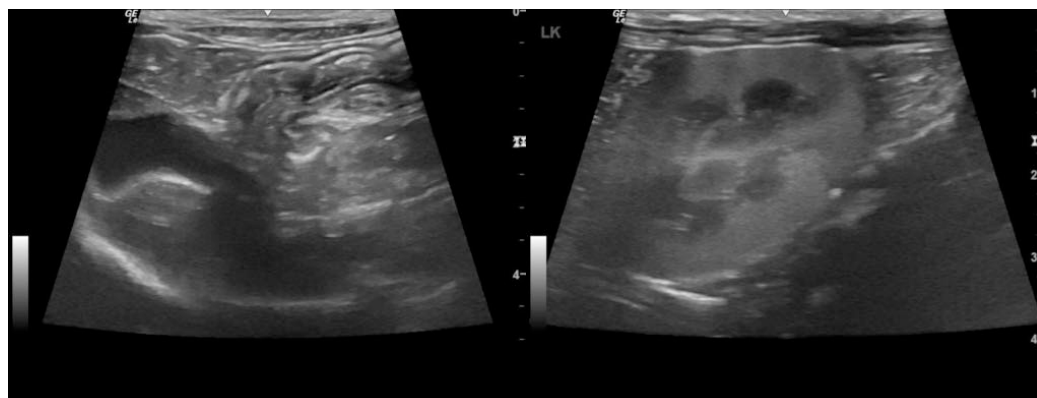
Dr. Peggy Roberts

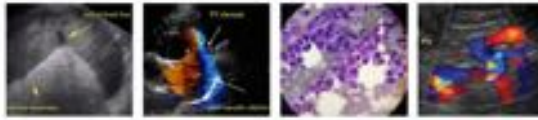
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**PATIENT**

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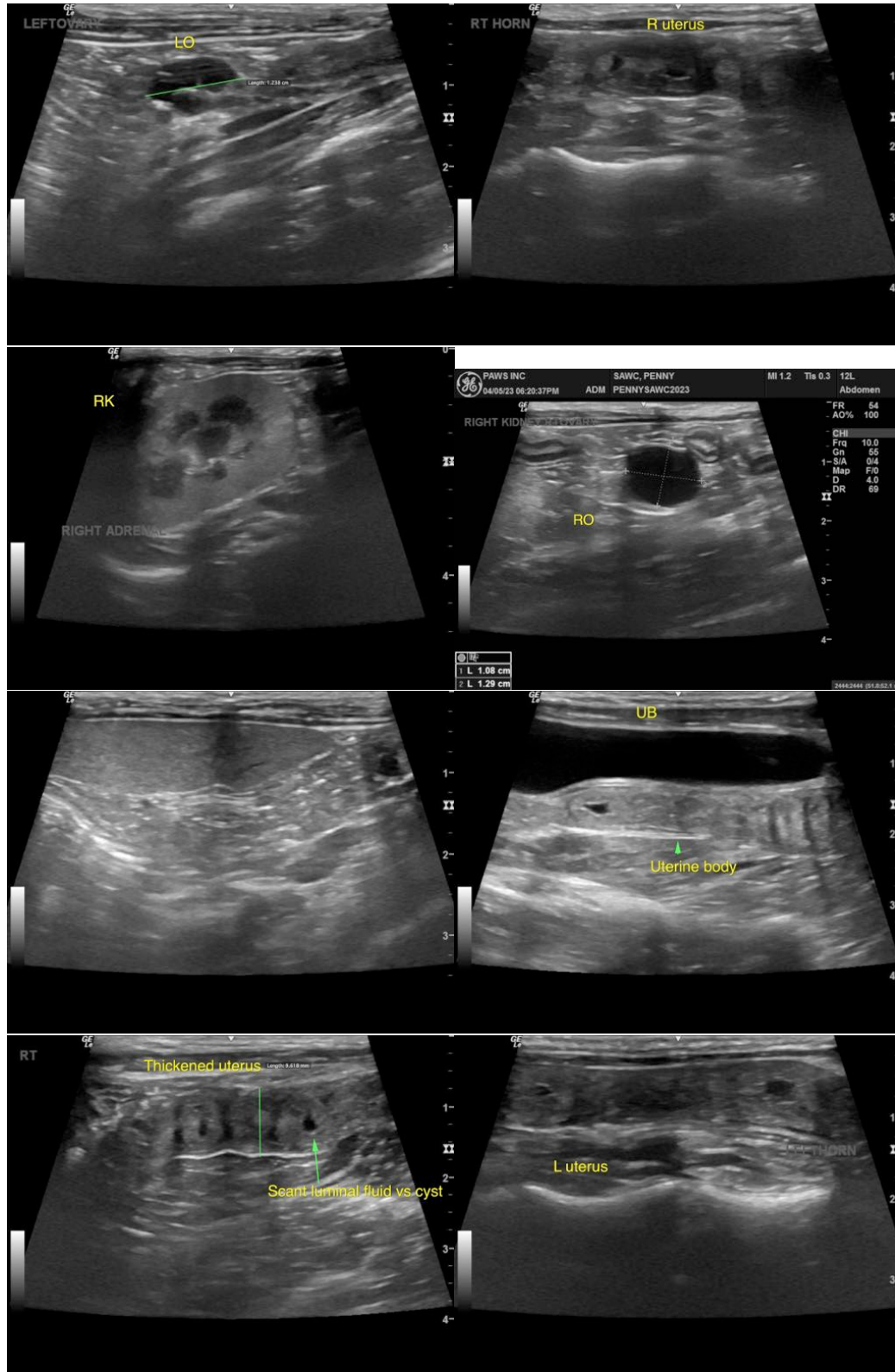
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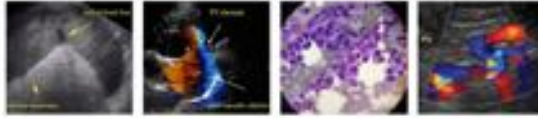
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**PATIENT**

Penny Hess

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.

**SPECIES**

Feline

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.

**BREED**

Abyssinian

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
[info@SonoPath.com](mailto:info@SonoPath.com)

**SEX**

Intact Female

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**WEIGHT**

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