



**PATIENT PRESENTING CLINICAL SIGNS**

Lily Conley  
**SPECIES**  
 Canine  
 History: Patient presented for 'hard lump' on abdomen - Per owner, umbilical hernia has been their P's entire life but 4 days ago it became hard. Umbilical hernia present @ umbilicus, hard/firm non-reducible about 2 cm in size. Patient was in heat about 30 days and was bred as well. Having blood-tinged discharge now.  
 Abnormal PE/Chem/CBC/UA Results: Vaginal cytology showed RBC's and bacteria, consistent with proestrus?

**BREED LIMITED ULTRASONOGRAPHIC EXAMINATION**

Shih Tzu  
**Urinary System**

**SEX**

Intact Female  
 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 were noted.

**AGE**

2 Years  
 The visualized uterus was overtly normal yet mildly prominent in size. No evidence of luminal fluid accumulation or evidence of viable fetuses. The uterine body measured approximately 1.1 cm width.  
 Both the left and right ovaries were overtly normal in size and contour with subtle non-homogeneous parenchyma exhibiting focal cyst-like structures indicative of follicles or possible minor ovarian cyst. Both the left and right ovary measure 1.5 cm in diameter.

**WEIGHT**

14.4 Lbs  
 An umbilical hernia was confirmed in the area of the ventral abdomen and umbilicus with a body wall stoma, measuring approximately 0.8 cm in diameter. The umbilical hernia contained mild non-uniformly echogenic mesenteric fat without evidence of entrapped intestine. The amount of fat within the hernia measured approximately 3.0 cm in diameter. No evidence of peritoneal effusion or evidence of effusion within the umbilical hernia.

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)  
 The visible small intestine and colon were sonographically unremarkable.

**ULTRASONOGRAPHIC FINDINGS**

- Umbilical hernia containing subjective mild inflamed mesenteric fat- possible panniculitis, no evidence of entrapped intestine
- Overtly normal uterus- no signs of viable pregnancy at this time
- Overtly normal bilateral ovaries with suspect follicles versus minor ovarian cysts

**HOSPITAL NAME**

Rivers Edge PMC

**REFERRING VET**

Dr. Cora Holloman

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Surgical exploration with resection of abnormal omentum and correction of umbilical hernia may be considered. Continued monitoring of vaginal cytology is recommended. Recheck sonogram could be considered post 25-days since breeding date for further assessment of potential pregnancy.

**INVOICE**

12561

**DATE**

11/15/21



**PATIENT**

Lily Conley

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Intact Female

**AGE**

2 Years

**WEIGHT**

14.4 Lbs

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amanda Crook - SDEP  
Certified Clinical  
Sonographer

**HOSPITAL NAME**

Rivers Edge PMC

**REFERRING VET**

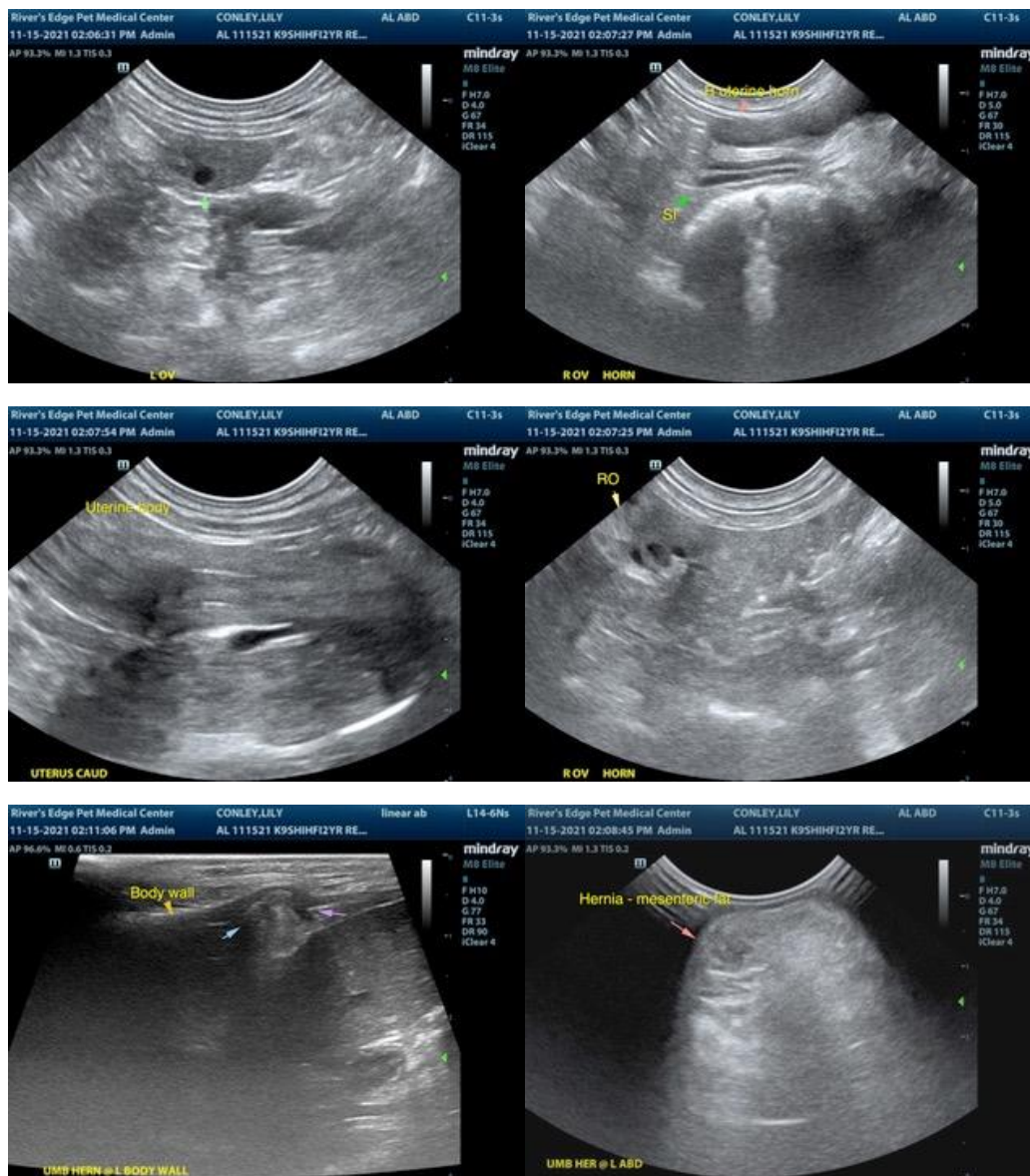
Dr. Cora Holloman

**INVOICE**

12561

**DATE**

11/15/21



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)**  
info@SonoPath.com