



**PATIENT**

Calico Riozzi

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

FI

**AGE**

1yr

**WEIGHT**

21lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

The Venturing Vet

**REFERRING VET**

Dr. Herzog

**INVOICE**

12374ag

**DATE**

12/05/2022

**PRESENTING CLINICAL SIGNS**

Patient is 39 days pregnant and presents today for a viability check of fetuses due to hemorrhagic and green discharge from vulva. Current meds: history of URI; was on Clavamox and Azithromycin, currently on Probiotic and Folic acid.

Abnormal PE/Chem/CBC/UA Results: Vaginal cytology revealed no indication of significant bacteria.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

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. The left kidney measured 4.5 cm in length. The right kidney measured 4.0 cm in length.

The area of the aortic trifurcation was free of pathology.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.40 cm width at the caudal pole and 1.9 cm length. No overt pathology in the area of the right adrenal gland.

**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.

**Liver**

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.

**Gastrointestinal**

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 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.

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

**Pancreas**



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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 was evident.

**SPECIES**

Canine

**Free Abdomen**

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**BREED**

French Bulldog

Multiple viable fetuses exhibiting overtly normal heartbeat and evidence of mild early to mild skull and rib mineralization were present. Overtly normal uterus and gestation sacs with anechoic content.

**ULTRASONOGRAPHIC FINDINGS**

- Multiple viable fetuses-confirmed pregnancy, estimate 4-5 fetuses present
- Overtly normal gravid uterus

**SEX**

FI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

1yr

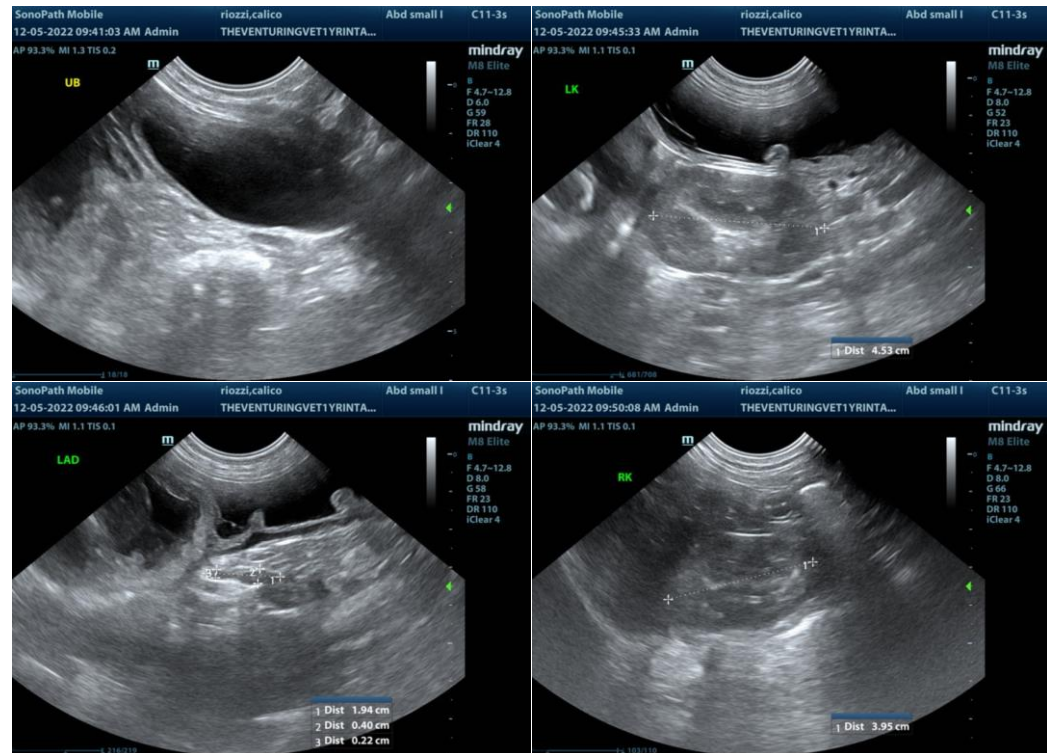
All of the visualized fetuses in the study appear to be viable exhibiting subjective normal heartbeats and development. Although not definitive, the presence of early skull and rib mineralization may suggest gestational age ranging between 43-46 days. Correlation with breeding date recommended. If persistent vaginal discharge, submission for pathology review and/or consultation with a reproductive specialist may be considered.

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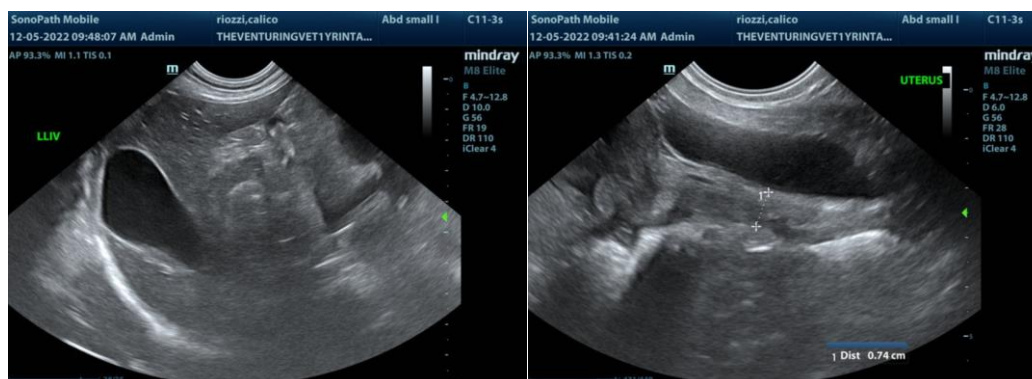
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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