



PATIENT

Fettucine Bolt

SPECIES

Ferret

BREED

Ferret

SEX

Spayed Female

AGE

3 Years 2 Months

WEIGHT

0.96 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Joetitia Saint-Jacques, RVT

HOSPITAL NAME

Mountain View AH

REFERRING VET

Dr. Sarah Kalivoda

INVOICE

13805

DATE

2/5/22

PRESENTING CLINICAL SIGNS

History: Chief Concern / Provisional Diagnosis: ~Ferret has adrenal disease and we need to evaluate which adrenal needs to be removed. ~ Relevant Medical History and Physical Exam findings: ~Presented 1/4 on UC for swollen vulva with discharge. Sent BW to Ohio for adrenal panel and supports hyperadrenocorticism.~ Recent Diagnostics: Relevant Laboratory Results / Abnormalities: CBC WNLs, Chems: Ca=12.3(10), TP=10.8(7), Creat=0.3(0.4), Phos=4.8(5.6), Alb=2.8(3.3). Estradiol WNLs, Progesterone=2.36(0.8), Androstendione=6.32(1.5). Current medications (include full name, dosage and frequency): ~None~

Abnormal PE/Chem/CBC/UA Results: LABS attached

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. Both kidneys measured 2.5 cm each.

Adrenal Glands

The **left adrenal gland** was swollen, rounded and hypoechoic and hypervascular (on color flow assessment). No capsular escape or vascular invasion noted. The left adrenal gland measured the upper limits of normal size, measuring 0.38 cm x 0.9 cm.

The **right adrenal gland** appeared subjectively flattened (up to 4.0 mm in width).

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted. A trace amount of fluid was noted adjacent to the caudal pole of the spleen, likely owing to splenic folding and positional variant.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No



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Fettuccine Bolt pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

SPECIES *Gastrointestinal*

Ferret Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Pancreas

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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Free Abdomen

Occasional reactive **lymph node** noted in the mid abdomen, measuring up to 0.63 cm. A pancreatic or mesenteric anechoic cyst was noted in the midabdomen, measuring 1.0 cm.

WEIGHT

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ULTRASONOGRAPHIC FINDINGS

- Rounded and enlarged left adrenal gland, likely the source of endocrinopathy
- Folded spleen with secondary congestion based fluid, not likely pathological
- Pancreatic or mesenteric cyst, benign
- Reactive lymph nodes

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Left adrenal adenoma suspected. Left adrenalectomy warranted given the patient history. Unremarkable abdomen otherwise.

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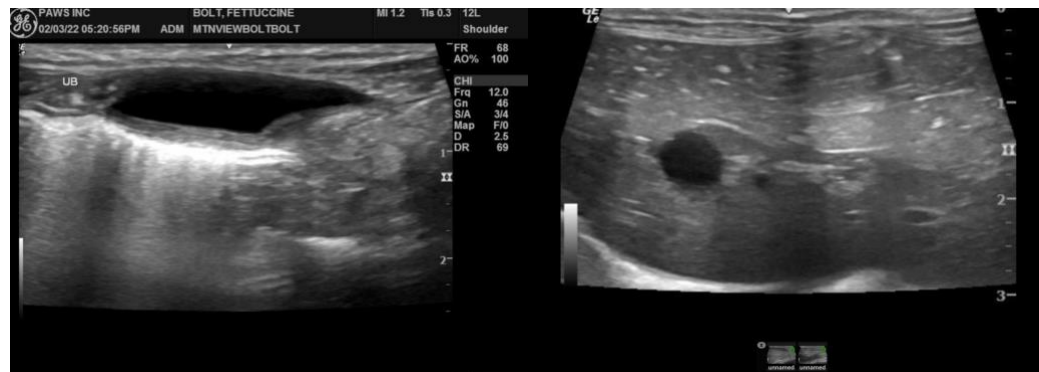
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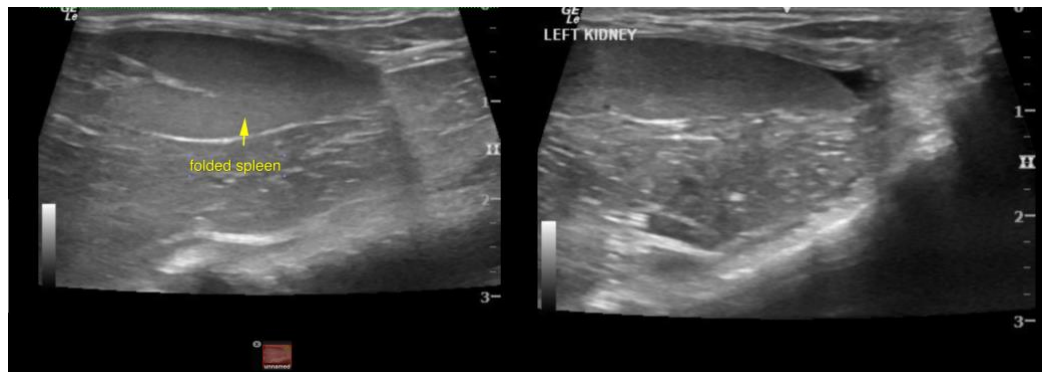
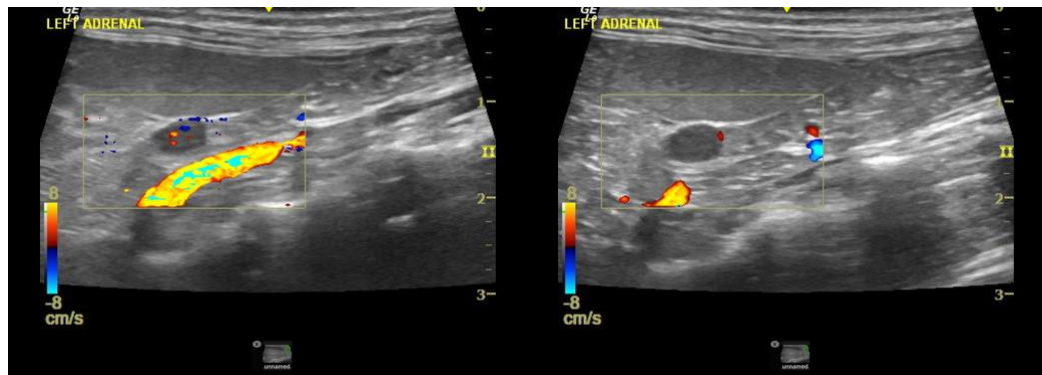
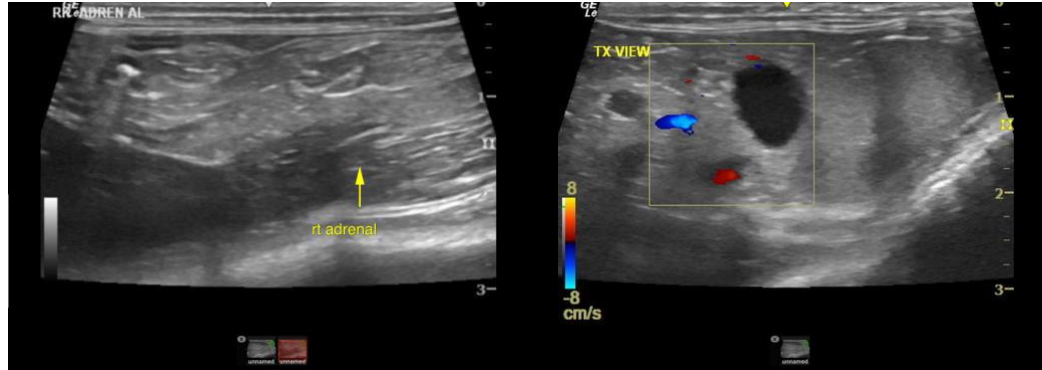
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@SonoPath.com

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