

**PATIENT PRESENTING CLINICAL SIGNS**

Foxy Lawrence History: 3 day duration lethargy, ADR, decreased appetite

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Canine Urinary System**

Canine The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 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

**BREED**

Chow Chow Mix The area of the aortic trifurcation was free of pathology.

**SEX**

FS

**AGE**

13 years

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 to moderate loss of corticomodullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Multiple, variably sized cortical cysts were present in both kidneys. An example of a cortical cyst in the cranial left kidney measured 1.8 cm in diameter. The left kidney measured 6.3 cm in length. The right kidney measured 6.1 cm in length.

**Adrenal Glands**

**WEIGHT**

45 Pounds

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.73 cm width at the caudal pole and 0.62 cm width at the cranial pole.

Unilateral enlargement of the right adrenal gland was present. Asymmetrical adrenal capsule margination was present. A nonhomogeneous mass in the area of the right adrenal gland exhibiting asymmetrical contour and likely areas of parenchymal mineralization was present. The right adrenal mass measured 4.9 cm x 3.3 cm. Potential for early phrenicoabdominal vein invasion is of concern, although not definitive.

**INTERPRETED BY**

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

**Spleen**

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

A nonhomogeneous to cavitated mass involving the spleen was present and measured 10.0 cm – 11.0 cm. The spleen not involved with the mass exhibited parenchyma heterogeneity with concurrent hyperechoic parenchymal nodules.

**HOSPITAL NAME**

Stanglein VC

**Liver/ Gallbladder**

**REFERRING VET**

Dr. Green

The liver exhibited generalized mild to moderate enlargement. Subtle asymmetrical caudal hepatic contour with generalized mild subjective decreased hepatic parenchyma echogenicity exhibiting moderate coarse echotexture and evidence of parenchymal remodeling were present. Moderate, nondependent, mildly congealed gallbladder debris was present. The gallbladder was otherwise normal with no evidence of peripheral gallbladder inflammation.

**INVOICE**

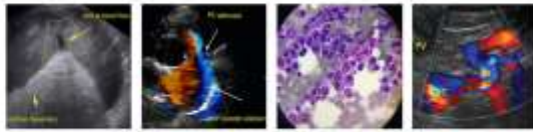
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**Gastrointestinal**

**DATE**

2.15.2022

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.



**PATIENT**

Foxy Lawrence

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.

**SPECIES**

Canine

***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.

**BREED**

Chow Chow Mix

***Free Abdomen***

Regional perisplenic nonuniform reactive mesentery along with minor peritoneal free fluid was present.

**SEX**

FS

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

**AGE**

13 years

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

- Confirmed splenic mass
- Right adrenal mass
- Nonspecific hepatomegaly exhibiting mildly nonuniform to hypoechoic parenchyma
- Moderate gallbladder debris, potential for early gallbladder mucocele

**WEIGHT**

45 Pounds

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The splenic mass is most suggestive of neoplastic criteria such as sarcoma or other. Benign pathologies for the splenic mass are possible yet though less likely.

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Rebekah Jakum, CVT  
ARDMS/RVT

The right adrenal mass may indicate primary concurrent neoplasia such as adenocarcinoma, pheochromocytoma, or other with potential for metastatic neoplasia. The possibility of benign right adrenal etiologies such as functional vs. nonfunctional adenoma, hyperplasia are considered less likely.

**HOSPITAL NAME**

Stanglein VC

The presentation of the liver was nonspecific with considerations including vacuolar hepatopathy, hepatitis, congestion, while the possibility of hepatic neoplasia may be present.

**REFERRING VET**

Dr. Green

If surgical options are a possibility in this case, given the presence of the right adrenal mass, abdominal CT for further clarification and assessment of right adrenal mass, surgical resectability, as well as screening hepatic FNA, are recommended. Three view chest radiographs are suggested if not done.

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**PATIENT**

Foxy Lawrence

**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.**

**SPECIES**

Canine

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**

Chow Chow Mix

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**SEX**

FS

**AGE**

13 years

**WEIGHT**

45 Pounds

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