



**PATIENT PRESENTING CLINICAL SIGNS**

Ebony Volpe  
History: vomiting. On cerenia  
Abnormal PE/Chem/CBC/UA Results: TP 9.0, glob 6.4, CK 880

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**  
*Urinary System*

**BREED**

Domestic Shorthair

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 was noted. Ureteral papillae were normal.

**SEX**

Spayed female

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.0 cm. The right kidney measured 4.24 cm.

**AGE**

9 years

**WEIGHT**

16.3 lbs

*Adrenal Glands*

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.39 cm. The left adrenal gland measured 0.47 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

*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 was noted.

**HOSPITAL NAME**

Ringwood AH

**REFERRING VET**

Dr. DeSpirito

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

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**PATIENT**

**Gastrointestinal**

Ebony Volpe

The upper **gastrointestinal tract** was unremarkable with a hair type density in the stomach. The distal small intestine appeared mildly thickened with hypertrophied muscularis. No neoplastic criteria was met.

**SPECIES**

Feline

**Pancreas**

**BREED**

Domestic Shorthair

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

**SEX**

Spayed female

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

9 years

Largely age related abdominal changes with minor intestinal thickening and slight hairball density in the stomach.

**WEIGHT**

16.3 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Diet change and consideration to occult parasitism and hairball therapy is all indicated.

**INTERPRETED BY**

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DABVP, Cert. IVUSS

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**HOSPITAL NAME**

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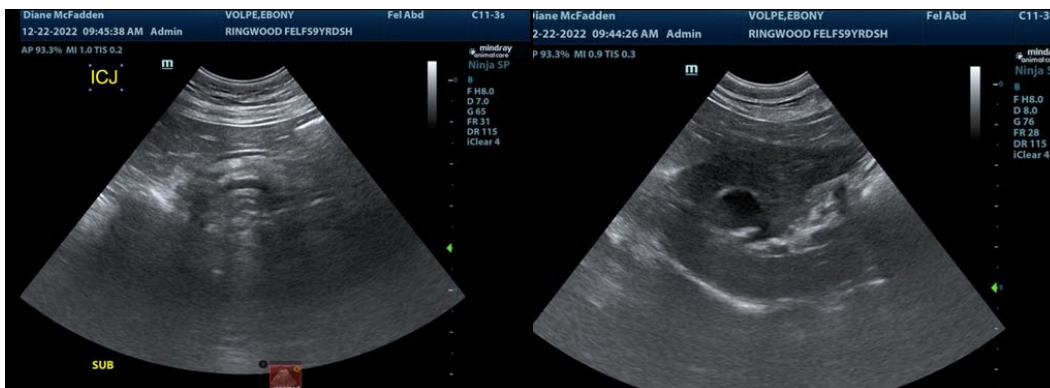
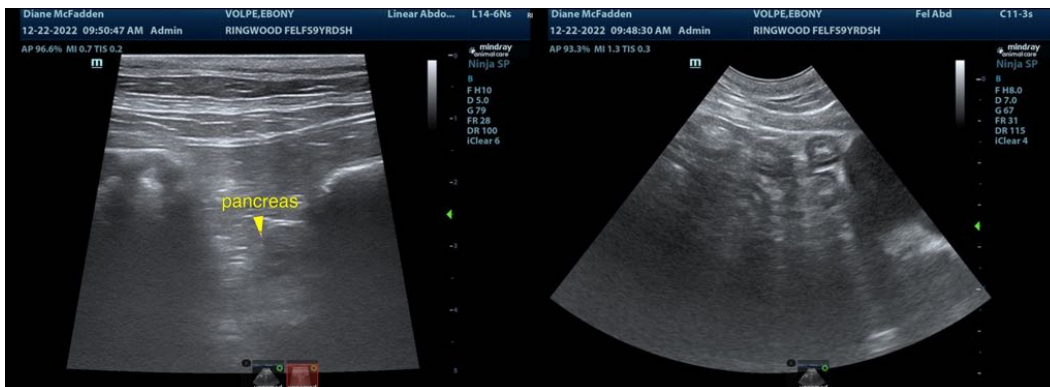
Dr. DeSpirito

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**PATIENT**

Ebony Volpe

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

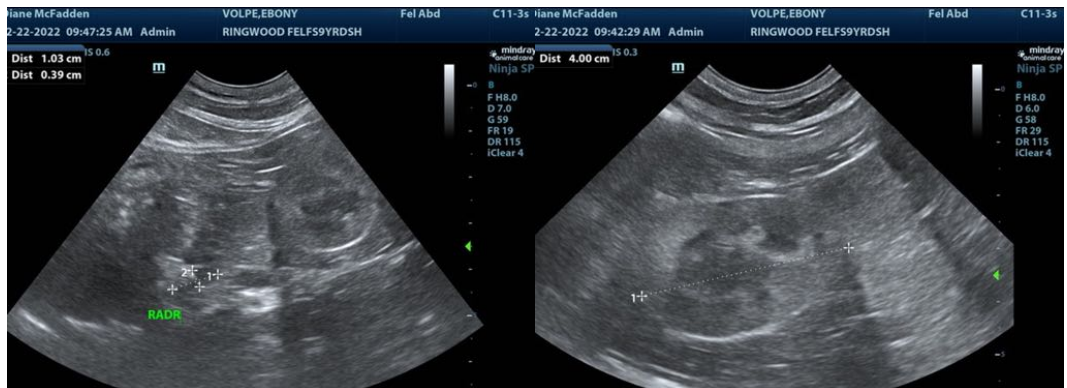
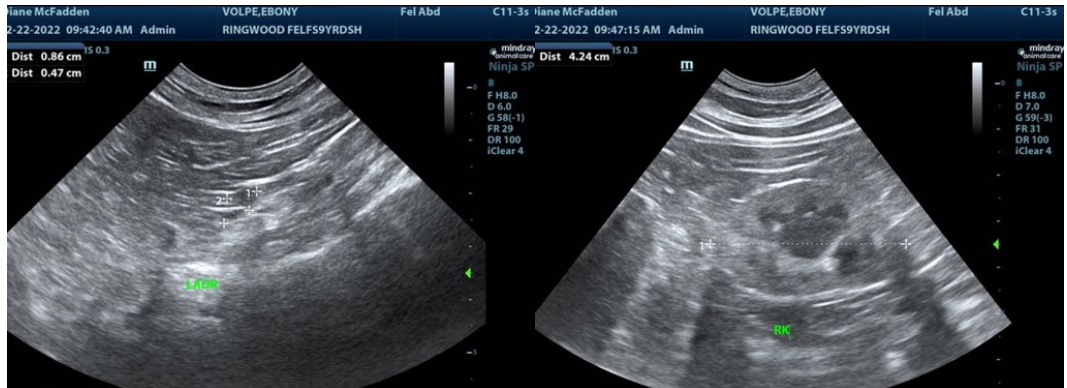
Spayed female

**AGE**

9 years

**WEIGHT**

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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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
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