



**PATIENT PRESENTING CLINICAL SIGNS**

Lucky Vosko

History: Not eating or drinking; ate shrimp a day ago; not using the bathroom - no straining; o said she waited a few days to bring p in as she was hoping it would resolve on its own O reports p vomited two days ago and has been NAR since; used to vomit often when would over-eat. O thinks p has lost weight. O adopted p 4 years ago from hoarding situation.

**SPECIES**

Feline

Abnormal PE/Chem/CBC/UA Results: FIV/FeLV - negative Chem - Glu 204, Ca 8.1 EPOC - HCT <10%, Na 145, Ca 1.2, Glu 203, HGB too low CBC - WBC 5.11, neutropenia, monocytopenia, eosinopenia, RBC 1.51, HGB 3.4, HCT 9.9, PLT 27 PCV/TS 9%, 6.4

**BREED**

Domestic Shorthair

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**SEX**

Neutered male

**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 was noted. Ureteral papillae were normal.

**AGE**

11 years

The **kidneys** revealed normal 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. The left kidney revealed multiple infarcts and dystrophic changes. Pelvic calculi were noted and non-obstructive at the time of the sonogram. The left kidney was subnormal in size and measured 2.82 cm. The right kidney revealed infarcts and mild to moderate degenerative changes. Minor pinpoint nephrolithiasis was noted. The right kidney was normal in size and measured 4.13 cm.

**WEIGHT**

4.4 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**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. Both adrenal glands measured 0.4 cm.

**IMAGING PERFORMED BY**

Dr. Niewal

**Spleen**

The **spleen** was mildly enlarged with uniform, but subtly micronodular parenchyma, and undulating capsular contour. This is consistent with reactive spleen owing to immune stimulus or early infiltrative disease such as mast cell disease or lymphoma. 25-gauge FNA would be ideal if weight loss is an issue to differentiate early round cell neoplasia versus splenitis or reactive spleen all of which can present in this manner. The spleen measured 0.8 cm in width.

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

**REFERRING VET**

Dr. Niewal

**INVOICE**

44163

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**Liver**

The **liver** was mildly enlarged with increased portal markings. The gallbladder revealed a minor amount of sand/calculi. The common bile duct was normal and measured 0.3 cm.



**PATIENT**

**Gastrointestinal**

Lucky Vosko

The **stomach** revealed hairball type density. The small intestines and colon were unremarkable.

**SPECIES**

**Pancreas**

Feline

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.

**BREED**

Domestic Shorthair

**SEX**

**ULTRASONOGRAPHIC FINDINGS**

Neutered male

Dystrophic left kidney with non-obstructive nephrolithiasis.

**AGE**

Minor, degenerative right renal changes.

11 years

Slight hairball density in the stomach.

Minor biliary calculi and hepatic remodeling.

**WEIGHT**

4.4 kg

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

The cause of anemia is not evident in the abdomen. CBC path review +/- bone marrow aspirate is indicated. Urinary work-up is indicated. It does not seem that the primary issue is with the abdominal viscera.

Eric Lindquist, DMV  
DABVP, Cert. IVUS

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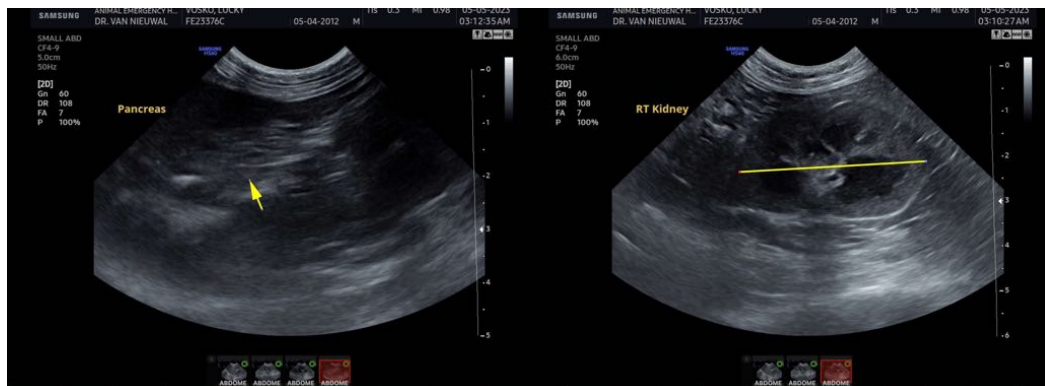
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**PATIENT**

Lucky Vosko

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

11 years

**WEIGHT**

4.4 kg

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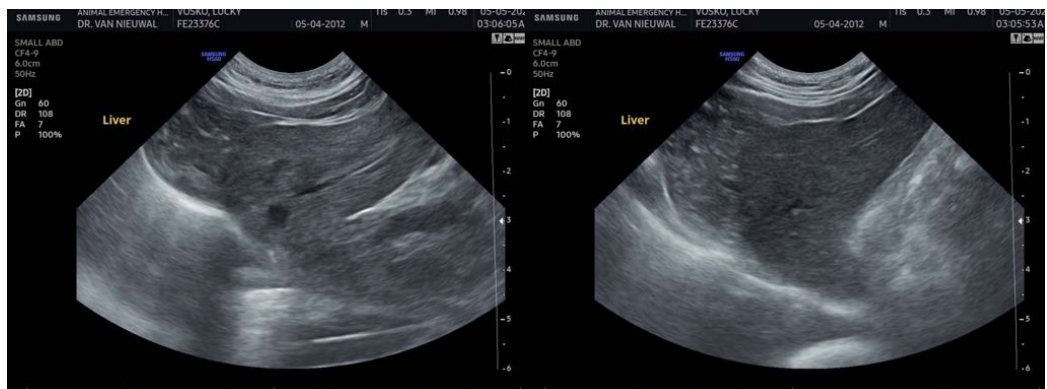
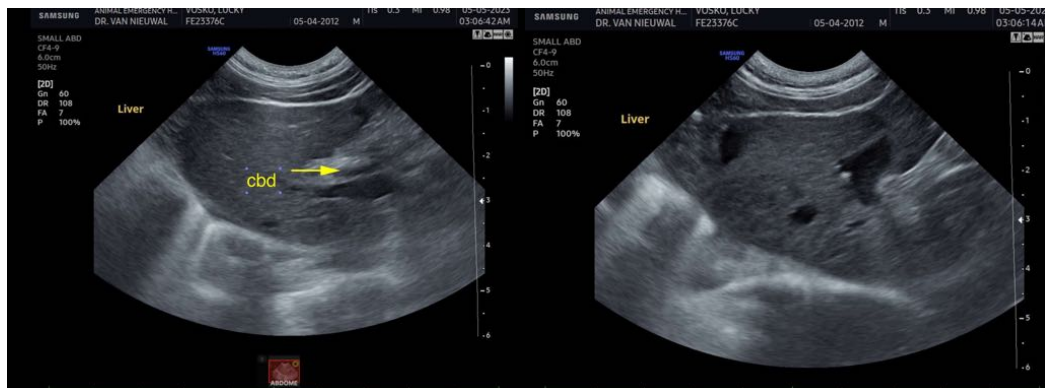
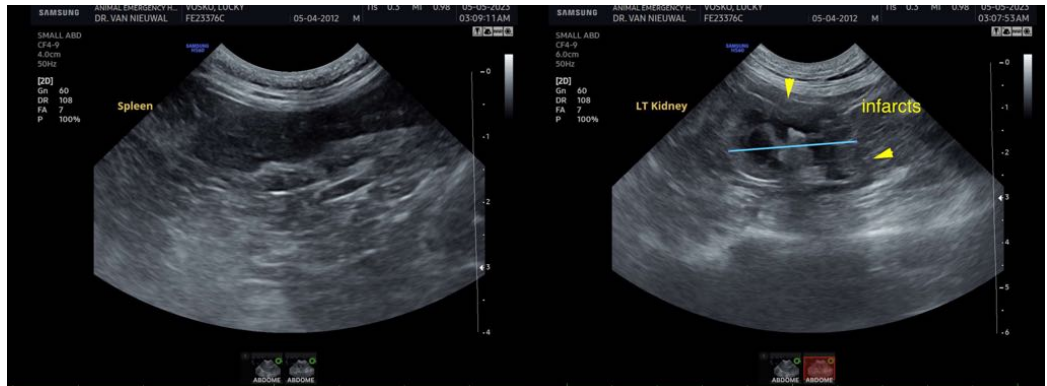
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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