

**PATIENT PRESENTING CLINICAL SIGNS**

Bubba Lillington History: Weight loss, lethargy, normal appetite, concern for abdominal mass

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Mustela *Urinary System*

**BREED** Ferret 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**

Neutered Male 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. The right kidney measured 3.05 cm. The left kidney measured 2.88 cm.

**AGE**

2018

*Adrenal Glands*

**WEIGHT**

1.7 kg

The left adrenal gland was mildly heterogenous and normal in size at 0.85 x 0.38 cm. The right adrenal gland was mineralized and slightly irregular, yet there was no evidence of capsular invasion noted.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

*Spleen*

The **spleen** was mildly enlarged and founded upon itself. This is likely the structure that is being palpated, yet this is uniform with a trace amount of free fluid.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

*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.

**HOSPITAL NAME**

Brodheads ville VC

**REFERRING VET**

Dr. Goldstein

*Gastrointestinal*

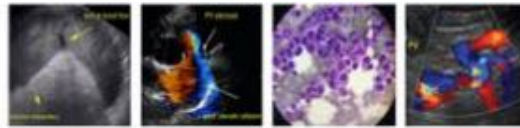
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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and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

**DATE**

3/16/23



**PATIENT** *Pancreas*

Bubba Lillington 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.

**SPECIES**

Mustela

**Free Abdomen**

**BREED**

Occasional reactive lymph node was noted in the midabdomen.

Ferret

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Hypersplenism pattern.

Neutered Male

Mineralized right adrenal gland. Adenoma with dystrophic mineralization is likely with a minor potential for carcinoma.

**AGE**

Minor left adrenal remodeling, yet likely benign.

2018

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

1.7 kg

There was no obvious evidence of neoplasia, yet emerging lymphoma cannot be completely ruled out. Splenic FNA is indicated. If adrenal signs are present in this patient then right adrenalectomy and medical management would be indicated. There was no other evidence of significant pathology. Causes of immune stimulation should be considered given the splenic presentation.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

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ARDMS/RVT

**HOSPITAL NAME**

Brodheads ville VC

**REFERRING VET**

Dr. Goldstein

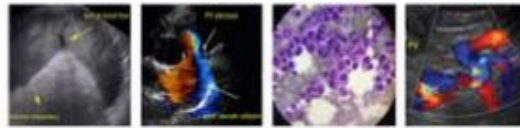
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**DATE**

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**PATIENT**

Bubba Lillington

**SPECIES**

Mustela

**BREED**

Ferret

**SEX**

Neutered Male

**AGE**

2018

**WEIGHT**

1.7 kg

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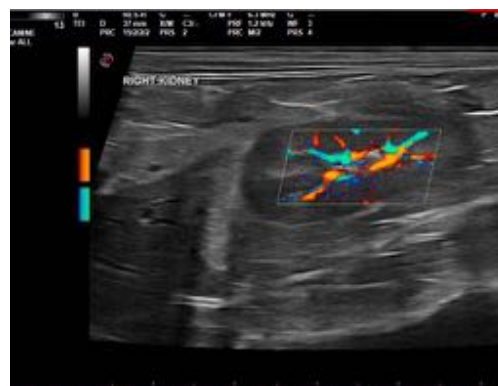
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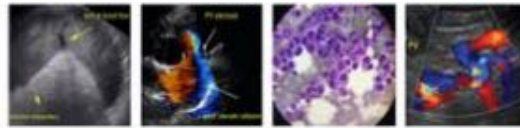
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**PATIENT**

Bubba Lillington

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.

**SPECIES**

Mustela

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**

Ferret

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

**SEX**

Neutered Male

**AGE**

2018

**WEIGHT**

1.7 kg

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