



PATIENT PRESENTING CLINICAL SIGNS

Crash Meulen

History: FUO, splenomegaly, possibly painful abdomen on palpation.

SPECIES

Ferret

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

BREED

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. Occasional cortical cyst was noted in the kidneys. The right kidney measured 3.28 cm. The left kidney measured 3.28 cm.

AGE

4 years

Adrenal Glands

WEIGHT

2.2 lbs

The right **adrenal gland** was 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 0.3 cm. The left adrenal gland was not overtly visualized.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Diane McFadden, RVT

The **spleen** was enlarged and heterogenous with an infiltrative pattern and scalloping contour. The spleen was dramatically hypoechoic to the surrounding mesentery. The spleen was also folded upon itself. There were slight areas of free fluid noted. This is likely owing to lymphatic congestion.

HOSPITAL NAME

Animal Care Center of
Flanders

Liver

REFERRING VET

Dr. Casulli

The **liver** was largely normal. The gallbladder and common bile duct were unremarkable. The hepatic lymph nodes were moderately enlarged and rounded.

INVOICE

39483

Gastrointestinal

DATE

9/20/22

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. Multiple, midabdominal lymph nodes are enlarged in this patient and rounded measuring up to 1.0 cm each.



PATIENT *Pancreas*

Crash Meulen

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

Ferret

ULTRASONOGRAPHIC FINDINGS

BREED

Multi-centric lymphadenopathy with splenic infiltrative disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered male

Given the multiple lymph nodes the adrenal glands were difficult to ascertain as they all had a similar structure. FNA of the spleen, accessible lymph nodes and liver is all indicated. Round cell neoplasia/multi-centric lymphoma is suspected.

AGE

4 years

WEIGHT

2.2 lbs

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DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Animal Care Center of
Flanders

REFERRING VET

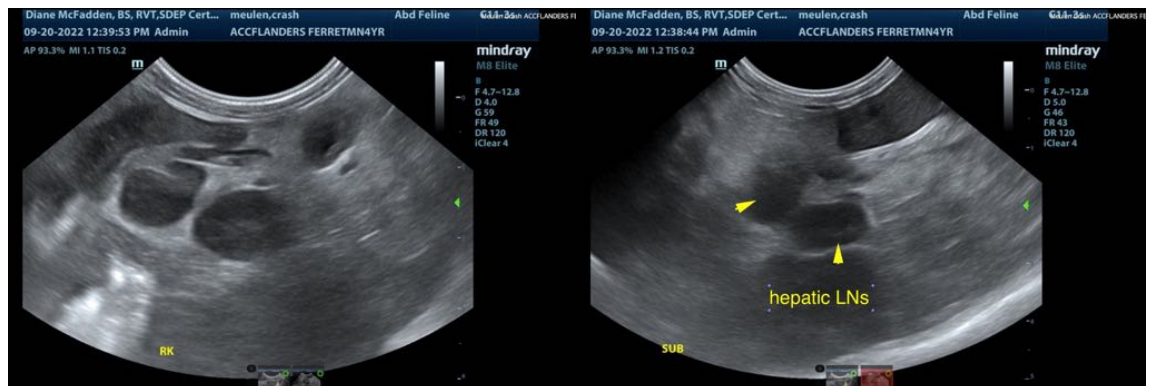
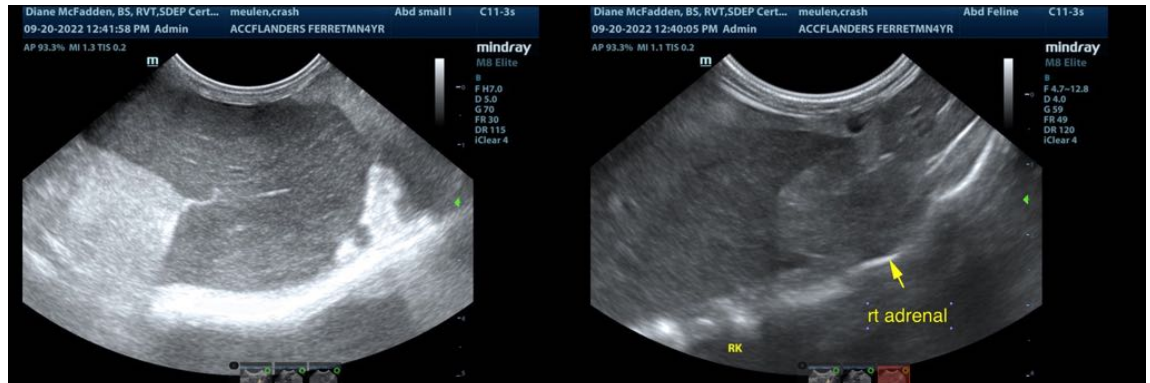
Dr. Casulli

INVOICE

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DATE

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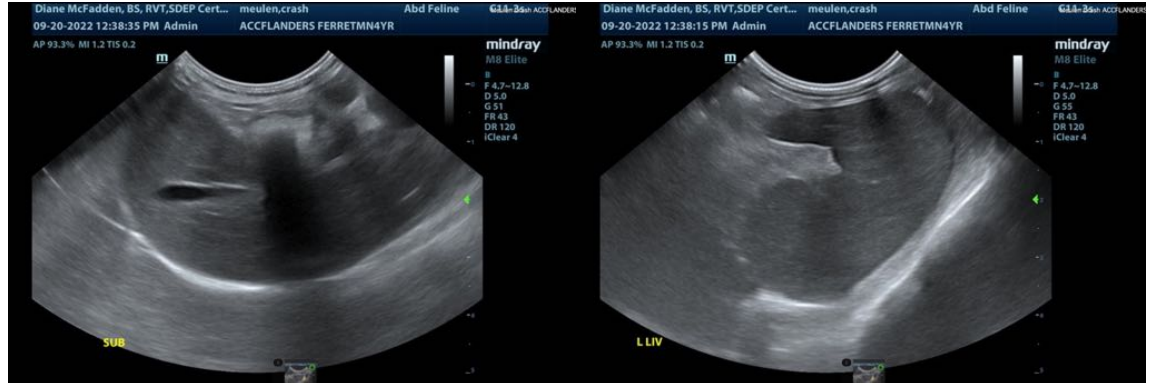
PATIENT

Crash Meulen

SPECIES

Ferret

BREED



SEX

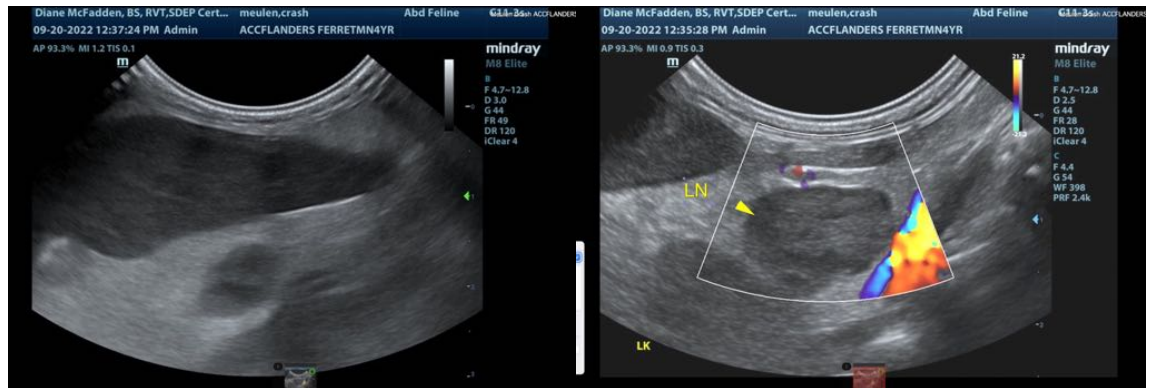
Neutered male

AGE

4 years

WEIGHT

2.2 lbs



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HOSPITAL NAME

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REFERRING VET

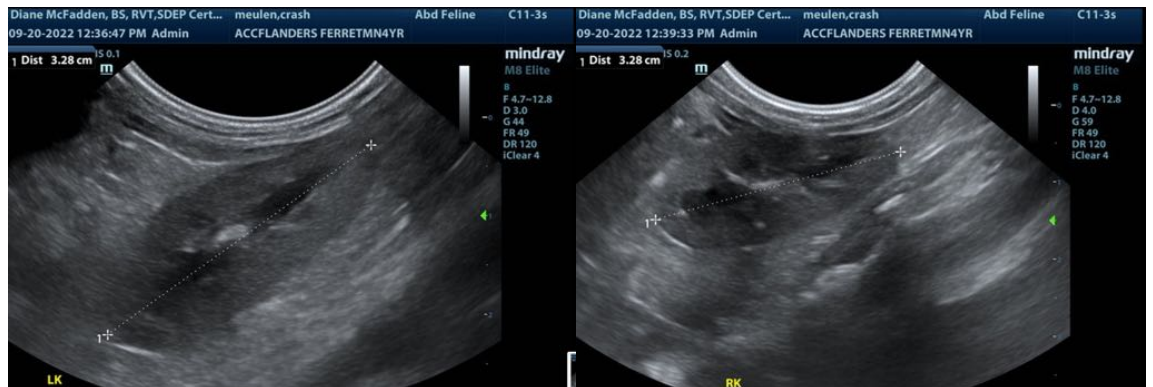
Dr. Casulli

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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.

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