



**PATIENT PRESENTING CLINICAL SIGNS**

Leo Menzel History: 2-day duration lethargy and anorexia.

**SPECIES** Physical Examination: Dehydrated, icteric, pyrexia.

Feline Urinalysis: N/A.

CBC: N/A.

**BREED** Serum Biochemistry: Elevated ALT and ALP activity and bilirubin, hypokalemia. Negative leptospirosis, FIV, FeLV.

DSH Radiographic Findings: N/A.

**SEX**

MN

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**AGE** *Urinary System*

5 years Small urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

**WEIGHT** Normal trigone area, proximal urethra, and iliac blood vessels.

5.4 kg Normal iliac lymph nodules. Ureters not visualized.

**INTERPRETED BY** Enlarged renal size (both 4.6 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal blood flow, pelvis, and capsule.

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*Reproductive System*

N/A.

**IMAGING PERFORMED BY** *Adrenal Glands*

Dr Alastair Westcott, DVM Normal shape, echogenic appearance, position, and size. Left 0.44 cm.

*Spleen*

**HOSPITAL NAME** Enlarged (1.1 cm) with increased echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET** *Liver*

Dr Alastair Westcott, DVM Normal size with increased echogenic appearance and prominent markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

**INVOICE** *Gastrointestinal*

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**DATE** Normal appearance of the stomach, duodenum, small intestine, and colon with no loss of layering, normal wall thickness (stomach 0.32 cm, small intestine 0.21 cm, colon 0.18 cm) and peristaltic activity, and no distension of the lumen. Irregular appearance of the ileo-cecal junction with a hyperechogenic appearance of the surrounding mesentery.

4/30/22



**PATIENT** *Pancreas*

Leo Menzel Normal size (right 0.4 cm, left 0.7 cm) with a hypoechoogenic appearance and irregular capsule. Hyperechoogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES** *Free Abdomen*

Feline Mesenteric and gastric lymphadenomegaly with normal shape and echogenic appearance. Small amount of ascites.

**BREED** **ULTRASONOGRAPHIC FINDINGS**

DSH Primary Findings:

- SEX**
- MN
- AGE**
- 5 years
- Renomegaly.
  - Pancreatitis.
  - Hepatopathy
  - Splenomegaly.
  - Mesenteric lymphadenomegaly.
  - Ileo-cecal pathology?

**WEIGHT** Secondary Findings:

5.4 kg

- Ascites.

**INTERPRETED BY**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the renomegaly would be acute kidney injury, bacterial nephritis, FIP, and lymphoma.

**IMAGING PERFORMED BY**

Dr Alastair Westcott,  
DVM

The appearance of the pancreas is consistent with pancreatitis.

Etiologies for the hepatopathy would be reactive, cholangio-hepatitis complex, lipidosis, and infiltrative neoplasia.

**HOSPITAL NAME**

Etiologies for the splenomegaly and lymphadenomegaly would be reactive, hyperplasia, inflammatory (splenitis, lymphadenitis), and neoplasia.

**REFERRING VET**

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Although the appearance of the ileo-cecal junction may be incidental, emerging granulomatous disease and neoplasia needs to be considered.

Further assessment would be urinalysis, urine culture, fPL/PSL assay, and FNA cytology of the liver, spleen, kidneys, and lymph nodes.

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Specific therapy would be dependent on an etiological diagnosis.

**DATE**

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**PATIENT IMAGES**

Leo Menzel **Kidney**

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**AGE**

5 years

**WEIGHT**

5.4 kg



**Spleen**

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**HOSPITAL NAME**

**REFERRING VET**

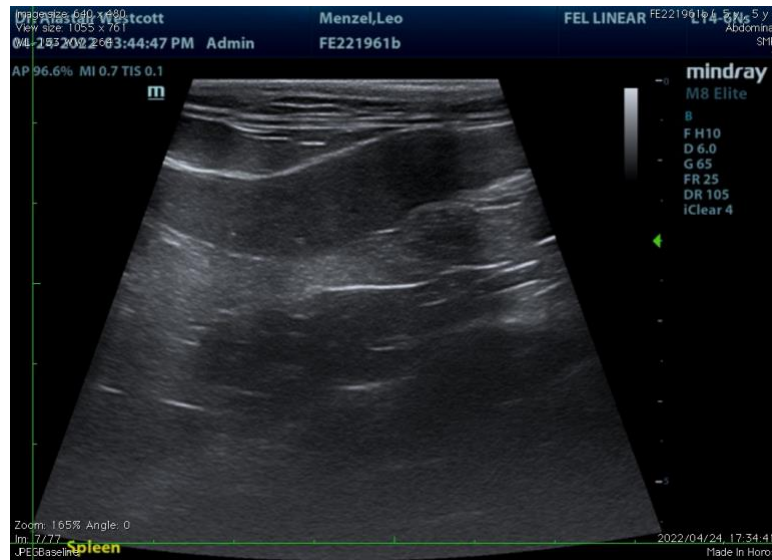
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**DATE**

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**PATIENT** Mesenteric lymph nodes

Leo Menzel

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**AGE**

5 years

**WEIGHT**

5.4 kg

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**HOSPITAL NAME**

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**INVOICE**

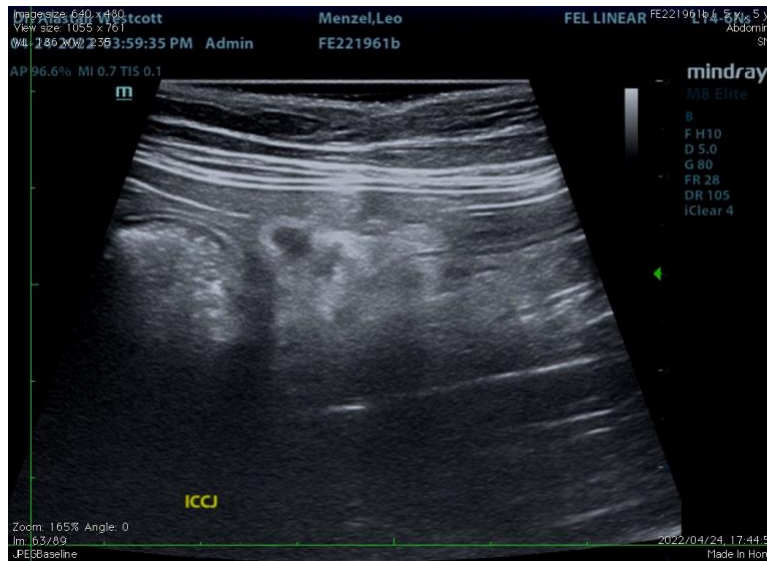
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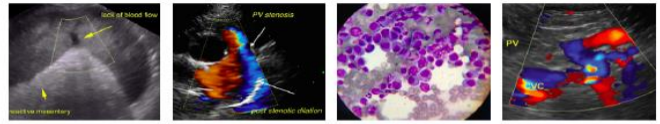
**DATE**

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**Ileo-cecal junction**





**PATIENT** Liver

Leo Menzel

**SPECIES**

Feline

**BREED**

DSH

**SEX**

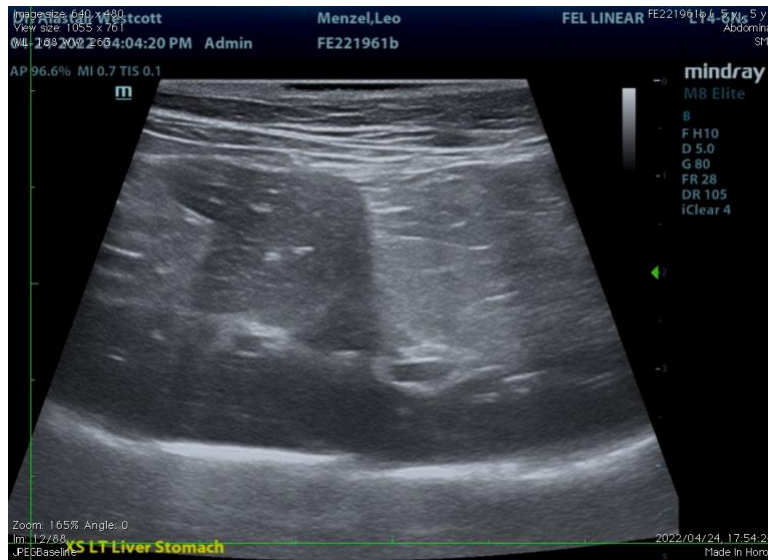
MN

**AGE**

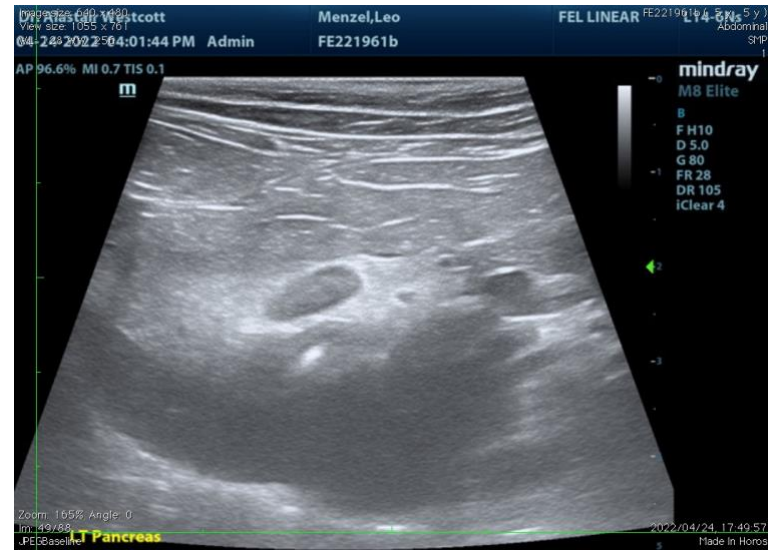
5 years

**WEIGHT**

5.4 kg



**Pancreas**



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**DATE**

4/30/22

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.

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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