


**PATIENT PRESENTING CLINICAL SIGNS**

Roxanne Villone History: Diabetes.

**SPECIES** Physical Examination: N/A.

Feline Urinalysis: SG 1.022, 1+ protein and glucose, possible ketones.

CBC: N/A.

**BREED** Serum Biochemistry: Hypokalemia, elevated urea and bilirubin. Abnormal fPL.

DSH Radiographic Findings: N/A.

**SEX**

FS

**Age**

18 years

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

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

**WEIGHT**

3.9 kg

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size with increased echogenic appearance, some loss of cortico-medullary differentiation, normal pelvis, and irregular capsule.

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**Reproductive System**

N/A.

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Dr Schwanebeck

**Adrenal Glands**

Normal position, echogenic appearance, shape, and size.

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**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted. Incidental myelolipomas.

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**Liver**

Enlarged with rounded edges, increased echogenic appearance, loss of portal markings, and regular curvilinear capsule. 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.

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**Gastrointestinal**

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristalsis, and no distension of the lumen. Ingesta-filled stomach with some areas of shadowing.


**PATIENT** *Pancreas*

Roxanne Villone

Normal size with a hyperechogenic appearance and irregular capsule. Hyperechogenic echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES** *Free Abdomen*

Feline

Normal mesenteric lymph nodes.  
No ascites evident.

**BREED**

DSH

**ULTRASONOGRAPHIC FINDINGS**
**SEX**

Primary Findings:

FS

- Pancreatitis/fibrosis.
- Hepatopathy.
- Renal disease.

**Age**

18 years

Secondary Findings:

**WEIGHT**

3.9 kg

- None.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**
**INTERPRETED BY**

Etiologies for the pancreas would be chronic pancreatitis and age-related fibrosis.

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Etiologies for the hepatopathy would be metabolic secondary to the diabetes, reactive, cholangio-hepatitis complex, lipidosis, granulomatous disease, and infiltrative neoplasia.

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Dr Schwanebeck

The appearance of the kidneys would be consistent with chronic kidney disease with bacterial nephritis a differential diagnosis.

Further assessment would be urine sediment, urine culture (UPC, if sediment and culture negative), blood pressure, fPL/PSL assay, and possibly FNA cytology of the liver.

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Specific therapy would be dependent on an etiological diagnosis.

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**PATIENT**

Roxanne Villone

**SPECIES**

Feline

**BREED**

DSH

**SEX**

FS

**Age**

18 years

**WEIGHT**

3.9 kg

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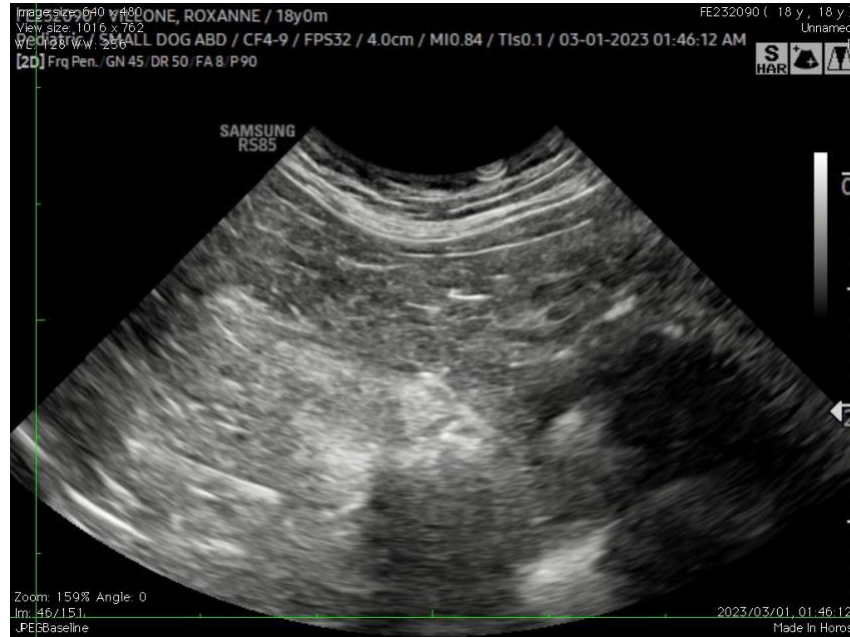
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**IMAGES**

**Pancreas**



**Liver**





**PATIENT**      **Kidney**

Roxanne Villone

**SPECIES**

Feline

**BREED**

DSH

**SEX**

FS

**Age**

18 years

**WEIGHT**

3.9 kg



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**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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