



**PATIENT PRESENTING CLINICAL SIGNS**

Princess Maisonave

History: PuPd,

**SPECIES**

Physical Examination: Multiple diffuse large and small mammary masses, slight abdominal distension, dental tartar, cataracts.

Canine

Urinalysis: SG 1.009, UTI – *Enterococcus* on culture.

**BREED**

CBC: Normal.

Yorkshire terrier

Serum Biochemistry: Low creatinine, mildly elevated ALT activity, severely elevated ALP activity.

Radiographic Findings: Hepatomegaly, cystolithiasis.

**SEX**

Female

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**AGE**

**Urinary System**

14 years

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

**WEIGHT**

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

6.1 #

Normal iliac lymph nodes. Ureters not visualized.

**INTERPRETED BY**

Normal renal size (left 3.7 cm, right 4 cm) with increased echogenic appearance, loss of cortico-medullary differentiation and normal capsule and right pelvis. Left pyelectasia.

Remo Lobetti, BVSc,  
MMedVet (Med), PhD, Dipl.  
ECVIM

**Reproductive System**

N/A.

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**Adrenal Glands**

Dr Megan Cassels-Conway,  
DVM

Left – normal shape, echogenic appearance, size (1.55 x 0.4 cm), and position.

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Right – normal echogenic appearance and position with abnormal shape and enlarged (1.27 x 0.77 cm).

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**Spleen**

**REFERRING VET**

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

Dr Oms, DVM

**INVOICE**

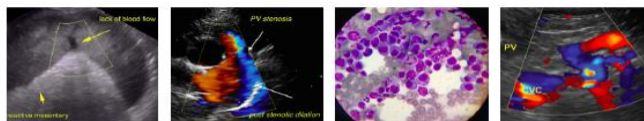
**Liver**

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Enlarged with a diffuse mottled and nodular echogenic appearance, and loss of portal markings. Nodules are small, faint, hypoechogenic, and parenchymal. No masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

**DATE**

7/6/22



**PATIENT** *Gastrointestinal*

Princess Maisonave Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen. Ingesta within the stomach.

**SPECIES**

Canine *Pancreas*

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**BREED**

Yorkshire terrier *Free Abdomen*

**SEX** No mesenteric lymphadenomegaly.  
No ascites.

Female

**AGE**

14 years

**WEIGHT**

6.1 #

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Hepatopathy.
- Renal disease.
- Right adrenomegaly.
- Uroliths

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Secondary Findings:

- Gall bladder sediment.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the hepatopathy would be reactive, hyperplasia, metabolic, nodular regeneration, chronic hepatitis, and infiltrative neoplasia.

Dr Megan Cassels-Conway,  
DVM

Although the appearance of the kidneys may merely be an age-related change, early chronic kidney disease, bacterial nephritis, and pyelonephritis needs to be considered.

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Etiologies for the right adrenal would be age-related change and emerging functional adenoma/carcinoma.

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Dr Oms, DVM

Further assessment would be SDMA, adrenal function testing (ACTH/LDDS test) and FNA cytology of the liver.

Specific therapy would be dependent on an etiological diagnosis.

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**DATE**

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**PATIENT IMAGES**

Princess Maisonave

**Liver**

**SPECIES**

Canine

**BREED**

Yorkshire terrier

**SEX**

Female

**AGE**

14 years

**WEIGHT**

6.1 #

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**HOSPITAL NAME**

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Hospital

**REFERRING VET**

Dr Oms, DVM

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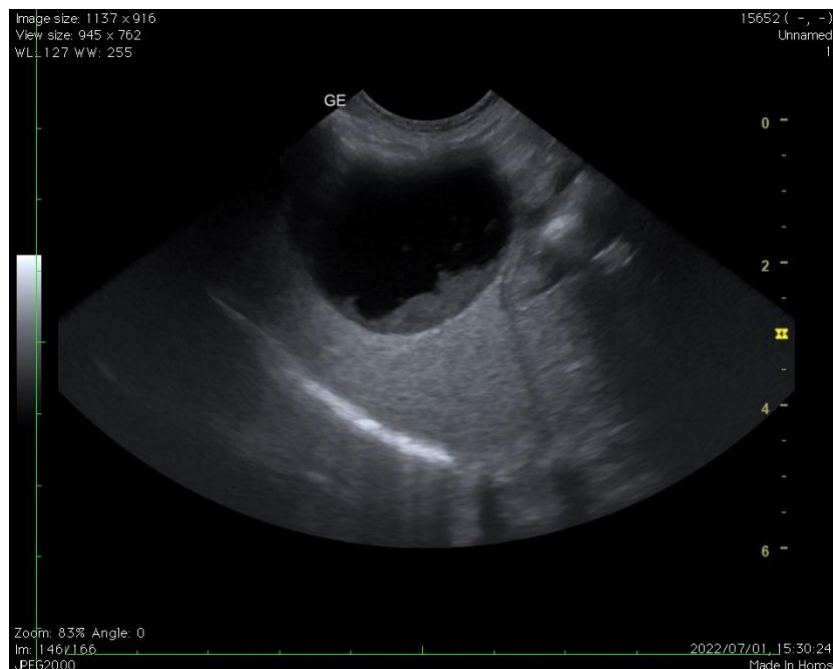
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Left Cranial Liver Sagittal

**Gall bladder**





**PATIENT** Left kidney

Princess Maisonave

**SPECIES**

Canine

**BREED**

Yorkshire terrier

**SEX**

Female

**AGE**

14 years

**WEIGHT**

6.1 #

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**HOSPITAL NAME**

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**REFERRING VET**

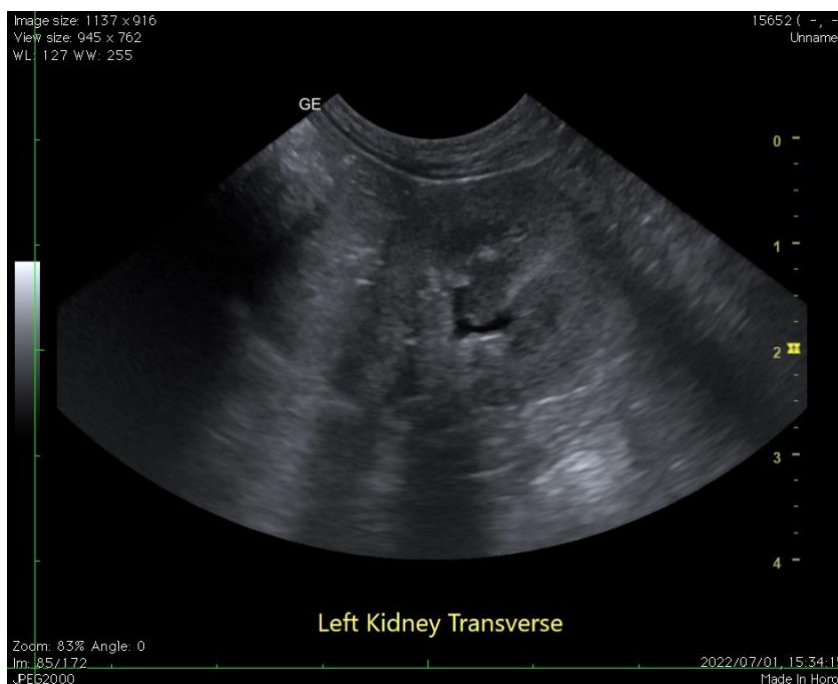
Dr Oms, DVM

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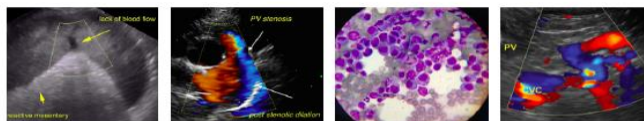
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**Urinary bladder**





**PATIENT** Right adrenal

Princess Maisonave

**SPECIES**

Canine

**BREED**

Yorkshire terrier

**SEX**

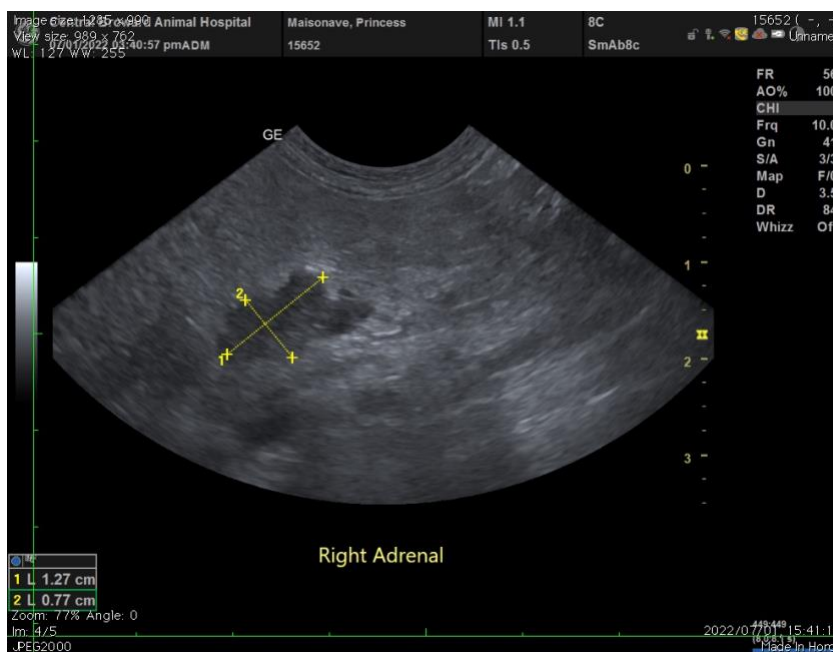
Female

**AGE**

14 years

**WEIGHT**

6.1 #



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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.

**IMAGING PERFORMED BY**

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**Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)**  
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Dr Oms, DVM

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