

**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT**  
Louie Tipton History: 1-2 week duration of anorexia and vomiting bile.

**SPECIES**  
Physical Examination: Dehydrated, possible renomegaly.

**BREED**  
Canine Urinalysis: SG 1.012. Culture pending.

**SEX**  
Australian shepherd CBC: Hemoconcentration, thrombocytopenia.  
Serum Biochemistry: Elevated globulins, bilirubin, calcium, amylase, and calcium. *Leptospira* titers pending.

Radiographic Findings: N/A.

**SEX**

MN

**AGE**

4 years

**WEIGHT**

53.5 #

**INTERPRETED BY**

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

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

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

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 6.1 cm, right 7 cm) with increased echogenic appearance, loss of cortico-medullary differentiation, and normal pelvis and capsule.

**Reproductive System**

Small hypoechogenic prostate.

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position. Left 1.15 x 0.41 cm, right 1.23 x 0.48 cm.

**Spleen**

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

**Liver**

Normal size, echogenic appearance and portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

**Gastrointestinal**

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.

**INVOICE**

302724

**DATE**

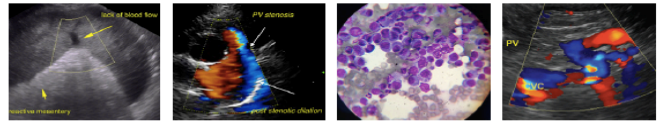
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**HOSPITAL NAME**

Central Broward Animal  
Hospital

**REFERRING VET**

Dr Oms, DVM



**PATIENT** *Pancreas*

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

**SPECIES** *Free Abdomen*

Canine No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

Australian shepherd

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Renal disease.

Secondary Findings:

- None.

**SEX**

MN

**AGE**

4 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

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Etiologies for the renal disease would be acute kidney injury (toxins, hypoxia), hypercalcemic nephropathy, bacterial nephritis, Leptospirosis.

With the hypercalcemia, thrombocytopenia, and severely elevated SDMA, lymphoma would be an important consideration.

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Further assessment should be based on the pending results but could include PTH assay, thoracic radiographs, and FNA cytology of the peripheral lymph nodes, and spleen.

**IMAGING PERFORMED BY**

Dr Megan Cassels-Conway,  
DVM

Specific therapy would be dependent on an etiological diagnosis. The hypercalcemia should be managed with fluid therapy and furosemide. Although prednisolone is also indicated, if a diagnosis of lymphoma is made, this potentially could interfere with specific chemotherapy.

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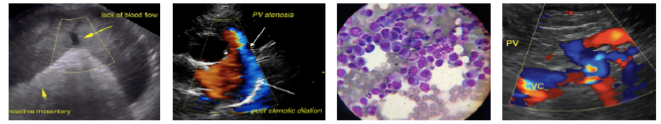
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Louie Tipton

**SPECIES**

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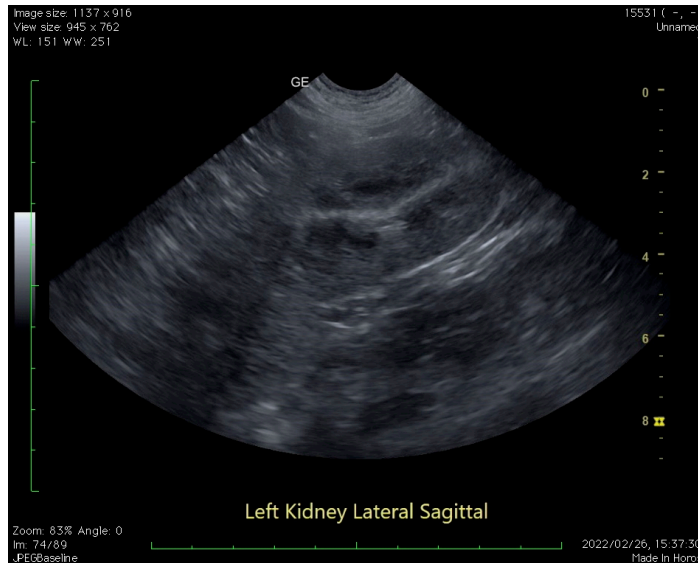
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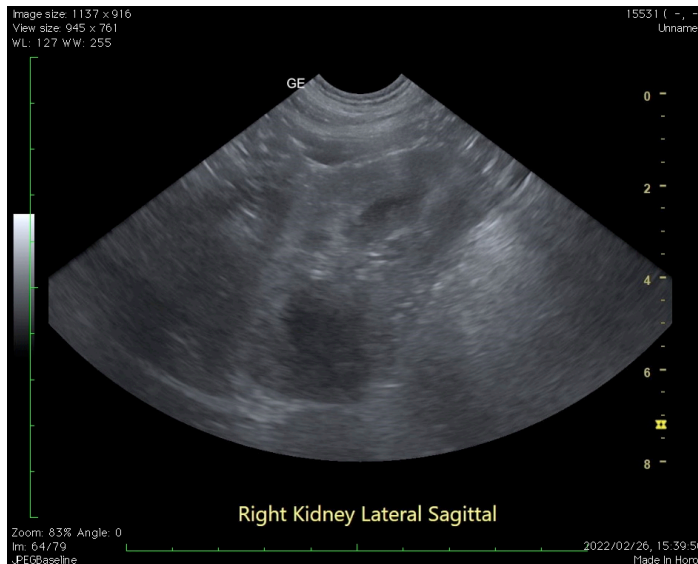
2/27/22

**IMAGES**

**Left kidney**



**Right kidney**



**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.

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