



PATIENT PRESENTING CLINICAL SIGNS

Sophie Shen History: Azotemia on pre-anesthetic bloods.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.011.

CBC: N/A.

BREED Serum Biochemistry: Elevated SDMA, creatinine, amylase, and potassium. Mild hypophosphatemia.

Samoyed Mix

Radiographic Findings: N/A.

SEX

FS

Age

7 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

19.7 kg

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

Normal iliac lymph nodes. Ureters not visualized.

INTERPRETED BY

Left kidney – large cyst (5.5 x 6.5 cm) with complete loss of normal renal architecture.

Right kidney – normal size (6.3 cm) echogenic appearance, and capsule with some loss of cortico-medullary differentiation and early hydronephrosis.

Reproductive System

N/A.

Adrenal Glands

Not visualized.

Spleen

Normal size with increased echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. Multiple irregular parenchymal hypoechogenic nodules of varying sizes.

Liver

Normal size, echogenic appearance, 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.

Gastrointestinal

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

IMAGING PERFORMED BY

Dr Sarah Barthelemy

HOSPITAL NAME

Glamorgan Animal Clinic

REFERRING VET

Dr Hill

INVOICE

303786

DATE

1/18/23



PATIENT *Pancreas*

Sophie Shen 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

Samoyed Mix

ULTRASONOGRAPHIC FINDINGS

SEX

Primary Findings:

FS

- Left cystic kidney.
- Right early hydronephrosis.
- Splenic nodules.

Age

7 years

Secondary Findings:

- None.

WEIGHT

19.7 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Etiologies for the renal changes would be cystic renal disease, renal abscess, previous obstructive uropathy, and congenital renal disease, with neoplasia a less likely differential diagnosis.

Etiologies for the spleen would be reactive, hyperplasia, granulomas, hematomas, and neoplasia.

Although the hyperkalemia is most likely secondary to the renal disease, Addison's disease should be considered.

Further assessment would be urine culture, UPC, blood pressure, basal cortisol assay, percutaneous drainage of the renal cyst with cytology and culture of the fluid, and FNA cytology of the spleen.

Specific therapy would be dependent on an etiological diagnosis. Initial management of the renal disease would be renal diet.

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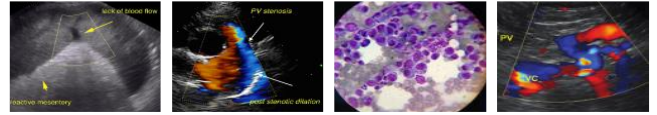
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PATIENT

Sophie Shen

SPECIES

Canine

BREED

Samoyed Mix

SEX

FS

Age

7 years

WEIGHT

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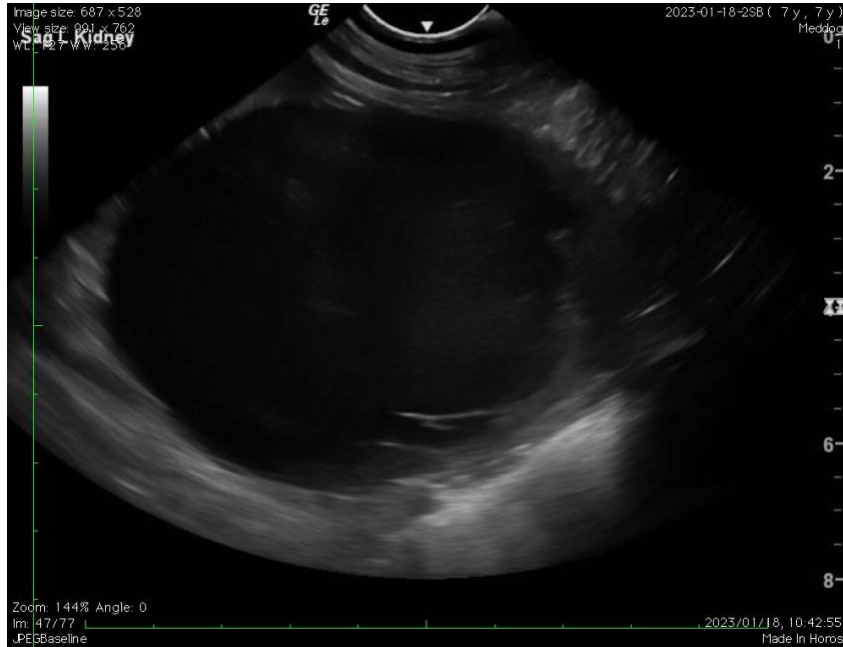
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IMAGES

Left kidney





PATIENT

Sophie Shen

SPECIES

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Samoyed Mix

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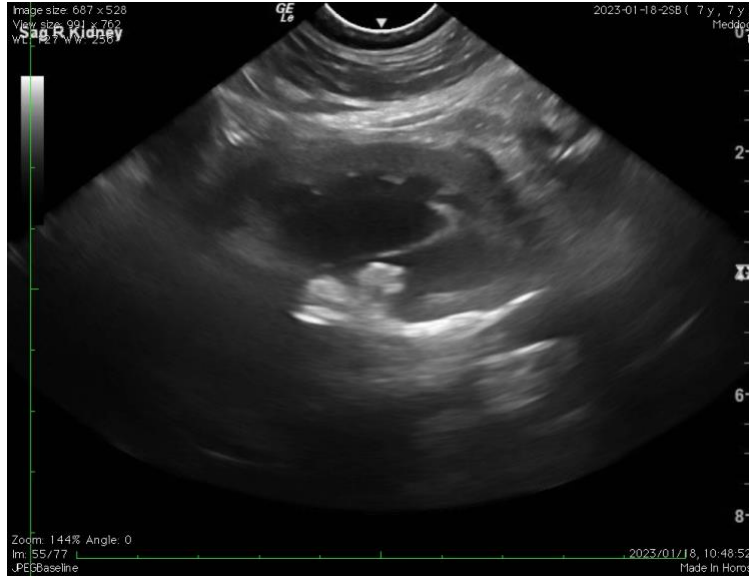
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Right kidney



Spleen



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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