


PATIENT PRESENTING CLINICAL SIGNS

Kiwi Amorim

History: Abdominal distension.

SPECIES

Canine

Physical Examination: N/A.

Urinalysis: N/A.

BREED

Miniature Schnauzer

CBC: Non-regenerative anemia.

Serum Biochemistry: Elevated liver enzyme activity, hypercalcemia.

Radiographic Findings: N/A.

SEX

FS

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Age

10 years

Urinary System

Full urinary bladder with an irregular appearance of the wall at the apex. Rest of the wall has a normal thickness and appearance. Moderate amount of floating hyperechogenic sediment. No uroliths evident.

WEIGHT

11 #

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

Normal iliac lymph nodes (1.5 cm). Ureters not visualized.

INTERPRETED BY

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

Normal renal size (left 4.9 cm right 5.4 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule. Bilateral pyelectasia – left 0.5 cm, right 0.4 cm. Hyperechogenic appearance of the fat in region of the right pelvis.

Reproductive System

N/A.

IMAGING PERFORMED BY

Sonya Myers, DVM

Adrenal Glands
HOSPITAL NAME

Normal shape, echogenic appearance, size, and position. Left 0.55/0.5 cm, right 0.46/0.48 cm.

Spleen

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Emergency

Normal size (1.3 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

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Liver
INVOICE

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Normal size, echogenic appearance, portal markings and regular curvilinear capsule. No nodules evident. Large (10.6 x 11.2 cm) mottled echogenic solid mass associated with the right liver. Full gall bladder containing large amount of adherent hyperechogenic sediment. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.2 cm).

DATE

8/11/22



PATIENT *Gastrointestinal*

Kiwi Amorim Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.44 cm, duodenum 0.49 cm, jejunum 0.26 cm) and peristaltic activity, and no distension of the lumen.

SPECIES

Canine

Pancreas

Enlarged (right 1.3 cm) and irregular with a hypoechogenic appearance. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

BREED

Miniature Schnauzer

Free Abdomen

SEX

Mesenteric (0.6 x 4.5 cm) and peri-gastric (1 cm) lymphadenomegaly with normal shape and echogenic appearance.

FS

No ascites.

Age

Small tortuous blood vessels in the dorsal mid-abdomen.

10 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

Primary Findings:

11 #

- Pancreatitis.
- Renal disease.
- Hepatic mass.
- Lymphadenomegaly.
- Cystitis.

INTERPRETED BY

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MMedVet (Med), PhD, Dipl.
ECVIM

Secondary Findings:

- Gall bladder sediment.
- Tortuous blood vessel.

IMAGING PERFORMED BY

Sonya Myers, DVM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

The appearance of the pancreas is typical for acute pancreatitis.

Oviedo Veterinary Care and
Emergency

Etiologies for the renal disease would be chronic kidney injury, bacterial nephritis, and pyelonephritis.

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The most likely etiology for the hepatic mass would be neoplasia – carcinoma, hepatoma with nodular hyperplasia, a differential diagnosis.

Dr Clark

Etiologies for the lymph nodes would be reactive, hyperplasia, lymphadenitis, and neoplasia, the latter likely with the hypercalcemia.

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Although the gall bladder sediment is most likely an incidental finding, emerging mucocele needs to be considered.

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The tortuous blood vessels in the abdomen are suggestive of acquired extra-hepatic shunts.

DATE

Further assessment would be urinalysis, urine culture, cPL/PSL assay, and FNA assay of the hepatic mass and lymph nodes. CT scan can be considered to fully define the hepatic mass and blood vessels.

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Specific therapy would be dependent on an etiological diagnosis.



PATIENT IMAGES

Kiwi Amorim **Pancreas**

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

FS

Age

10 years

WEIGHT

11 #



Blood vessels

INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

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 Emergency

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Dr Clark

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DATE

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PATIENT Liver

Kiwi Amorim

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

FS

Age

10 years

WEIGHT

11 #



Gall bladder

INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Oviedo Veterinary Care and
 Emergency

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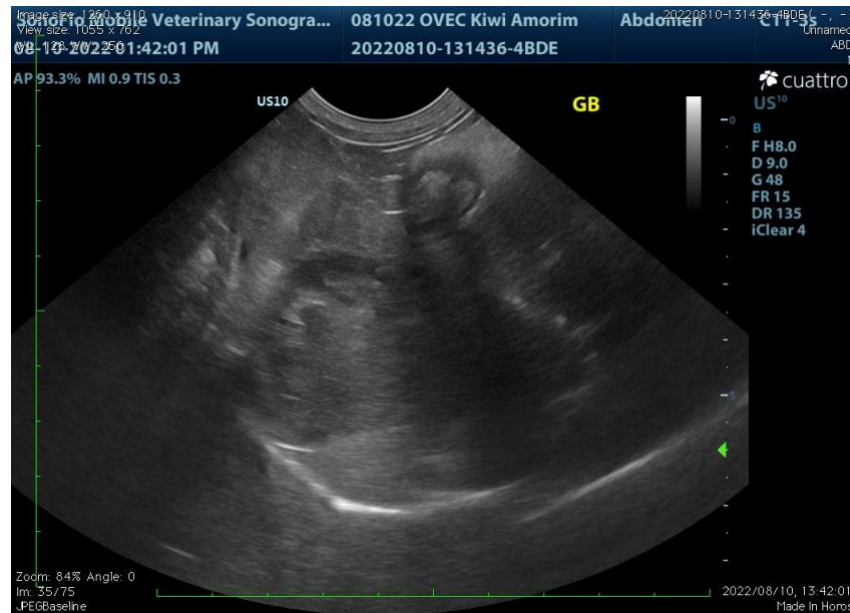
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PATIENT

Urinary bladder

Kiwi Amorim

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

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Age

10 years

WEIGHT

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 MMedVet (Med), PhD, Dipl. ECVIM

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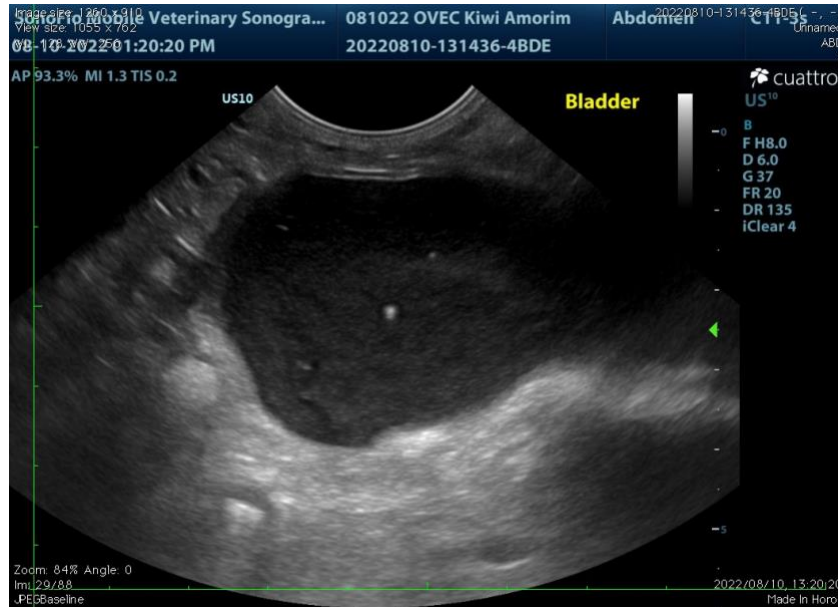
Dr Clark

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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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za