


PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Killer Whitmore

SPECIES
Canine

BREED
Chihuahua

SEX
FS

AGE
5 years

WEIGHT
15 #

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

IMAGING PERFORMED BY
Sonya Myers, DVM

HOSPITAL NAME
Oviedo Veterinary Care and
Emergency

REFERRING VET
Dr Caja

INVOICE
303058

DATE
6/24/22

History: DKA.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

Full urinary bladder with a normal thickness and appearance of the wall. Large amount of floating hyperechogenic sediment. No uroliths evident.

Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Bilateral renomegaly (left 5.6 cm, right 5.9 cm), increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule. Bilateral pyelectasia (left 0.4 cm, right 0.3 cm) and pinpoint mineralization. Hyperechogenic appearance of the peri-renal tissue.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, and position but bilaterally enlarged. Left 0.86/0.95 cm, right 0.89/0.75 cm.

Spleen

Normal size (1 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted

Liver

Enlarged with rounded edges, diffuse hyperechogenic appearance, and some loss of portal markings. No nodules or masses evident. Full gall bladder containing adherent and non-adherent hyperechogenic sediment with a mild stellate appearance. Normal thickness and echogenic appearance of the gall bladder wall. Mildly dilated bile duct (0.3 cm).



PATIENT *Gastrointestinal*

Killer Whitemore Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.49 cm, duodenum 0.34 cm, jejunum 0.37 cm) and peristaltic activity, and no distension of the lumen.

SPECIES

Canine

Pancreas

Enlarged and irregular (right 1 cm, left 1.2 cm) with a diffuse hypoechoogenic appearance. Hyperechoogenic appearance of the mesentery and fat surrounding the pancreas.

BREED

Chihuahua

Free Abdomen

SEX

Normal mesenteric lymph nodes (0.2 x 2.8 cm).
No ascites.

FS

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ULTRASONOGRAPHIC FINDINGS

5 years

Primary Findings:

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- Hepatopathy.
- Pancreatitis.
- Bilateral adrenomegaly.
- Bilateral renomegaly.
- Emerging mucocele.

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Secondary Findings:

- Urinary bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be reactive secondary to the pancreatitis, vacuolar, hyperplasia, metabolic, acute hepatitis (viral, bacterial, toxins), and infiltrative neoplasia.

The appearance of the pancreas is typical for pancreatitis.

The most likely etiology for the adrenomegaly would be pituitary-dependent Cushing's disease with disease stress a differential diagnosis.

Etiologies for the kidneys would be acute kidney injury, pyelonephritis, and bacterial nephritis.

Further assessment would be urinalysis, urine culture, CBC, serum biochemistry, cPL/PSL assay, FNA cytology of the liver, and adrenal function testing (ACTH stimulation/LDDS test).

Specific therapy would be dependent on an etiological diagnosis.

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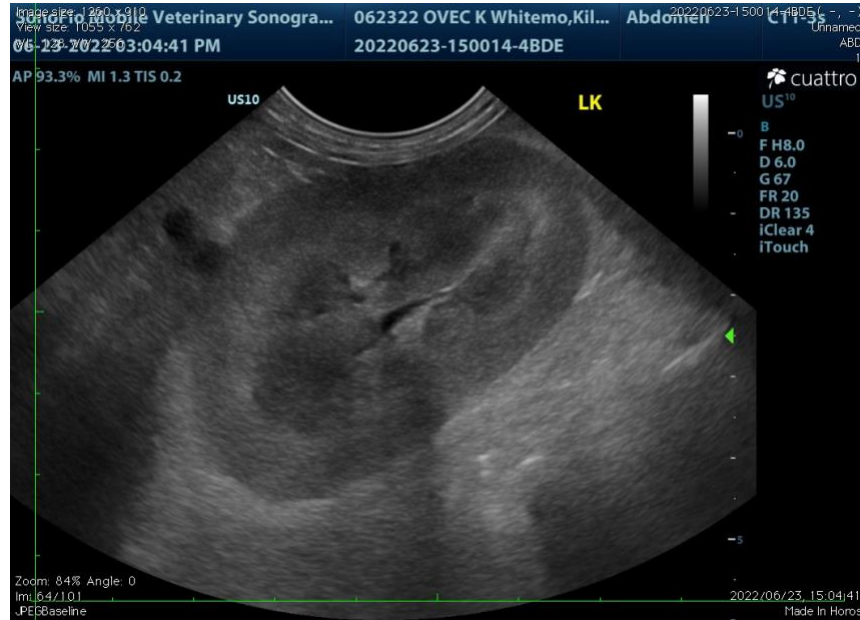
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IMAGES

Left kidney



Liver





PATIENT Gall bladder

Killer Whitmore

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SEX

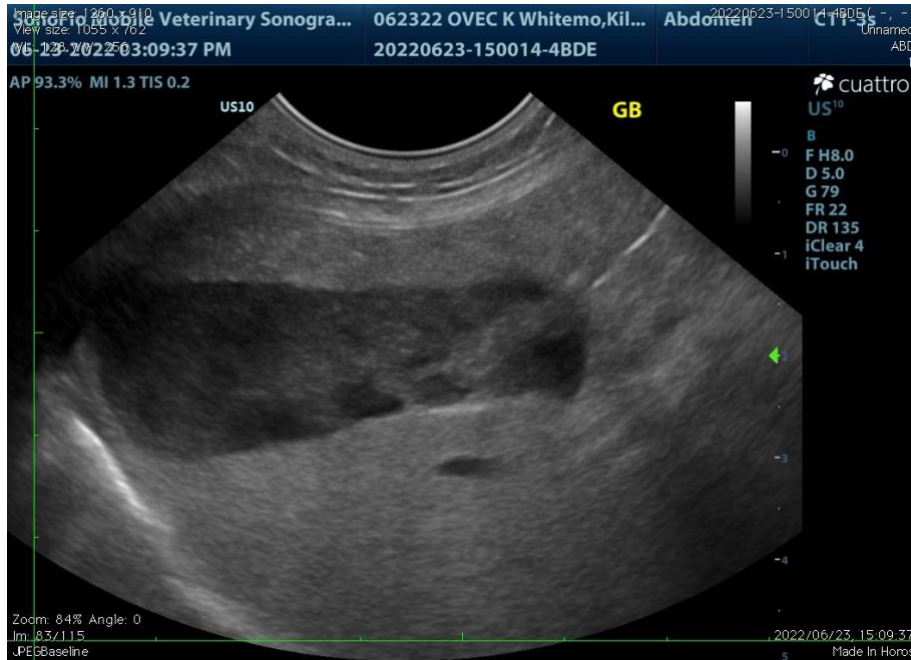
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Pancreas

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PATIENT Urinary bladder

Killer Whitmore

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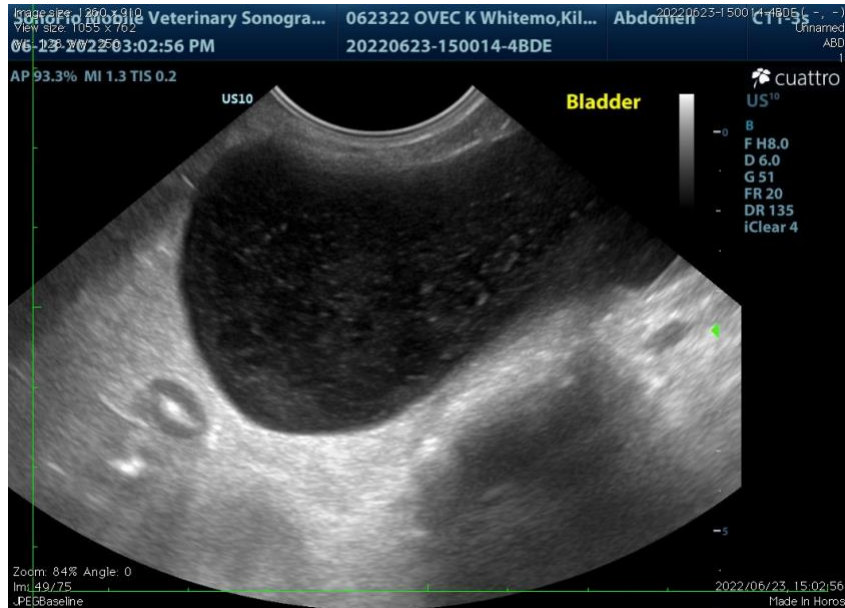
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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