


PATIENT PRESENTING CLINICAL SIGNS

Vega MacNeil suspected liver mass.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine Urinary System

The urinary bladder is well distended with anechoic contents. The wall is smooth and regular. No abnormalities are noted with the trigone or proximal urethra, and there is no evidence of sediment, cystoliths, polyps or a mass.

BREED

Boxer

Kidneys
SEX

Neutered Male

The **left** kidney measures 6.75 cm. The capsule is smooth, however, the cortex is mildly hyperechoic and a mild loss of the normal definition of the cortico-medullary junction is present. Mineralizations of the diverticulae and pelvis are present, without evidence of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic. Blood flow is difficult to assess due to panting artifact.

AGE

9 Years

The **right** kidney measures 7.30 cm. Findings are similar to the left kidney. A round, anechoic structure, with a smooth, thin wall, measuring 3.24 cm in diameter x 3.07 cm in length, is visualized at the caudal pole, within the medulla. It is avascular when evaluated with colour Doppler, and is most consistent with a cyst.

WEIGHT

42 kg

Aortic bifurcation/trifurcation

No abnormalities observed.

Adrenal Glands
INTERPRETED BY

Lisa Carioto, DVM,
 DVSc, Diplomate
 ACVIM

The **left** adrenal gland measures 0.72 cm at the cranial pole, 0.69 cm at the caudal pole and 2.46 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

IMAGING PERFORMED BY

Kelly Reschny

The **right** adrenal gland measures 0.65 cm at the cranial pole, 0.69 cm at the caudal pole and approximately 2.00 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

HOSPITAL NAME

Lynden AC

Spleen

The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.

REFERRING VET

Dr. Babcock

Liver

Hepatomegaly is suspected, however, this is better characterized at the time of the ultrasound or with radiographs. The liver's borders are smooth and sharp. The liver's echotexture is mildly coarse and granular. It is within normal limits in echogenicity. Mild perivascular cuffing is observed, which is most likely due to deposition of fat, and possibly some mineralization and fibrosis. Focal lesions are not noted. Hepatic congestion is not visualized.

INVOICE

37309

The gallbladder wall is within normal limits in thickness and echogenicity. A trivial amount of echogenic material is present within the GB. There are no obvious signs of an obstruction.

DATE

4/29/22



PATIENT *Gastrointestinal*

Vega MacNeil The gastric wall is within normal limits in thickness and the wall layers are well defined. No obvious abnormalities are observed with its peristalsis.

SPECIES The small intestinal wall thickness, including the duodenum, is within normal limits and the definition of the wall layers is preserved. Abnormally dilated loops of bowel are not observed.

Canine

The colonic wall is not thickened and mural detail is considered normal.

BREED There are no obvious signs of a mass, foreign body, infiltrative disease or an obstruction in the gastrointestinal tract.

Boxer

Pancreas

SEX

No overt abnormalities are observed with the parenchymal echogenicity or echotexture. There is no evidence of hyperechogenicity of the surrounding mesentery, i.e., signs of active pancreatitis are not present.

Neutered Male

Other

AGE

Lymph nodes

9 Years

No abnormalities are observed

WEIGHT

Abdominal effusion is not visualized.

42 kg

Heart/Thorax

Obvious signs of pleural and pericardial effusion are not noted in the small portion of the thorax observed.

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ULTRASONOGRAPHIC FINDINGS

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- There are no obvious signs of hepatic neoplasia or a neoplasm of any organ on today's abdominal ultrasound. Boxers are deep chested dogs and subtle abnormalities may be missed, particularly if a patient is panting. If a mass is still strongly suspected, despite the negative findings, the ultrasound may be repeated under sedation.
- The mildly coarse or granular echotexture is considered within normal limits for a dog of Vega's age, however, a reactive hepatopathy may be playing a small role in the sonographic changes observed.
- The anechoic structure observed within the medulla at the caudal pole of the right kidney is most consistent with a cyst.
- Bilateral renal changes are suggestive of age-related degeneration. Blood work, including a SDMA, and a urinalysis are suggested to monitor renal function.
- The cranial pole of the left adrenal gland is at the high end of the normal reference range, however, no abnormalities are observed with its architecture, echogenicity or echotexture. Further diagnostic tests are not required based on these findings unless Vega is demonstrating clinical signs suggestive of hyperadrenocorticism.

HOSPITAL NAME

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PATIENT

Vega MacNeil

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No further recommendations at this time. However, further suggestions may be made depending on results of Vega's physical exam findings and blood work results.

SPECIES

Canine

BREED

Boxer

SEX

Neutered Male

AGE

9 Years

WEIGHT

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**IMAGING
PERFORMED BY**

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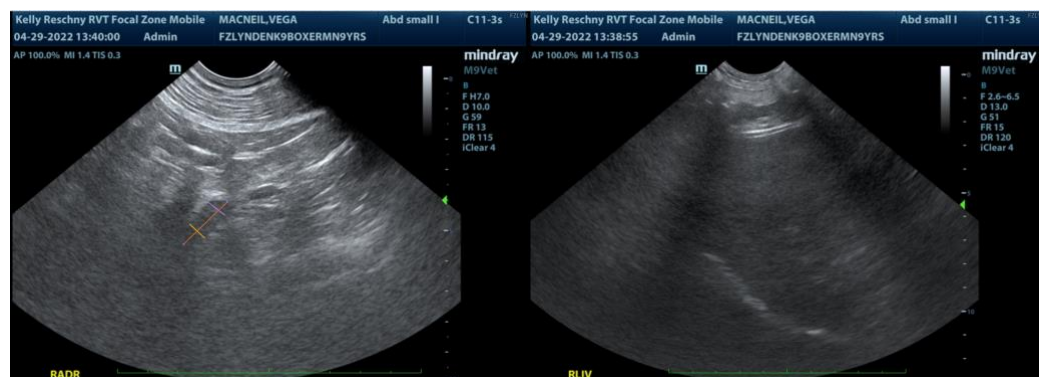
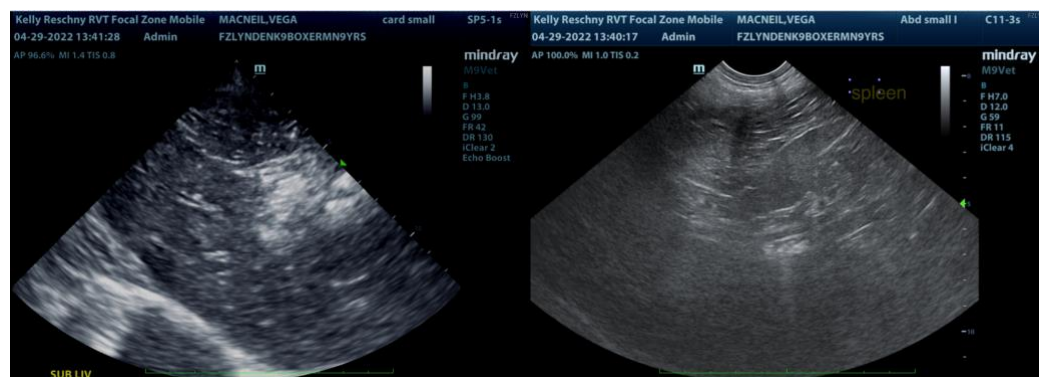
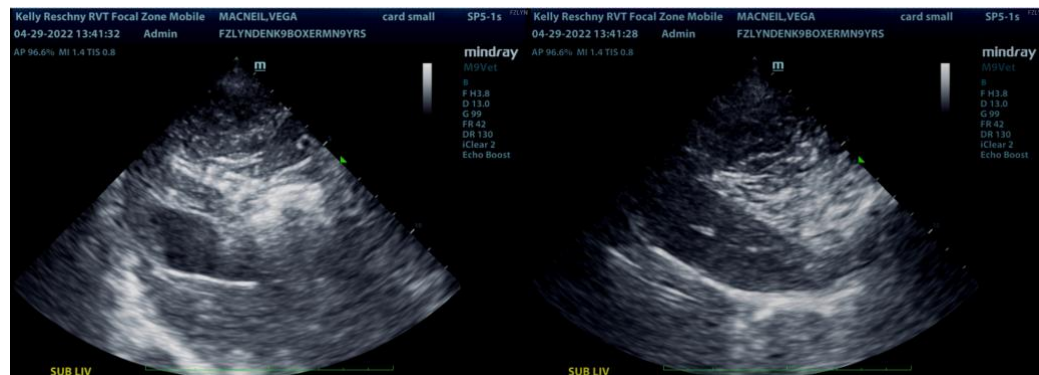
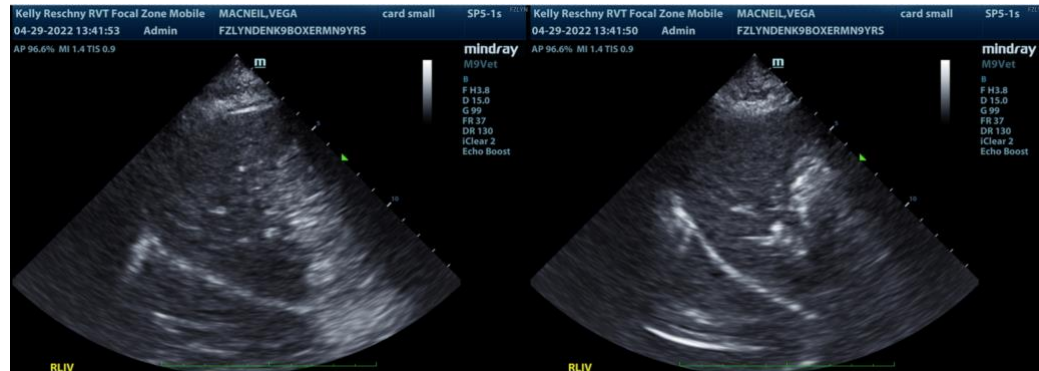
Dr. Babcock

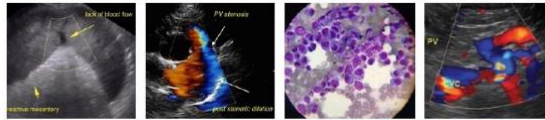
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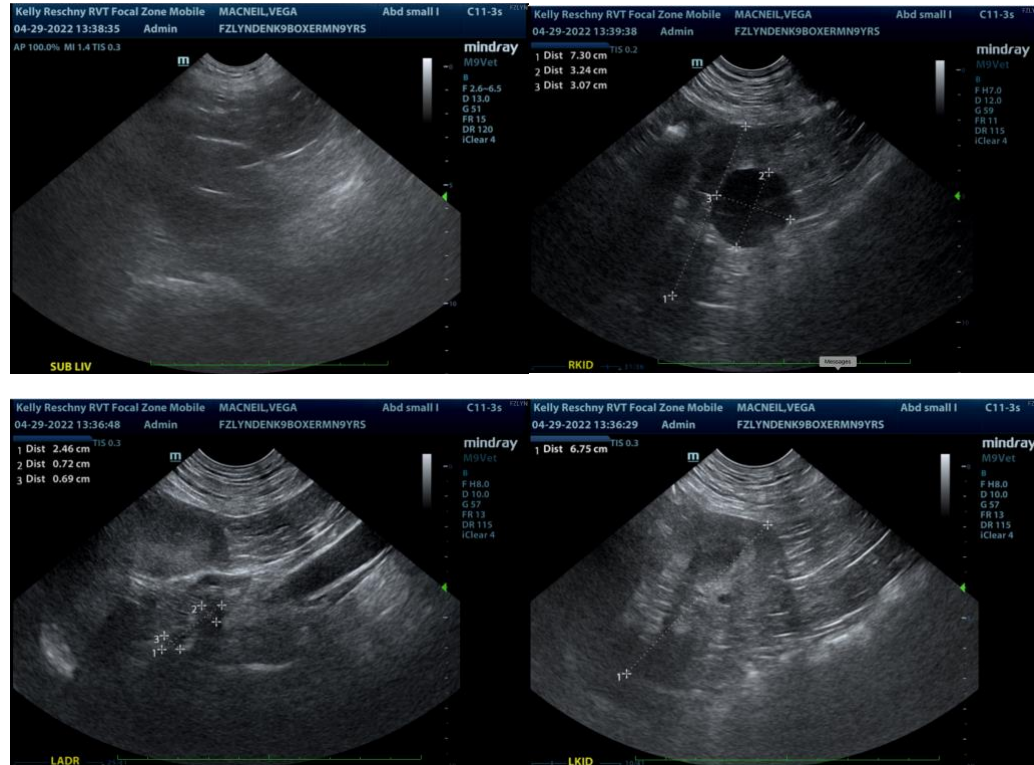
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com