



PATIENT PRESENTING CLINICAL SIGNS

Nacho Wagner

History: mass under right eye; abdominal met check today prior to surgical removal
Abnormal PE/Chem/CBC/UA Results:

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Mix

Urinary System

The urinary bladder is mildly distended. The wall is normal in thickness with a smooth mucosal surface. A 0.45 cm cystic calculus is observed within the lumen. The region of the trigone and the visible portion of the proximal urethra are normal.

SEX

Neutered Male

The prostate is normal in size (0.80 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

AGE

9 years

The left kidney is normal in size (6.10 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild loss of corticomedullary distinction. A small cortical cyst is observed at the caudal aspect. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

Not provided

The right kidney is normal in size (6.10 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild loss of corticomedullary distinction. A small cortical cyst is observed at the caudal aspect. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

INTERPRETED BY

Andrea Nicastro,
DVM, Diplomate ACVIM
(Small Animal Internal
Medicine)

Adrenal Glands

The left adrenal gland is normal size; (0.26 cm at cranial pole) (0.21 cm at caudal pole) (1.45 cm in length) normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Diane McFadden

The right adrenal gland is normal in length (0.83 cm at cranial pole) (0.36 cm at caudal pole) (1.23 cm in length); with a flattened contour; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

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Spleen

The spleen is normal in size (1.25 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. A 0.44 cm hypoechoic nodule is observed at the lateral aspect. One to two small myelolipomas are observed in the region of the hilus. Splenic vasculature is normal.

REFERRING VET

Dr Hargadon

Liver

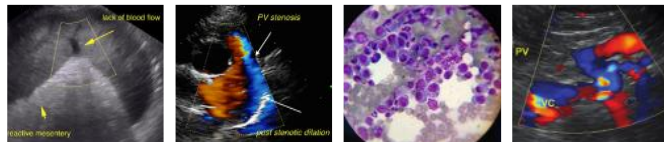
The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed.

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10326

DATE

2/11/22



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The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

SPECIES

Canine

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is mildly distended with fluid and chyme. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive or overt infiltrative disease is noted.

BREED

Mix

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

SEX

Neutered Male

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

AGE

9 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

Not provided

Primary Findings

- Small cystic calculus

Secondary Findings

- Bilateral degenerative renal changes with dystrophic mineralization
- The flattened left adrenal gland may be a normal variant for this patient or may be secondary to early atrophy (i.e, secondary to hypoadrenocorticism). Correlation with clinical findings is recommended.
- The hypoechoic splenic nodule trends toward the benign (i.e, a focus of lymphoid hyperplasia or extramedullary hematopoiesis), with a lower possibility of emerging neoplasia.

** There is no obvious evidence of metastatic disease in the abdomen

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

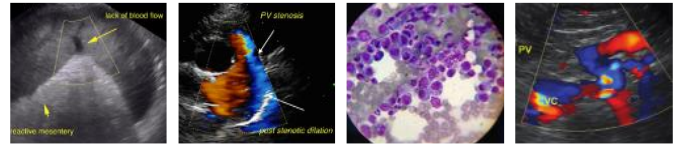
- Three-view thoracic radiographs are recommended to complete the metastatic check
- A cystotomy with stone removal, analysis and culture is recommended. Alternatively, medical dissolution of the stones can be considered with a prescription renal diet and broad-spectrum antibiotic therapy. If there is no improvement in stone size after 4 weeks of therapy, a cystotomy should be reconsidered. If the stone size is reduced, continue therapy until complete dissolution has been achieved.

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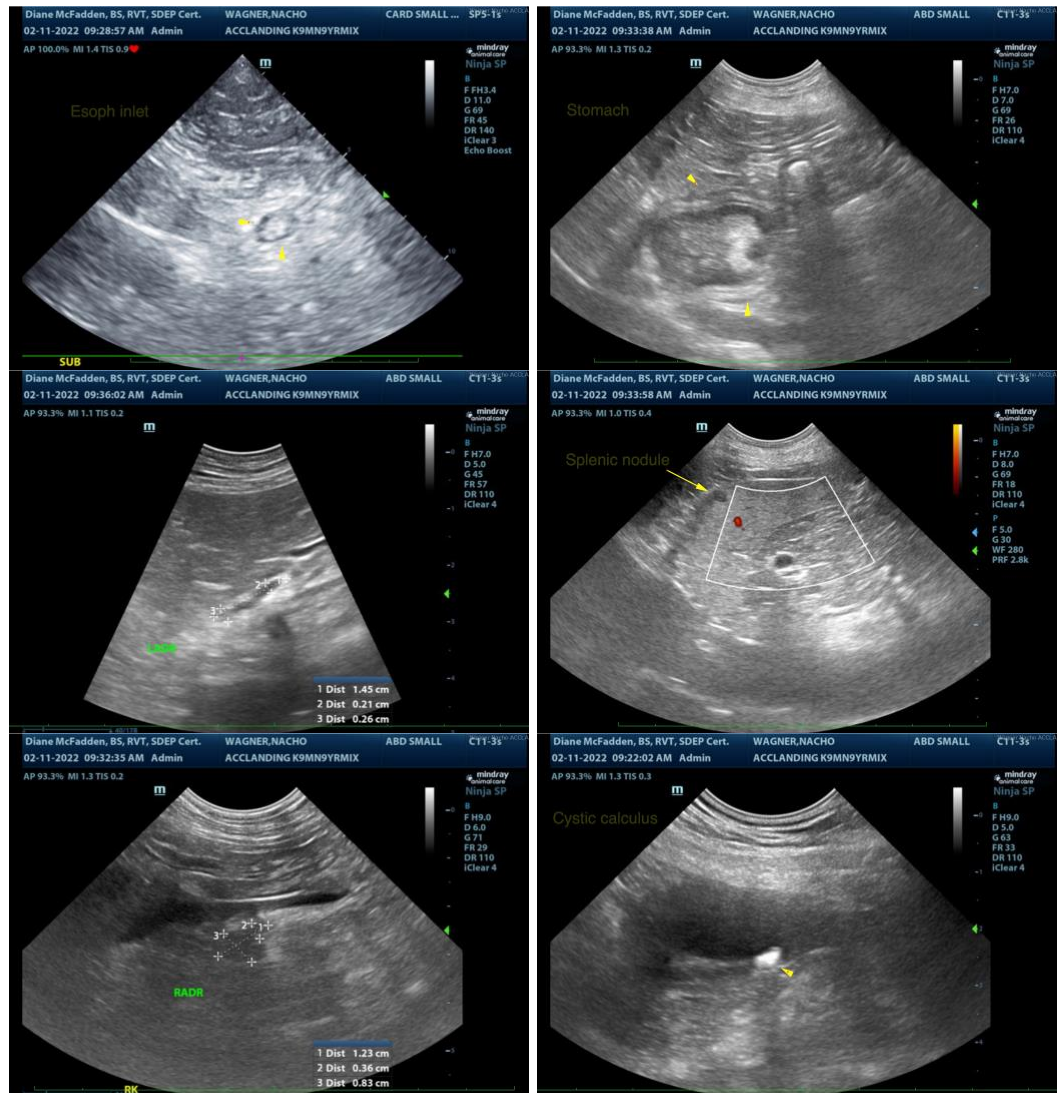
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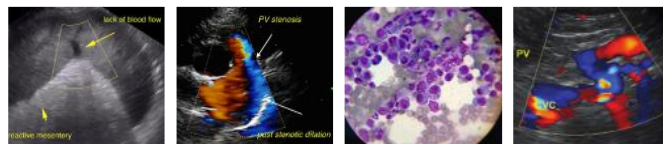
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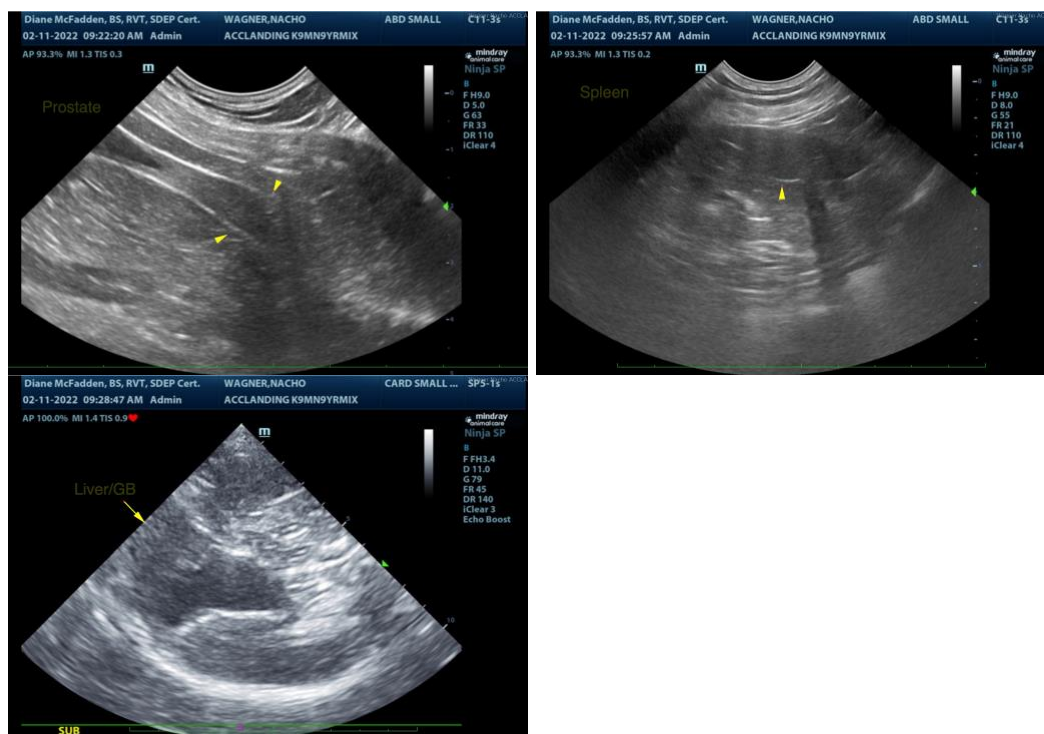
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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