



PATIENT PRESENTING CLINICAL SIGNS

Gia Torres History: Presented for an abdominal ultrasound as a referral for evaluation of abdominal pain and distention, and panting. Radiographs showed hepatomegaly, and questionable splenomegaly. Referring vet wanted to evaluate for possible liver or splenic masses

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: Bloodwork showed: Normal ALP and ALT. Elevated Total protein 8.9g/DI (5.4-8.2), Alb 4.2 g/dL , Globulin 4.7 g/dL. CBC: HCT 61% (37-55) Hemolysis index 3+ and lipidimia index 3+

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Yorkshire Terrier

Urinary system

The urinary bladder, trigone and pelvic urethra present normal findings without evidence of uroliths or sediment. Wall layering is intact on all views without focal or diffuse thickening. Ureters are not visualized and considered to be normal. No evidence of an inflammatory or neoplastic process are noted.

SEX

Spayed Female

AGE

9 Years

Both kidneys are inconspicuous with an age-appropriate fuzzy corticomedullary transition. Renal pelvises and exits to the ureters are unremarkable.

Adrenal glands

Both adrenal glands present a hyperechoic lesion with mild enlargement of the cranial pole (3.7 mm on the left, 5.3 mm on the right). This causes mild asymmetry in both.

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

Spleen

Splenic margins are mildly rounded. Splenic echogenic texture is homogeneous without protrusions of the capsule. Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins. There are multiple but small hyperechoic perivascular infiltrates noted in the hilus region. Beside that small hyperechoic and clearly defined subcapsular nodules are recognized (- 5.5 mm).

HOSPITAL NAME

Paseos VC

REFERRING VET

Dr. Andrea Montanez

Liver/Gallbladder

Liver echogenic texture appears generally and mildly hyperechoic and is inhomogeneous and coarse. There is no evidence of nodular lesions noted.

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The gallbladder shows a moderate amount of sludge with a single hyperechoic calculus of 5.3 mm. The gallbladder wall is unremarkable without signs of a relevant florid process or cholestasis.

Gastrointestinal

DATE

10/11/21



PATIENT The stomach is empty and indicates multiple distal shadows. Gastric wall is inconspicuous, the small intestine and colon present intact wall layers being normal in width and echogenicity. Adjacent mesentery and fat tissue are of normal appearance. There is no overt evidence of an ileus, a florid or even neoplastic process.

Gia Torres

SPECIES Mesenteric, epigastric and portal lymph nodes are considered to be normal.

Canine

Pancreas

The right parts of the pancreas adjacent to the duodenum appear hyperechoic and inhomogeneous with an indicated distal shadowing.

BREED

Yorkshire Terrier

Free Abdomen

No peritoneal or retroperitoneal effusion. Abdominal fat and great vessels show no pathological findings.

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ULTRASONOGRAPHIC FINDINGS

AGE PRIMARY

9 Years

- Hepatopathy with inhomogeneous echogenic texture
- Hyperechoic right pancreas
- Hyperechoic lesion of the cranial pole right/left adrenal gland

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SECONDARY

- Mild unspecific splenomegaly with multiple perivascular hemangiomas and subcapsular myelolipomas
- Gallbladder stone, sludge
- Chronic and bilateral nephropathy
- Indicated calcification of the gastric wall

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasonographic findings of the liver could speak for a chronic liver disease such as chronic hepatitis, vacuolar liver disease and/or fatty infiltration. There are no signs of nodular or focal changes that are suspicious for neoplasia.

REFERRING VET

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Pancreatic changes must be correlated with the clinical presentation. Residual and chronic pancreatitis is likely. The distal shadowing could represent active inflammation as well as scar tissue with mild calcifications.

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Asymmetry of both adrenal glands could represent hyperplasia due to pituitary-dependent hyperadrenocorticism, small myelolipomas or initial neoplasia. Final assessment is a matter of the temporal evolution. Sonographic monitoring of the adrenal glands is recommended (in 8 weeks). FNA of the liver, ACTH stimulation and urinary testing could be performed next.

SPECIES

Canine

Splenic findings are age appropriate and not suspicious for neoplasia.

Changes of the kidneys are bilateral. I suggest they are normal age-related changes.

BREED

Yorkshire Terrier

The gallbladder sludge and the single stone are incidental findings since there are no signs of an active inflammatory process or cholestasis present.

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The indicated gastric wall mineralization may be due to chronic gastritis. Hyperadrenocorticism again should be ruled out.

AGE

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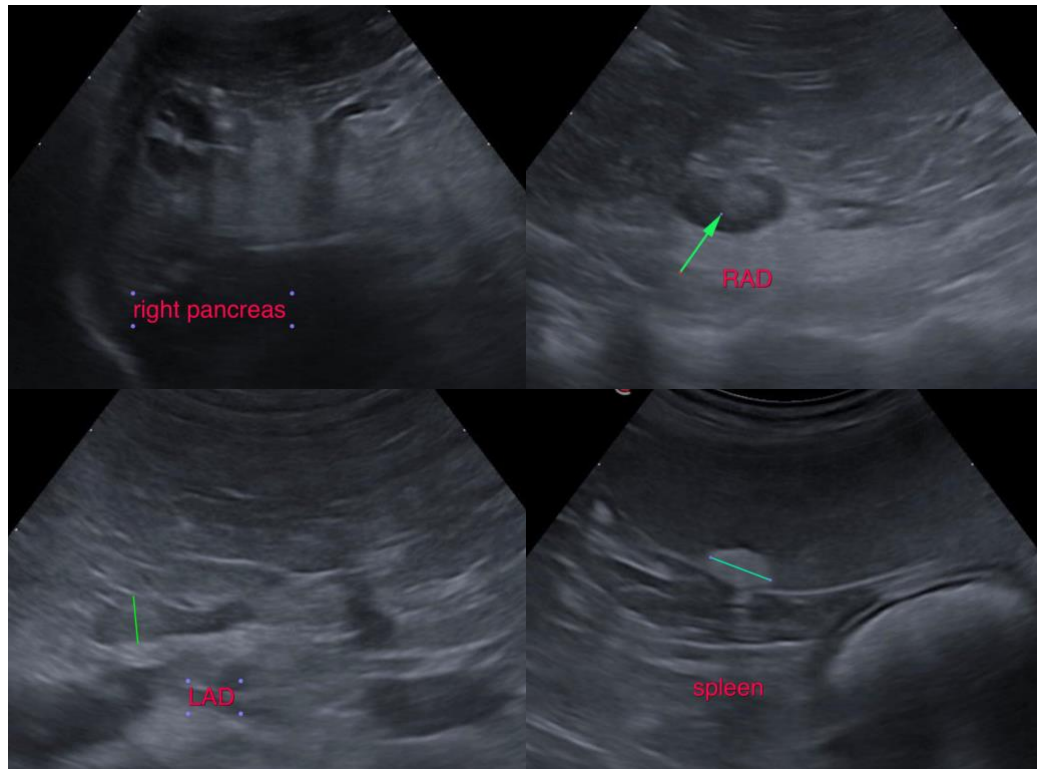
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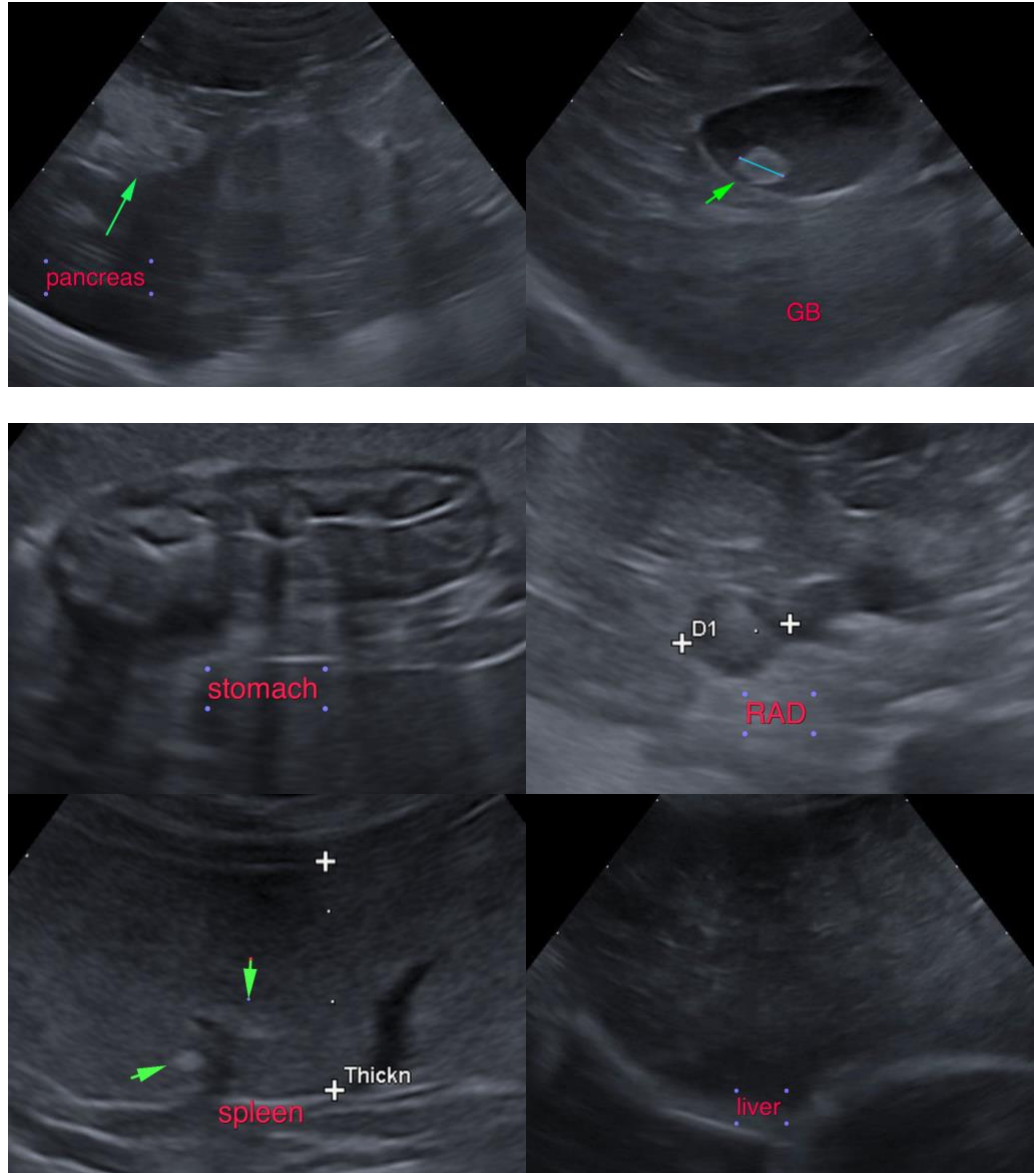
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
info@sonopath.com



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