



PATIENT PRESENTING CLINICAL SIGNS

Bella All Sato Rescue
SPECIES History: The patient came in for a U/S re-check on the patient's adrenal glands. Previously performed on 2/16/2021, the assessment was: Liver - consistent with steroid and vacuolar hepatopathy R/O hepatitis, cholangiohepatitis, and neoplastic process. Left adrenal gland: suggesting adenoma or early adenocarcinoma or pheochromocytoma. Pt is clinical for Cushing's at this time with PU/PD and enlarged abdomen, but previous test showed: LDDST 8/31/2021 after 4& 8hrs <0.5, baseline 4.7 LDDST 2/4/2021 4&8hrs < 0.5 baseline 2.8
Canine

BREED Abnormal PE/Chem/CBC/UA Results: no labs were performed today

Mix Poodle
ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary system

SEX 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.
Spayed Female

AGE Both kidneys present a hyperechoic cortex and medulla with loss of the corticomedullary definition. The subcapsular region reveals a tiny hypoechoic rim on both sides. Renal pelvises and exits to the ureters are unremarkable. The left kidney measures 4.41 cm in length, the right 4.57 cm.
10 Years

INTERPRETED BY

Sebastian Jawinski,
 German Board
 Certified Vet Specialist
 in Diagnostic Imaging

Adrenal glands

The left adrenal gland is highly asymmetric with a hyperechoic nodule of the cranial pole measuring 1.56 x 1.11 cm. The caudal pole is inconspicuous. The adjacent vasculature is unremarkable. The right adrenal gland is normal.

HOSPITAL NAME

Paseos VC

Spleen

The spleen shows diameters of 1.2 cm. Splenic margins are moderately rounded. There are several hypoechoic, inhomogeneous and rounded, nodular-like lesions (- 0.67 x 0.52 cm) with a sharp margination and without protrusions of the capsule recognized.

REFERRING VET

Dr. Carrasquillo

Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins.

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Liver/Gallbladder

The liver echogenic texture appears generally and moderately hyperechoic. Evidence of nodular or focal changes is not visible. Subtle rounding of the liver edges is suspected.

DATE

10/11/21



PATIENT The gallbladder shows a small amount of sludge. The gallbladder wall appears mildly thickened without signs of cholestasis.

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Gastrointestinal

SPECIES The stomach, 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.

Canine

BREED

Mesenteric lymph nodes are mildly enlarged but inconspicuous in shape and periphery.

Mix Poodle

Pancreas

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. Signs of inflammatory changes or focal lesions are missing.

SEX

Spayed Female

Free Abdomen

There is no evidence peritoneal or retroperitoneal effusion noted. Abdominal fat and great vessels show no pathological findings.

AGE

10 Years

ULTRASONOGRAPHIC FINDINGS

PRIMARY

- Mass-like lesion of the cranial left adrenal pole without signs of vessel invasion
- Mild hepatomegaly and -pathy
- Hyperechoic kidneys with an ill-defined corticomedullary transition and a hypoechoic subcapsular rim

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SECONDARY

- Unspecific splenomegaly with small hypoechoic nodules
- Sludge with mild thickening of the gallbladder wall
- Mild mesenteric lymphadenomegaly, incidental

REFERRING VET

Dr. Carrasquillo

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasonographic findings of the left adrenal gland are highly suspicious for adrenal neoplasia. Currently aggressive growth with invasion of the adjacent vessels is not recognized. Differentials include adenoma, -carcinoma and pheochromocytoma.

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PATIENT Bella All Sato Rescue
 Ultrasonographic findings of the liver are commonly seen with lipidosis, chronic liver disease and infiltrative disease. Ultrasound is not straight forward here, but I would rule out neoplasia and favor lipidosis. Steroid hepatopathy would match with hyperadrenocorticism and or diabetes.

SPECIES Canine
 Changes of the kidneys are bilateral and unspecific. They must be correlated with the clinical presentation and blood/urine results. Findings may represent age-related changes but are also seen with renal failure.

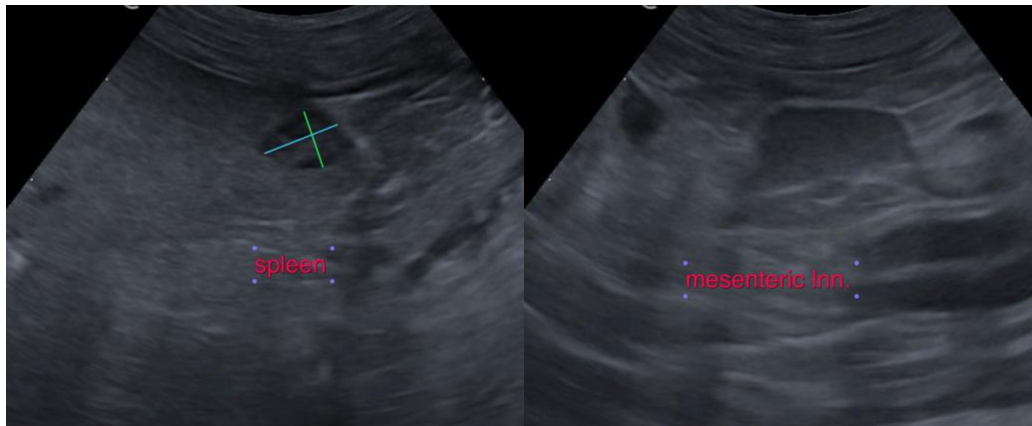
BREED Mix Poodle
 Splenomegaly is an unspecific finding and commonly is secondary to systemic inflammatory/infectious disease and immune stimulation. The hypoechoic nodules I assume are incidental currently and not compellingly metastasis. The spleen should be rechecked in 6 weeks to evaluate constancy in size and number. Possible differentials include but are not limited to nodular hyperplasia, hematomas, hemangiomas but metastasis and hemangiosarcoma as well.

SEX Spayed Female
 Changes of the gallbladder represent mild and chronic cholecystitis without signs of a cholestasis. This finding must be correlated with the clinical presentation (murphy sign?) and with the time of the last meal.

AGE 10 Years
 FNA of the liver, ACTH stimulation and urine testing could be performed next. Please rule out diabetes.

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PATIENT

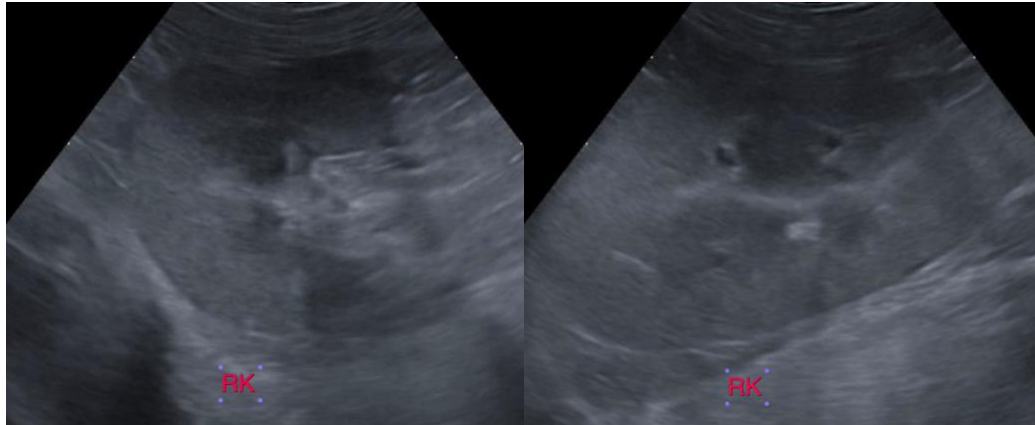
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SPECIES

Canine

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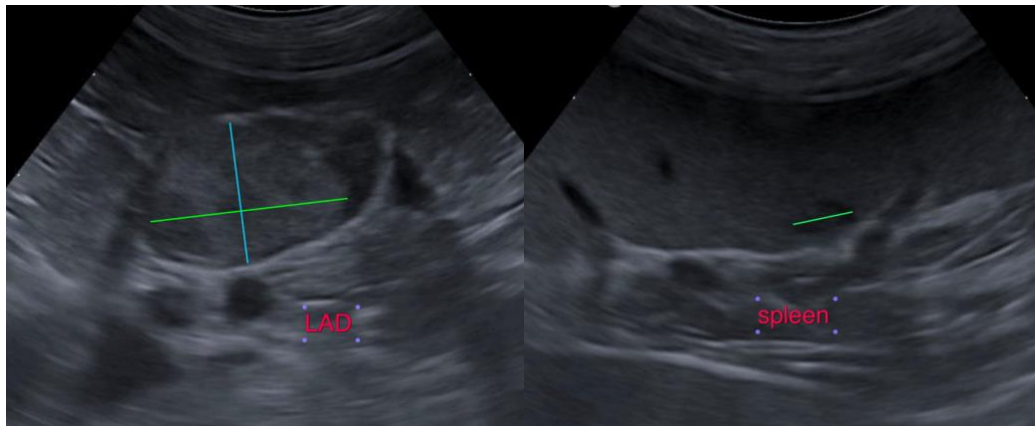


SEX

Spayed Female

AGE

10 Years



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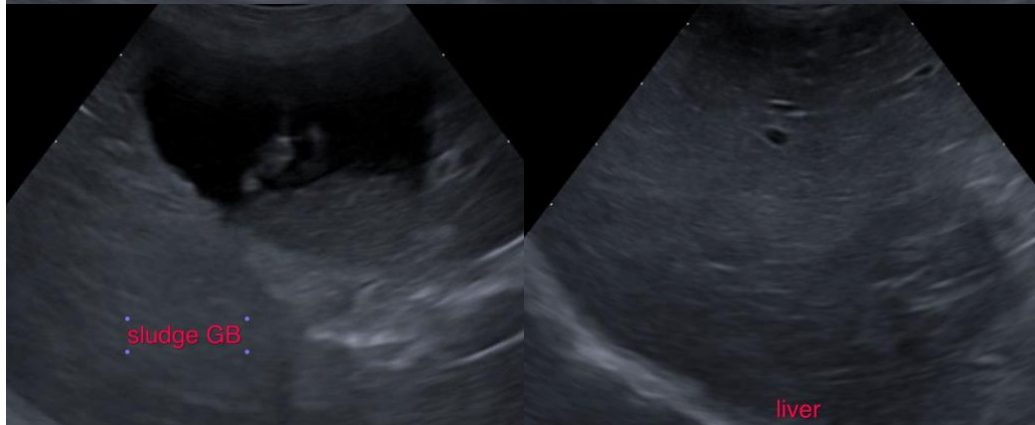
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

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