



PATIENT

Brandi McGarrah

SPECIES

Canine

BREED

Pomeranian

SEX

FS

AGE

8 years

WEIGHT

4.6 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Brent Crutchfield,
DVM

HOSPITAL NAME

Treasure Coast
Animal Emergency

REFERRING VET

Dr Cail

INVOICE

302920

DATE

4/20/22

PRESENTING CLINICAL SIGNS

History: Pancreatitis and hyperglycemia.

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

Small urinary bladder with a normal appearance and thickness of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (both 4.3 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

Right – normal shape, echogenic appearance, size (0.45 cm), and position.

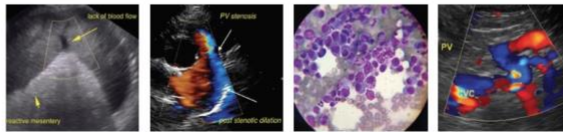
Left – normal position and echogenic appearance but enlarged with a hyperechogenic nodule in the caudal pole (1.6 cm).

Spleen

Normal size (0.6 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted

Liver

Normal size with a diffuse mottled echogenic-to-nodular appearance, and some loss of portal markings. Nodules are small and parenchymal. No masses evident. Full gall bladder containing moderate amount of adherent and non-adherent hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.



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Gastrointestinal

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (jejunum 0.14 cm) and peristalsis, and no distension of the lumen.

Pancreas

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

No mesenteric lymphadenomegaly.
No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary findings:

- Nodular hepatopathy
- Left adrenomegaly.

Secondary findings:

- Gall bladder sediment.
- Age-related renal changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

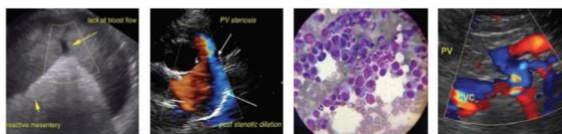
Etiologies for the nodular hepatopathy would be reactive, nodular regeneration, chronic hepatitis, early cirrhosis, granulomatous hepatitis, and infiltrative neoplasia.

Etiologies for the left adrenomegaly would be incidental non-functional adenoma, functional adenoma, emerging carcinoma (functional or non-functional) and emerging pheochromocytoma.

Although the gall bladder sediment is an incidental finding, emerging mucocele needs to be considered.

Further assessment would be liver enzyme activity, bilirubin, albumin, FNA cytology of the liver and adrenal nodule, adrenal function testing (ACTH stimulation/LDDS test), blood pressure, and possibly catecholamine assay.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy for the liver and gall bladder would be ursodiol.



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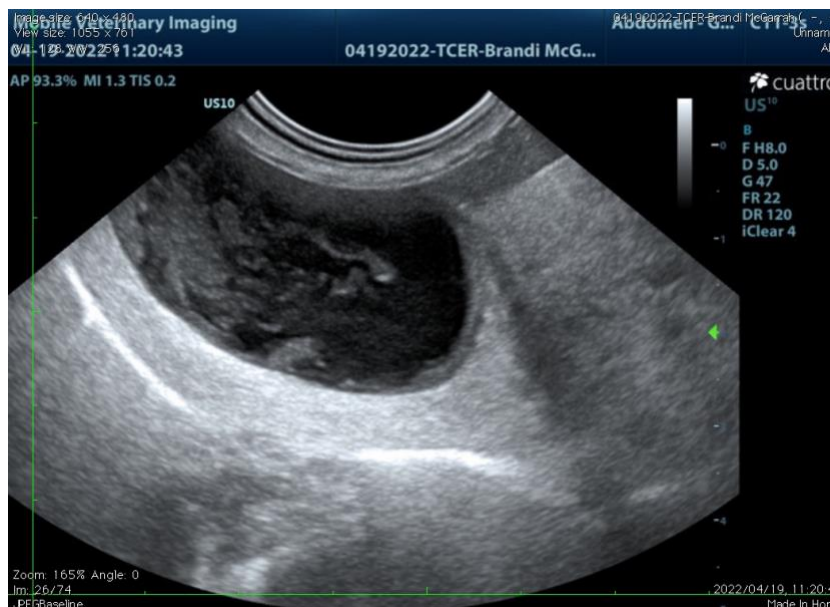
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IMAGES

Liver



Gall bladder





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Left adrenal



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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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za