



PATIENT PRESENTING CLINICAL SIGNS

Abby Santana History: Heart disease – well controlled on pimobendan. Asymptomatic progressive increase in liver enzyme activity. Long term denamarin therapy and more recently ursodiol. Hepatic nodules and gall bladder sediment on previous ultrasound (9/1/22).

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

AGE

12 years

WEIGHT

11.8 #

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

Dr Oms, DVM

INVOICE

303855

DATE

2/3/23

Physical Examination: N/A.

Urinalysis: SG 1.040.

CBC: N/A.

Serum Biochemistry: Elevated liver enzyme activity and cholesterol.

Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance 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 (left 4.1 cm, right 4 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 1.11 x 0.31 cm, right 1.33 x 0.49 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted. Incidental myelolipomas.

Liver

Normal size, echogenic appearance, portal markings, and curvilinear capsule. Two focal round parenchymal well circumscribed hyperechogenic nodules in the cranial right lobe (1.7 x 2.5 cm, 1.1 x 1.6 cm). Irregular hypoechogenic cavitary parenchymal nodule (1.5 x 3.1 cm) in the left cranial lobe. No masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.



PATIENT *Gastrointestinal*

Abby Santana Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.

SPECIES *Pancreas*

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

BREED *Free Abdomen*

Terrier Mix No mesenteric lymphadenomegaly.
No ascites.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

AGE Primary Findings:

- Hepatic nodules.

WEIGHT Secondary Findings:

- Gall bladder sediment.

11.8 #

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

From the previous ultrasound, an additional nodule has developed as well as progressive increase in the size of hepatic nodules, with one becoming cavitory in appearance. Likely etiologies would be nodular hyperplasia, granulomas, and neoplasia.

IMAGING PERFORMED BY

The elevated liver enzyme activity can be ascribed to the hepatic nodules.

Dr Megan Cassels-Conway,
DVM

Further assessment would be FNA cytology of the hepatic nodules. Tru-Cut/wedge biopsy of the nodules may, however, be required for a final etiological diagnosis.

HOSPITAL NAME

Central Broward Animal
Hospital

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be to continue with the current denamarin and ursodiol.

REFERRING VET

Dr Oms, DVM

INVOICE

303855

DATE

2/3/23



PATIENT IMAGES

Abby Santana **Liver**

SPECIES 9/1/22

Canine

BREED

Terrier Mix

SEX

FS

AGE

12 years

WEIGHT

11.8 #

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

Dr Oms, DVM

INVOICE

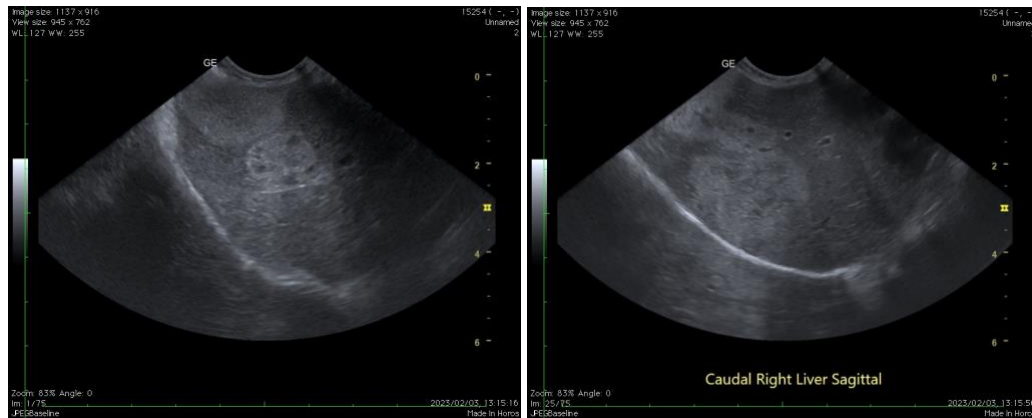
303855

DATE

2/3/23



2/3/23





PATIENT

Abby Santana

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

AGE

12 years

WEIGHT

11.8 #

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

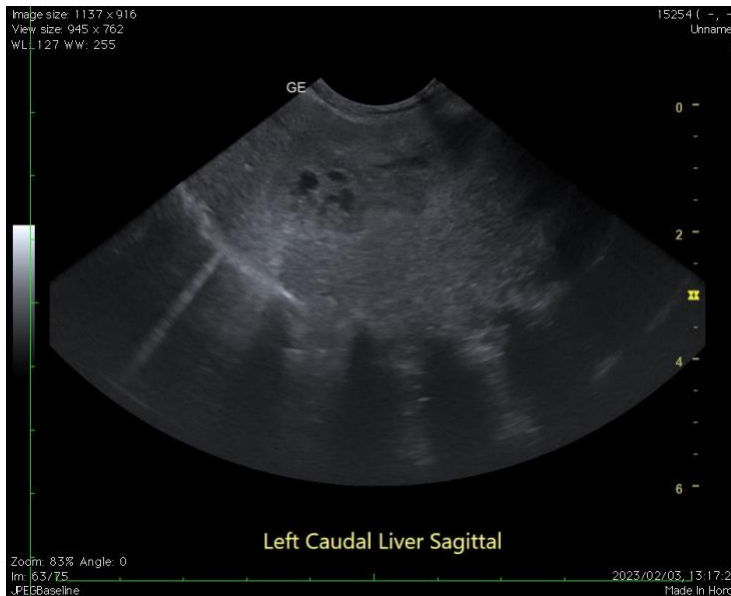
Dr Oms, DVM

INVOICE

303855

DATE

2/3/23



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