



PATIENT PRESENTING CLINICAL SIGNS

Abby Santana History: Heart disease – well controlled on pimobendan. Asymptomatic progressive increase in liver enzyme activity.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.051.

BREED CBC: N/A.

Terrier Mix Serum Biochemistry: Elevated liver enzyme activity and cholesterol.

Radiographic Findings: N/A.

SEX

FS

AGE

11 years

WEIGHT

13.8 #

INTERPRETED BY

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

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 4.3 cm, right 5.2 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 1.53 x 0.43 cm, right 1.5 x 0.5 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 nodules in the cranial left lobe – one with a hypoechogenic appearance (1.2 x 2.1 cm) and the other one with a hyperechogenic appearance (1.6 x 2 cm). No masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

IMAGING PERFORMED BY

Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

Dr Oms, DVM

INVOICE

303370

DATE

9/2/22



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

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ULTRASONOGRAPHIC FINDINGS

AGE Primary Findings:

- Hepatic nodules.

WEIGHT Secondary Findings:

- Gall bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatic nodules would be nodular hyperplasia, granulomas, organized hematomas, and neoplasia.

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Although expansion of the hepatic nodules can result in the elevated liver enzyme, primary hepatopathy as well secondary from the cardiac disease would need to be considered.

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DVM

Further assessment would be FNA cytology of the hepatic nodules as well as the liver.

HOSPITAL NAME

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be ursodiol.

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PATIENT IMAGES

Abby Santana **Liver**

SPECIES

Canine

BREED

Terrier Mix

SEX

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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.

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