



**PATIENT PRESENTING CLINICAL SIGNS**

Lia Roman History: P presented for second opinion of Ascites

Abnormal PE/Chem/CBC/UA Results: CREA 2.4 BUN 39 PHOS 3.5 ALT 156 TBIL 2.6 CHOL 74 K 3.3 WBC 23.23

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED Urinary system**

Mixed 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

Both kidneys are inconspicuous with a clear corticomedullary definition. Renal pelvises and exits to the ureters are unremarkable.

**AGE**

9 Years

**Adrenal glands**

Both adrenal glands are normal.

**Spleen**

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

The spleen presents multiple hyperechoic, well-defined, nodular-like lesions. Splenic surface/capsule is undulating but smoothly marginated.

**Liver/Gallbladder**

The liver presents severe changes with a highly nodular surface and appears highly inhomogeneous. All liver parts are affected.

**HOSPITAL NAME**

Paseos VH

The gallbladder is mildly filled and shows a hyperechoic, thickened wall without signs of relevant sludge or cholestasis.

**REFERRING VET**

Dr. Carrasquillo, DVM

**Gastrointestinal**

The stomach, the small intestine and colon present intact wall layers being normal in width and echogenicity.

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

**Pancreas**

**DATE**

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**PATIENT** All pancreatic parts displayed show normal echogenicity with regard to the present ascites. Signs of inflammatory changes or focal lesions are missing.

Lia Roman

**Free Abdomen**

**SPECIES** The is moderate free peritoneal fluid recognized. The mesentery and abdominal fat appear hyperechoic due to the ascites.

Canine

**ULTRASONOGRAPHIC FINDINGS**

**BREED** **Primary**

- Severe nodular-like changes of all liver parts
- Moderate ascites

**SEX** **Secondary**

- Spayed Female
- Undulating splenic surface/capsule with multiple hyperechoic nodules
- Hyperechoic, thickened gallbladder wall

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

9 Years

Ultrasonographic findings are highly suspicious for advanced liver cirrhosis. Portal hypertension with consecutive ascites is assumed. Liver changes are severe and generally of bad prognosis. Treatment of a chronic hepatitis/inflammatory hepatopathy (prednisolone, antibiotics, spironolactone, hepatic diet) may improve clinical symptoms and reduce ascites. Liver neoplasia is unlikely but cannot be fully excluded.

**INTERPRETED BY**

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I do not suspect splenic neoplasia. The hyperechoic, well-defined nodules are likely myelolipomas/hemangiomas. The undulating capsule is commonly seen with chronic structural changes and are well recognized due to the ascites.

**HOSPITAL NAME**

Paseos VH

Changes of the gallbladder represent chronic cholecystitis without signs of cholestasis.

**REFERRING VET**

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**PATIENT**

Lia Roman

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

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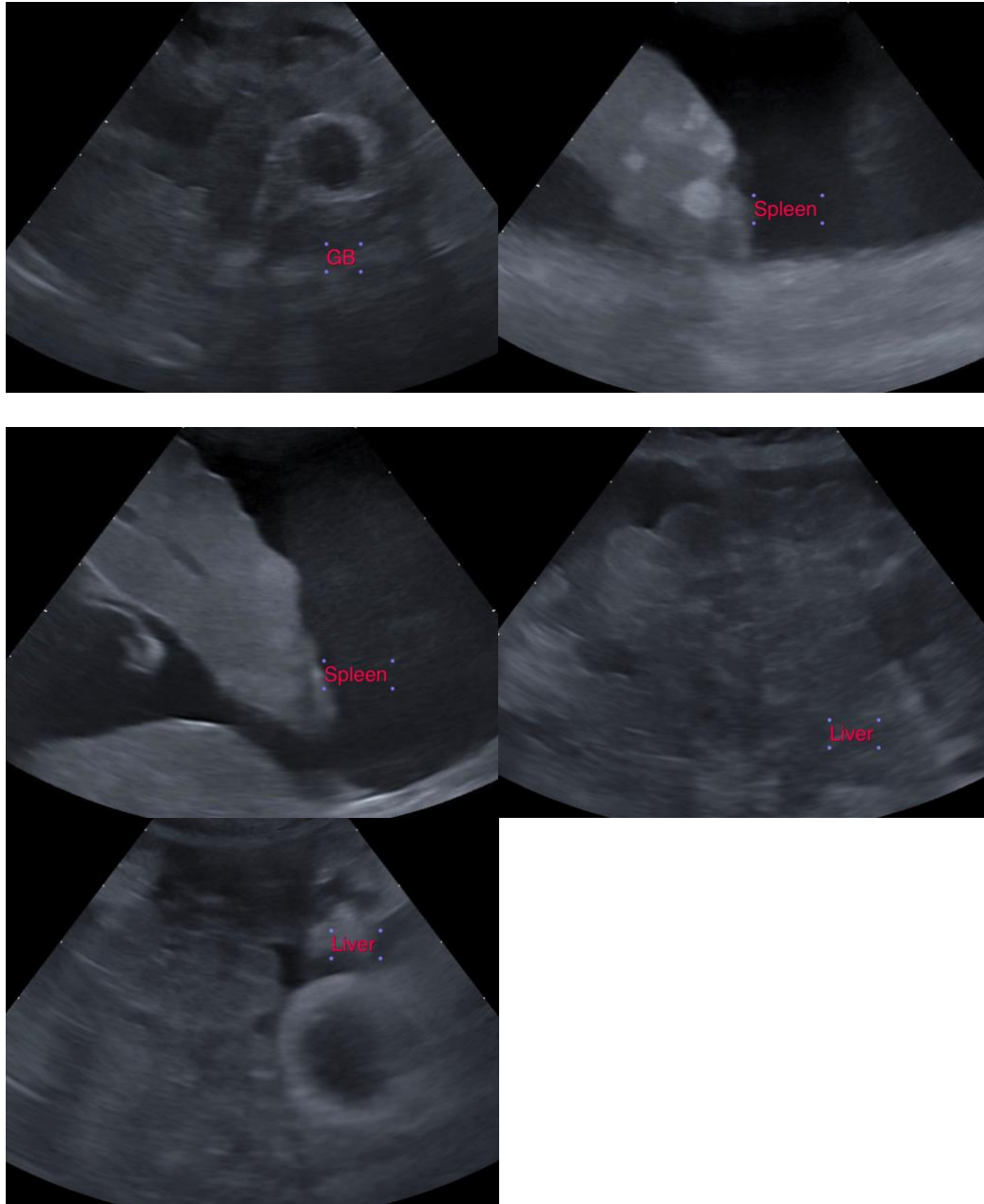
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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**SPECIES**

Canine

**BREED**

Mixed

**SEX**

Spayed Female

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