

## PATIENT

Rocco Ceballos

## SPECIES

Canine

## BREED

Shiba Inu

## SEX

Neutered Male

## AGE

13 Years

## WEIGHT

43.8 Pounds

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert IVUSS

## IMAGING PERFORMED BY

Denise Bruno, LVT,  
RDMS

## HOSPITAL NAME

Mobile Vet Unit

## REFERRING VET

Dr. Nachamie

## INVOICE

36851

## DATE

4/12/22

## PRESENTING CLINICAL SIGNS

abdominal distention (ascites), heart murmur - Echo pending Med: Rimadyl 25mg 1 tab/day; Tramadol 50mg 1/2 tab Bid; Phenobarbital 100mg 1/2 tab/day. Labs normal Limbs with edema

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 5.67 cm. The left kidney measured 5.61 cm.

### Adrenal Glands

The **adrenal glands** were not visualized.

### Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted. The spleen was floating in the ascites.

### Liver

The **liver** revealed multifocal coalescing parenchymal masses. The gallbladder and common bile duct were unremarkable. No evidence of passive congestion.

### Gastrointestinal

The **gastrointestinal tract** was unremarkable other than floating in the ascites.

### Pancreas

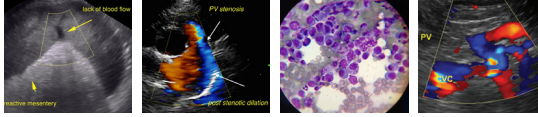
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

### Free Abdomen

Large amount of ascites noted. Large amount of echogenic debris and abdominal distention.

## ULTRASONOGRAPHIC FINDINGS

- Diffuse hepatic neoplastic pattern – suspect carcinomatosis or similar
- Ascites – owing to lymphatic obstruction or portal hypertension.



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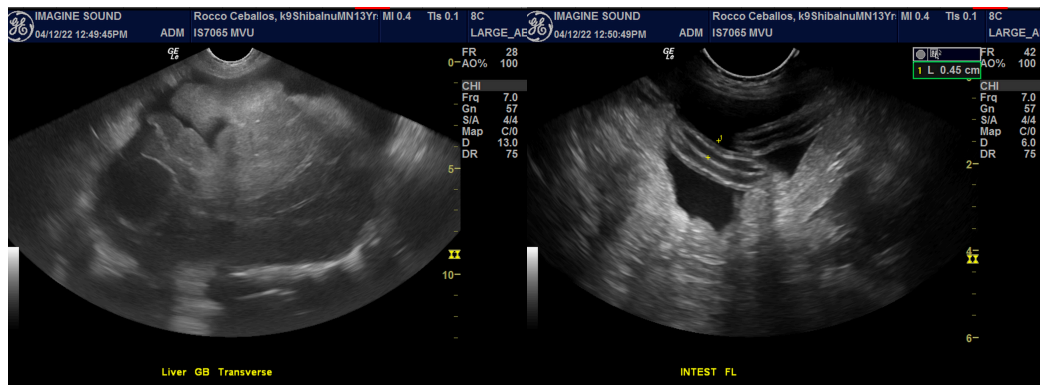
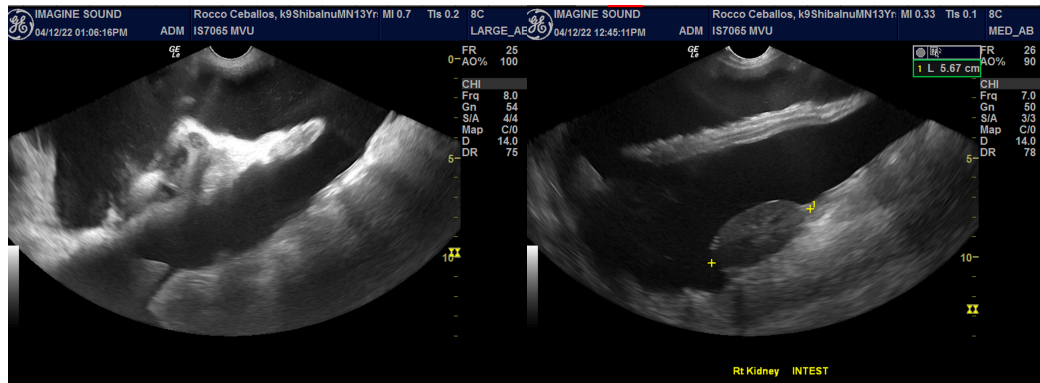
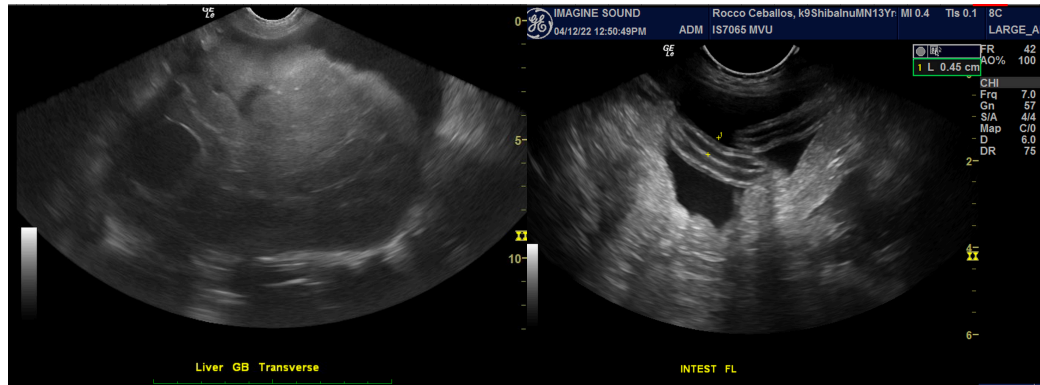
Mobile Vet Unit

**REFERRING VET**

Dr. Nachamie

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Abdominocentesis and cytospin of the free fluid warranted and FNA of the liver pathology. Hepatic neoplasia versus cirrhosis.

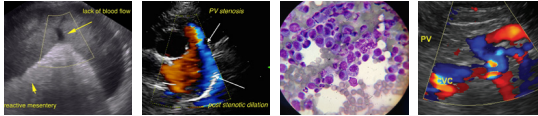


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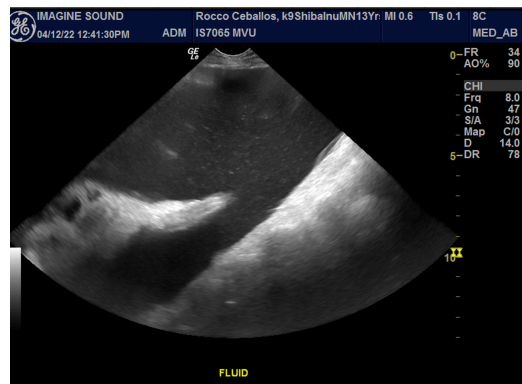
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)