



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Madison Drapak	History: Presented on exam today for PU/PD and bloated abdomen. Radiographs demonstrated a mass like effect in the cranial abdomen on rads and an enlarged liver on rads. Gave gabapentin and trazodone for ultrasound.
<b>SPECIES</b>	
Feline	Abnormal PE/Chem/CBC/UA Results: Pending
<b>BREED</b>	
Shepherd Mix	
<b>SEX</b>	
Female Spayed	
<b>AGE</b>	
10 years	
<b>WEIGHT</b>	
55.8 lbs	
<b>INTERPRETED BY</b>	
Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM	
<b>IMAGING PERFORMED BY</b>	
Dr. Joan Gramazio	
<b>HOSPITAL NAME</b>	
Shohola VH	
<b>REFERRING VET</b>	
Dr. Joan Gramazio	
<b>INVOICE</b>	
13767	
<b>DATE</b>	
7.20.23	
	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
	<b>Urinary System</b>
	The urinary bladder is small, with a normal thickness and smooth appearance of the wall (0.30 cm). Normal anechoic urine with no sediment or uroliths evident.
	Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.
	Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.
	Normal renal size (left kidney 5.50 cm) (right kidney 5.40 cm), architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident.
	<b>Adrenal Glands</b>
	Normal shape, echogenic appearance, size (left 0.66 cm x 0.72 cm) (right 0.60 cm), position, and appearance of the visible peri-renal vasculature.
	<b>Spleen</b>
	Normal size (2.30 cm) and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident.
	<b>Liver</b>
	Enlarged with rounded edges, a diffuse, mottled echogenic and nodular appearance, some loss of portal markings, and regular curvilinear capsule. Nodules are small, parenchymal and vary between hypo- and hyperechogenic in appearance. Focal, mottled, echogenic mass in the right lobe, adjacent to gallbladder (measuring 3.20 x 4.60 cm).
	<b>Gallbladder</b>
	The gallbladder is full, containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.
	<b>Gastrointestinal</b>
	Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen.
	<b>Pancreas</b>
	Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.
	<b>Free Abdomen</b>
	Normal mesenteric lymph nodes.



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No ascites evident.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Nodular hepatopathy
- Hepatic mass

**Secondary Findings**

- None

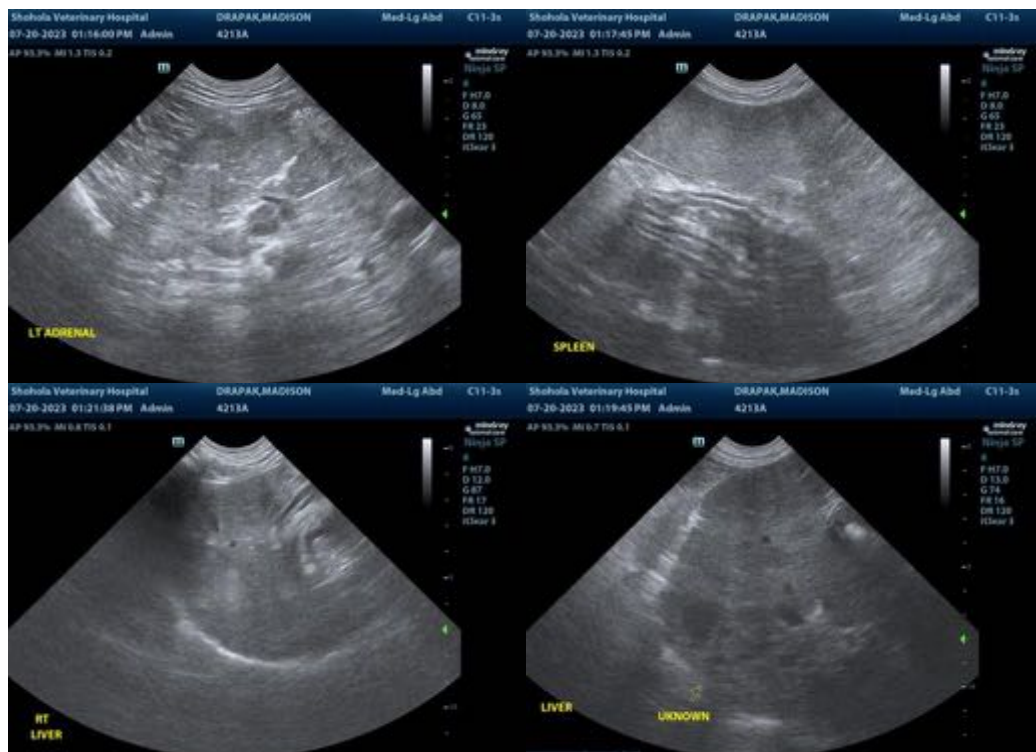
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the nodular hepatopathy would be reactive, vacuolar, nodular hyperplasia, chronic hepatitis, granulomatous disease, and infiltrative neoplasia.

Etiologies for the hepatic mass would be granuloma, organized hematoma, organized abscess and neoplasia.

Further assessment would be three-view thoracic radiographs and FNA cytology of the liver and hepatic mass. A Tru-cut or wedge biopsy of the liver and mass may however be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis.





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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)**  
[info@sonopath.com](mailto:info@sonopath.com)