



**PATIENT**

Star Finger

**SPECIES**

Canine

**BREED**

McNab

**SEX**

Spayed Female

**AGE**

13 Years 11 Months

**WEIGHT**

59 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Sarah Green

**HOSPITAL NAME**

Healing Spirit Animal  
Wellness

**REFERRING VET**

Sarah Green

**INVOICE**

15761

**DATE**

5/27/22

**PRESENTING CLINICAL SIGNS**

History: History of elevated liver enzymes, recent hyporexia. Nodular changes to the hepatic parenchyma note on prior scan performed 05/21. Splenectomy performed 11/20

Abnormal PE/Chem/CBC/UA Results: CHEM: ALP=322 (20-150) U/L, ALT=1133 (10-118) U/L, BUN=26 (7-25) mg/dL, Cr=1.6 (0.3-1.4) mg/dL, cholesterol=505 (125-270) mg/dL

**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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.0 cm. The right kidney measured 6.0 cm.

**Adrenal Glands**

The **adrenal glands** were not visualized.

**Spleen**

The region of the **splenic fossa** was unremarkable.

**Liver**

The **liver** revealed coarse architecture, heterogeneous parenchymal changes and irregular contour. Increased portal markings were noted. An overt cavitated mass was noted, occupying the right medial liver. Nodules with target type appearance noted elsewhere. The gallbladder and common bile duct were unremarkable.

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**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.

**ULTRASONOGRAPHIC FINDINGS**



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- Multifocal coalescing nodular hepatic changes with overt masses- FNA warranted
- Age-related renal changes

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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Metastatic disease from prior splenic pathology versus hepatocellular carcinoma. Pronounced nodular hyperplasia possible yet less likely, as well as hepatic abscessation. Sampling is essential in this case. Prognosis is very guarded, depending upon cytology results.

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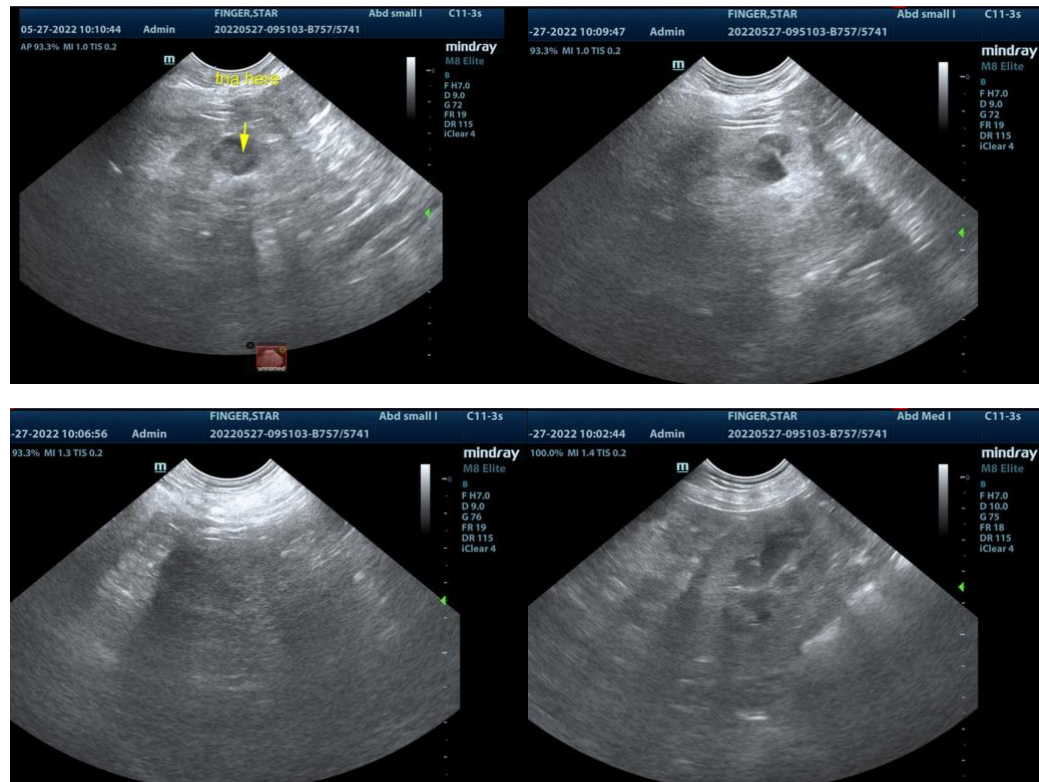
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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