



**PATIENT**

Lucy Silberstein

**SPECIES**

Canine

**BREED**

Hound Mix

**SEX**

Spayed Female

**AGE**

13 years

**WEIGHT**

68.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Summit Dog and Cat  
Hospital

**REFERRING VET**

Dr. Volger

**INVOICE**

97943

**DATE**

3/30/22

**PRESENTING CLINICAL SIGNS**

History: Liver and kidney elevations. Current meds: Amoxicillin 500mg  
Abnormal PE/Chem/CBC/UA Results: ALKP 380, ALT 86, BUN/UREA 51, Crea 2.3, GGT 45, HCT 24.2%, HGB 8.7, Monos 1.44, Neut 13.83, RBC 4.56, MCV 53.1, MCH 19.1, RDW 22.4%

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Occasional cortical cyst was noted in the kidneys. The right kidney measured 4.75 cm. The left kidney measured 6.23 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.82 x 0.87 cm at the caudal pole and 0.76 cm at the cranial pole. The right adrenal gland measured 3.3 x 1.61 cm at the cranial pole and 0.71 cm at the caudal pole.

**Spleen**

The **spleen** revealed multi-focal, expansive parenchymal, hypoechoic masses. The largest splenic mass measured 5.14 cm.

**Liver**

The **liver** revealed multiple, hypoechoic, expansive, disruptive metastatic lesions measuring up to 6.0 cm. The lesions had a target appearance. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.



**PATIENT**

**Gastrointestinal**

Lucy Silberstein

Examination of the **gastrointestinal tract** revealed a stomach free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Intestinal mass measured 4.7 cm with disruptive architecture.

**SPECIES**

Canine

**Pancreas**

**BREED**

Hound Mix

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.

**SEX**

Spayed Female

**ULTRASONOGRAPHIC FINDINGS**

Enhanced mesentery noted around the hepatic and splenic pathology.

**AGE**

13 years

Hepatic lymph node enlargement.

Intestinal mass.

**WEIGHT**

68.6 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Multi-centric aggressive neoplasia of the spleen, liver and intestines were noted. Immediate FNA and chemotherapeutic intervention is recommended. However, the prognosis is poor. Humane euthanasia should be considered.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Summit Dog and Cat  
Hospital

**REFERRING VET**

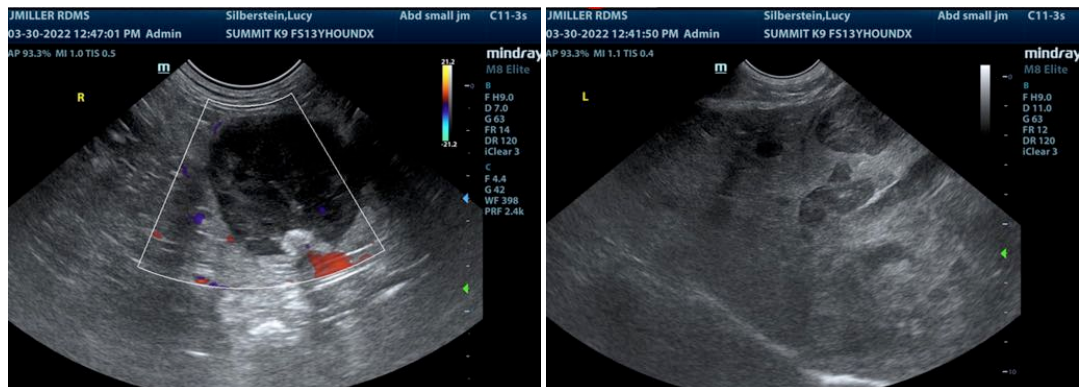
Dr. Volger

**INVOICE**

97943

**DATE**

3/30/22





**PATIENT**

Lucy Silberstein

**SPECIES**

Canine

**BREED**

Hound Mix

**SEX**

Spayed Female

**AGE**

13 years

**WEIGHT**

68.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Summit Dog and Cat  
Hospital

**REFERRING VET**

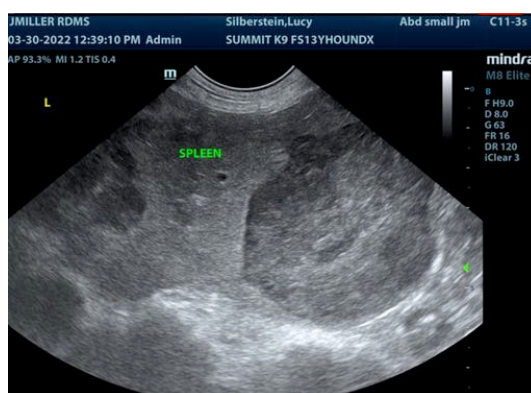
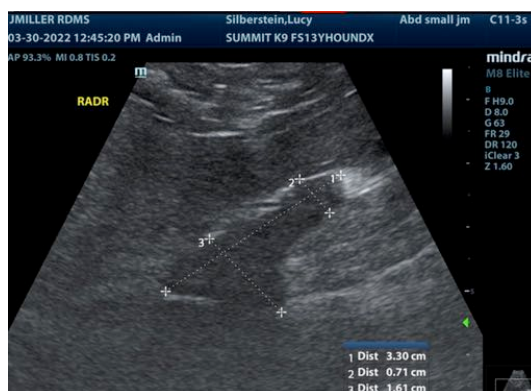
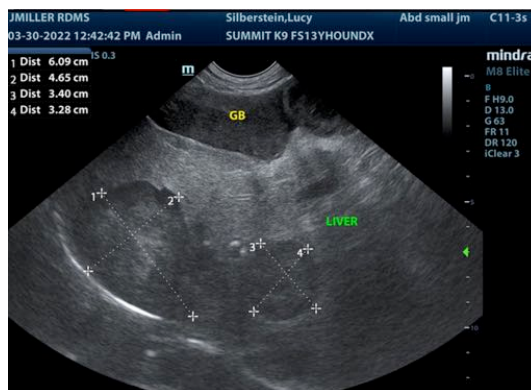
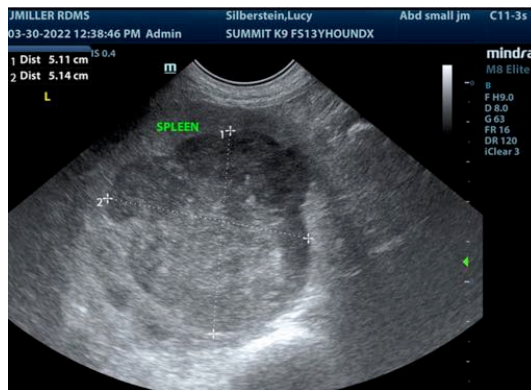
Dr. Volger

**INVOICE**

97943

**DATE**

3/30/22





**PATIENT**

Lucy Silberstein

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.

**SPECIES**

Canine

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

**BREED**

Hound Mix

**SEX**

Spayed Female

**AGE**

13 years

**WEIGHT**

68.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Summit Dog and Cat  
Hospital

**REFERRING VET**

Dr. Volger

**INVOICE**

97943

**DATE**

3/30/22