



**PATIENT**

Zimir Hundertmark

**SPECIES**

Canine

**BREED**

Basenji

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

10.28 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Erin Wicks

**HOSPITAL NAME**

Shores VEC

**REFERRING VET**

Dr. Lupole

**INVOICE**

14256

**DATE**

3/11/22

**PRESENTING CLINICAL SIGNS**

History: Presented at our hospital for AUS. Started last Dec, at annual visit found slightly raised Liver values, was put on Denamarin and rechecked bloodwork last week and values were much higher, rec AUS. Daughter passed due to liver Dz. Off food for a few days but is eating better now. Drinking + + +, has always been on a grain free diet. Previous Health Concerns: no Current Medications: Denamarin

Abnormal PE/Chem/CBC/UA Results: mm: tacky Rdm bloodwork 12/8/21: ALT 168; ALKP 214; GGTP 22; PLT 430; UA: Pro trace; Blood trace; RBC 4-10 Rdm bloodwork 3/5/22: AST 92; ALT 1508; ALKP 993; GGTP 59; Lepto Negative; UA: PH 5.0; Pro trace; Bili 2+; Accuplex neg x4

**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 pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 5.69 cm. The left kidney measured 5.17 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 2.13 cm x 0.44 cm at the cranial pole and 0.58 cm at the caudal pole. The right adrenal gland measured 2.06 cm x 0.58 cm at the cranial pole and 0.51 cm at the caudal pole.

**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. Cranial folding of the spleen was noted.

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or



**PATIENT**

Zimir Hundertmark

past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable. Comet tail lung pattern was noted through the diaphragm.

**Gastrointestinal**

**SPECIES**

Canine

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.

**BREED**

Basenji

**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.

**SEX**

Neutered Male

**ULTRASONOGRAPHIC FINDINGS**

- Geriatric abdomen- nonspecific
- Comet tail lung pattern
- Splenic fold

**AGE**

12 Years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

10.28 kg

No evidence of significant disease. Largely expected changes for this age patient. Possible alveolar pathology. Chest radiographs indicated. FNA of the liver could be considered for further definition of the ALT elevations. Acute on chronic inflammatory hepatopathy.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS



**IMAGING PERFORMED BY**

Erin Wicks

**HOSPITAL NAME**

Shores VEC



**REFERRING VET**

Dr. Lupole

**INVOICE**

14256

**DATE**

3/11/22



**PATIENT**

Zimir Hundertmark

**SPECIES**

Canine

**BREED**

Basenji

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

10.28 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Erin Wicks

**HOSPITAL NAME**

Shores VEC

**REFERRING VET**

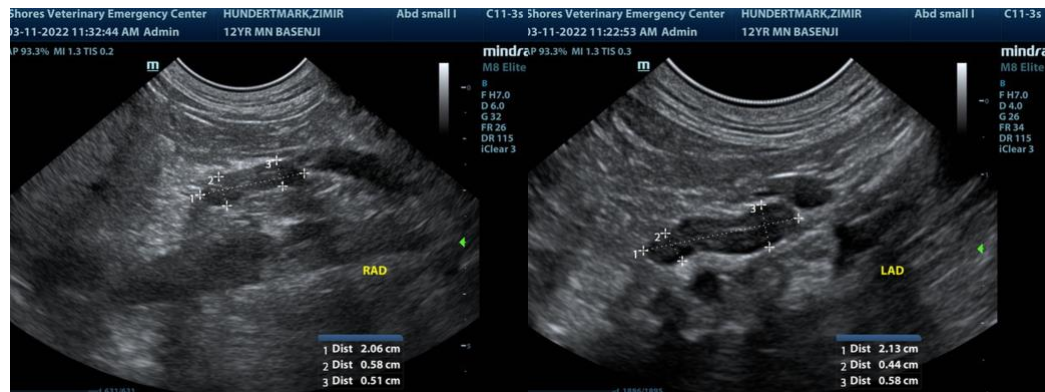
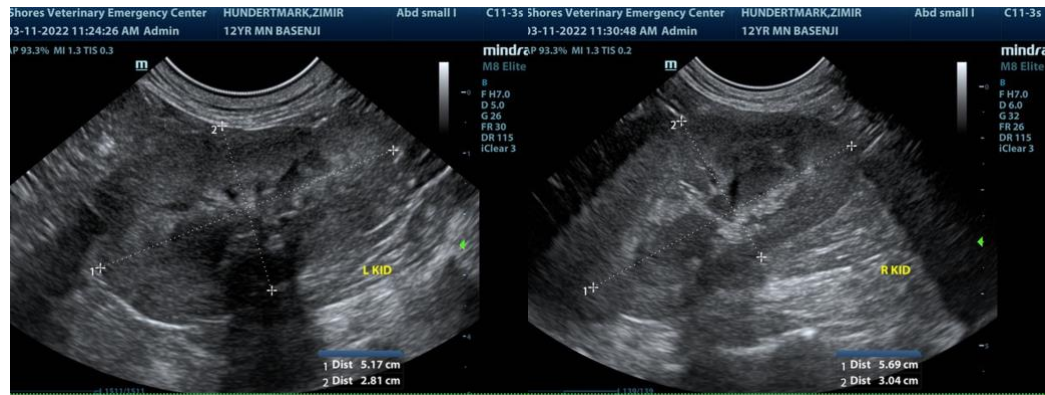
Dr. Lupole

**INVOICE**

14256

**DATE**

3/11/22



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  
info@SonoPath.com