



**PATIENT**

Teddy Kennedy

**SPECIES**

Canine

**BREED**

Golden Retriever Mix

**SEX**

Neutered male

**AGE**

14 years

**WEIGHT**

40.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Dorris

**INVOICE**

43833

**DATE**

4/12/23

**PRESENTING CLINICAL SIGNS**

History: P presented for lethargy, recent collapse, and history of hind limb lameness. PE revealed pale and tacky MM, general muscle wasting, and pyrexia of 104.6. BW showed mild kidney elevations, slight ALP elevation, and elevated amylase/lipase. HCT only 18% with suspected regeneration as WBC count elevated on machine. Single view radiograph was taken showed decreased serosal detail in cranial abdomen with possible mass-like summation effect in either liver or spleen

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

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 6.0 cm. The left kidney measured 5.0 cm.

**Adrenal Glands**

The left **adrenal gland** was 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 0.5 cm. The right adrenal gland was not visualized.

**Spleen**

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself caudally. This is a positional variant and is not pathological. There was no evidence of significant disease.

**Liver**

The **liver** in this patient was riddled with multiple, expansive, left-sided liver mass with multiple, expansive, irregular, disruptive nodular changes with areas of necrosis and proliferative disease and target type appearance. The gallbladder was deviated, yet structurally unremarkable. The hepatic lymph nodes were also enlarged and irregular. This is a diffuse process.



**PATIENT**

Teddy Kennedy

**SPECIES**

Canine

**BREED**

Golden Retriever Mix

**SEX**

Neutered male

**AGE**

14 years

**WEIGHT**

40.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Dorris

**INVOICE**

43833

**DATE**

4/12/23

**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**

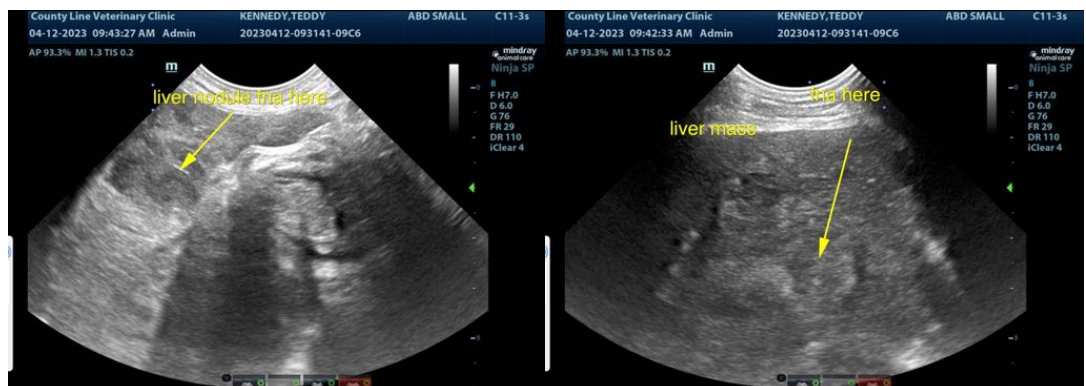
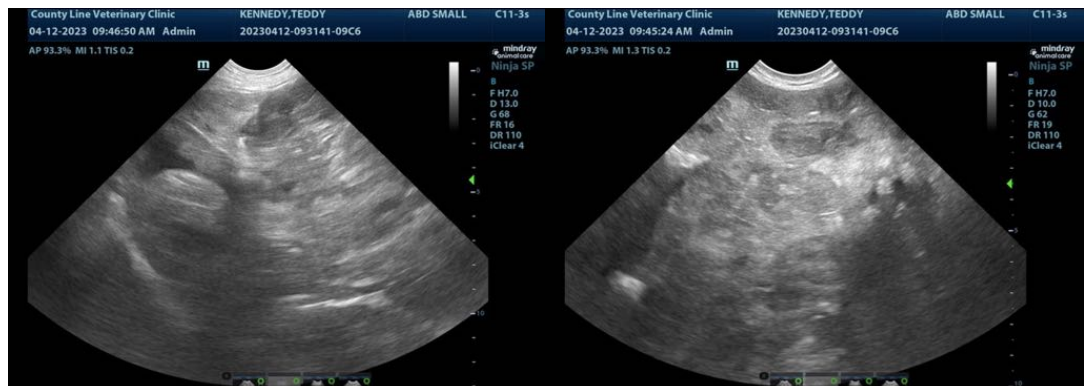
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

Diffuse hepatic neoplasia.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the liver is warranted for further definition. Sarcoma or metastatic disease is suspected. The prognosis is poor.





**PATIENT**

Teddy Kennedy

**SPECIES**

Canine

**BREED**

Golden Retriever Mix

**SEX**

Neutered male

**AGE**

14 years

**WEIGHT**

40.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Dorris

**INVOICE**

43833

**DATE**

4/12/23



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