



PATIENT	PRESENTING CLINICAL SIGNS
Zeus Field	20 lb weight loss, recently had vertigo episode, Abnormal PE/Chem/CBC/UA Results: Blood pending
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.
Husky x	
SEX	The prostate is unable to be well visualized in these images.
Neutered Male	The right kidney is normal is size (5.93 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
AGE	
14 Years	The left kidney is normal is size (5.33 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
WEIGHT	Adrenal Glands
42	The right adrenal gland is unable to be well visualized in these images.
INTERPRETED BY	The left adrenal gland is normal in size (0.80 cm at cranial pole and 0.70 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.
Beth Johnson, DVM DACVIM	Spleen
IMAGING PERFORMED BY	Spleen is subjectively large in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal. The spleen is folded upon itself, which is a positional non-pathologic variant.
JK	
HOSPITAL NAME	Liver
Hamburg Veterinary Clinic	Liver is subjectively enlarged with mildly irregular margins. Parenchyma is mildly heterogenous characterized by multiple poorly defined hypoechoic nodules within otherwise hyperechoic liver parenchyma. Visible vasculature and biliary tree appear normal without distension or congestion
REFERRING VET	
Dr. Branning	The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.
INVOICE	Gastrointestinal
72107	The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.
DATE	
11/25/25	The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen is mildly distended with echogenic non-shadowing luminal contents and gas consistent with normal ingesta/chyme. There is no evidence of obstruction, foreign material or infiltrative disease.



PATIENT	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
Zeus Field	
SPECIES	<i>Pancreas</i>
Canine	The pancreas that is observed appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.
BREED	<i>Free Abdomen</i>
Husky x	There is no visible free peritoneal effusion noted in these images.
SEX	There is no apparent pathologic lymphadenopathy noted in these images.
Neutered Male	
AGE	ULTRASONOGRAPHIC FINDINGS
14 Years	<ul style="list-style-type: none">Mildly heterogenous liver – These changes are most consistent with benign processes such as nodular hyperplasia, steroid (vacuolar) hepatopathy, extramedullary hematopoiesis or possibly chronic inflammatory disease and less commonly infiltrative round cell or metastatic neoplasia.
WEIGHT	<ul style="list-style-type: none">Mild splenomegaly– can be associated with congestion caused by sedation (if sedated) but can also be associated with diffuse infiltrative disease. Both benign conditions such as extramedullary hematopoiesis, lymphoid hyperplasia, as well as infiltrative neoplastic diseases such as round cell neoplasia should be considered.
42	
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Beth Johnson, DVM DACVIM	The changes above are subtle/mild without a definitive ultrasonographically visible intraabdominal explanation for patient's reported weight loss.
IMAGING PERFORMED BY	If not already evaluated, a thorough evaluation of daily caloric intake is recommended to assure an adequate daily caloric intake is occurring vs an inadvertent reduction in calories due to change in diet and/or feeding schedule, competitive eating environment, etc.
JK	
HOSPITAL NAME	If not recently evaluated, a general metabolic health screen (CBC, chemistry panel with electrolytes and urinalysis) is recommended.
Hamburg Veterinary Clinic	Further recommendations regarding weight loss are in large part dependent on patient's appetite. If patient's appetite is normal or even increased, then further evaluation of absorption and digestion is recommended, beginning with a gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory for further evaluation of GI and pancreatic function.
REFERRING VET	
Dr. Branning	
INVOICE	Otherwise, further evaluation for possible pain (dental, orthopedic, other), upper respiratory disease or oropharyngeal disease, cardiac disease and/or neurologic disease vs other as possible causes for decreased appetite and/or unintentional weight loss is also recommended.
72107	
DATE	Pending results of above, three view thoracic radiographs are recommended for further assessment of cardio-pulmonary status as well as to further evaluate for any evidence of metastatic disease, if not recently evaluated.
11/25/25	



PATIENT

Zeus Field

SPECIES

Canine

BREED

Husky x

SEX

Neutered Male

AGE

14 Years

WEIGHT

42

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg Veterinary
Clinic

REFERRING VET

Dr. Branning

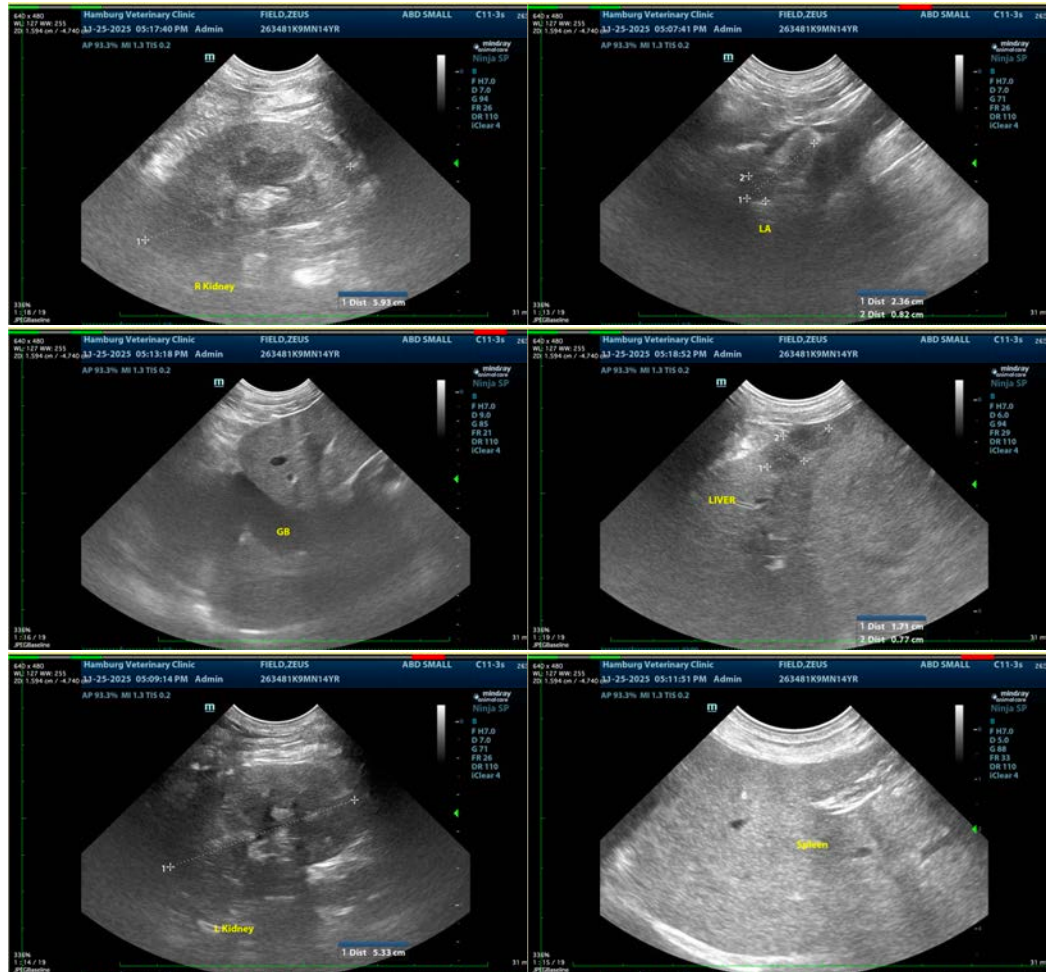
INVOICE

72107

DATE

11/25/25

Fine needle aspirates of the spleen +/- liver could be considered if patient's coagulation status is appropriate.



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.

Beth Johnson, DVM, DACVIM
info@sonopath.com