



PATIENT

Asher Sublett

PRESENTING CLINICAL SIGNS

History: Asher is a 14 Y MC Mix who presented V+ and lethargy, anorexia. Has pancreatitis and elevated liver values

SPECIES

Canine

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.

BREED

Bichon Frise Mix

SEX

Neutered Male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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 4.8 cm. The right kidney measured 3.8 cm. Occasional cortical cysts were noted in the kidneys.

AGE

14

Adrenal Glands

The **adrenal glands** were not visualized.

WEIGHT

16.4

Spleen

The **spleen** presented discrete and diffuse hypoechoic micronodular parenchyma. The capsule was generally smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. These changes are moderate and consistent with age related benign nodular hyperplasia. However, early hemangiosarcoma, lymphoma or mast cell neoplasia could not be entirely ruled out. Fine needle aspirate or biopsy following coagulation panel would be ideal especially if any weight loss is an issue. Otherwise, follow up ultrasound in 3-4 weeks to track these changes would be a more conservative approach.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Carver

Liver

HOSPITAL NAME

Animal Emergency
Hospital Volusia

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 past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

REFERRING VET

Dr. Carver

INVOICE

21192

Gastrointestinal

The **gastrointestinal tract** revealed spastic duodenum. Envelopment by the pancreatic pathology was noted. The lumen was empty. The colon was unremarkable.

DATE

2/19/23



PATIENT

Asher Sublett

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

Neutered Male

AGE

14

WEIGHT

16.4

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Carver

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

Dr. Carver

INVOICE

21192

DATE

2/19/23

Pancreas

The **pancreas** presented moderate heterogenous parenchymal changes with hyperechoic ill-defined surrounding fat. A pancreatic lymph node was enlarged and rounded. The pancreatic pathology continued throughout the right limb and enveloped the upper duodenum, which revealed spasming.

Free Abdomen

Minor **free fluid** was noted in the cranial abdomen with enhanced mesentery around the pancreas.

ULTRASONOGRAPHIC FINDINGS

- Extensive pancreatitis/duodenitis
- Slight free fluid/peritonitis
- Micronodular hyperplasia splenic pattern, possibility of splenitis
- Age-related hepatic changes
- Geriatric abdomen with chronic renal and hepatic changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a minor potential for underlying neoplasia. FNA of the hypoechoic portions of the pancreas and the pancreatic lymph node, liver and spleen would all be valid in this patient for further definition. Recheck sonogram after 72-hours of therapy, to assess for progression/regression of the presentation.





PATIENT

Asher Sublett

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

Neutered Male

AGE

14

WEIGHT

16.4

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Carver

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

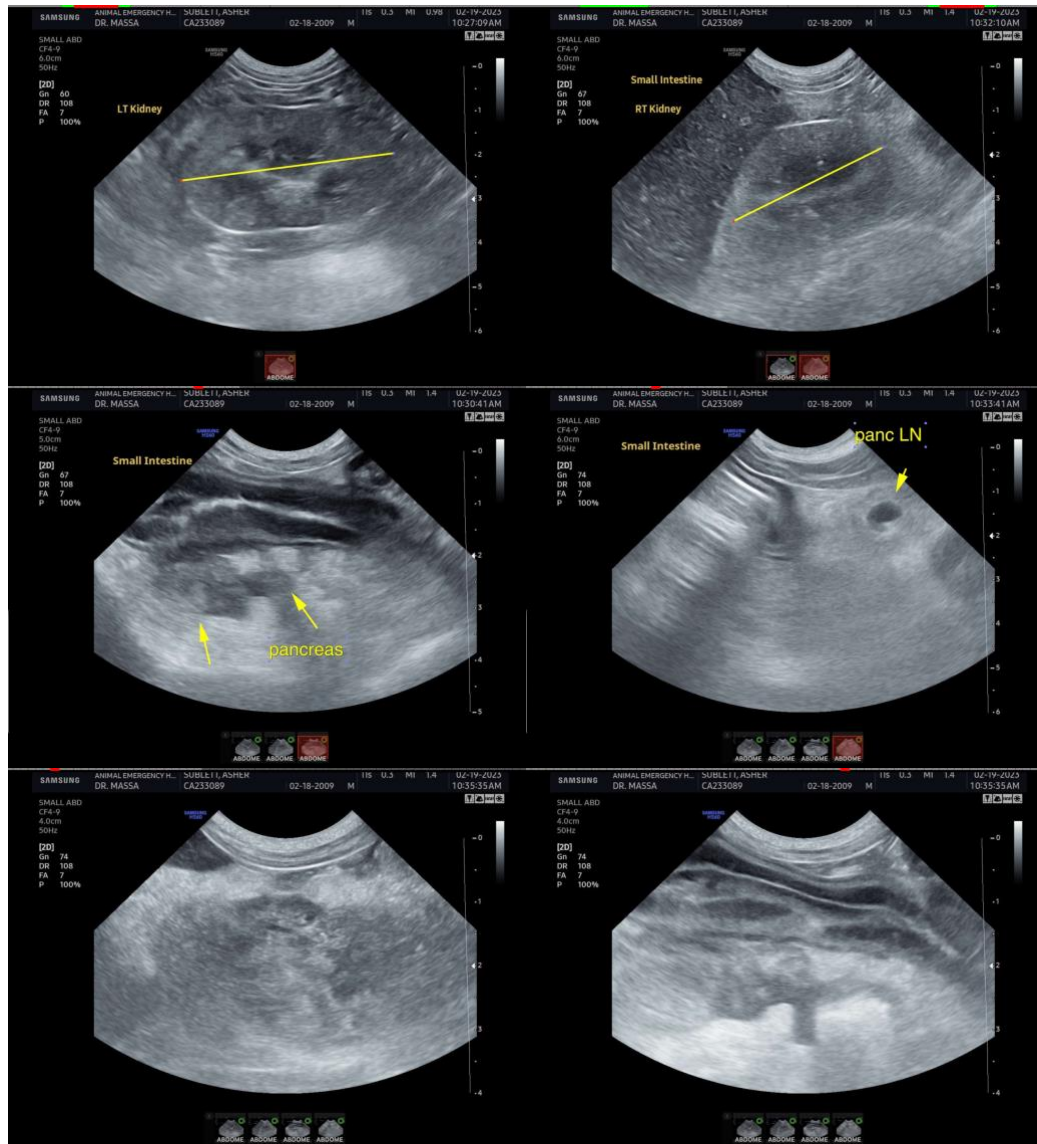
Dr. Carver

INVOICE

21192

DATE

2/19/23



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