



PATIENT PRESENTING CLINICAL SIGNS

Tilly Nardone

History: abd mass on rads 8/19/22 with 50% decreased appetite and panting. Began to eat again. 9/19/22 presented for decreased appetite, wt loss 2.5#, now only drinking from glassware, mass still present. new heart murmur 3/6 right sided; loose stools. Was on famotidine and metronidazole; diarrhea improved until today.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: 8/20/22: WBC 26.8 with neuts 20904, bands 2412, monos 2412, TP 4.3, Alb 1.7, Crea 0.4, Ca 7.7; 9/20/22: WBC 15.9, with bands 477 and monos 4134 RBC 43, HgB 10.5, HCT 35%, platelets 138, TP 4.0, Alb 1.6, ALKP 157, Crea 0.4, Ca 7.2

BREED

Cavalier King Charles

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

SEX

Spayed female

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. 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.

AGE

12 years

The region of the trigone and visible pelvic urethra were normal.

WEIGHT

14.8 lbs

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 5.0 cm. The left kidney measured 4.9 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Diane McFadden, RVT

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 1.4 x 0.46 cm at the caudal pole and 0.39 cm at the cranial pole.

HOSPITAL NAME

Chester AH

Spleen

REFERRING VET

Dr. Migliaccio

The **spleen** revealed subtle, micronodular changes with swollen, irregular contour. Enhanced surrounding mesentery was noted. This is strongly suggestive for infiltrative disease.

INVOICE

39603

Liver

DATE

9/15/22

The **liver** was mildly swollen with slight increased portal markings and scalloping contour. Enhanced mesentery was noted. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.

Gastrointestinal



PATIENT

Tilly Nardone

Examination of the **gastrointestinal tract** revealed a stomach free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. An intestinal mass was noted with multiple, distorted lymph nodes. Variable other portions of small intestinal thickening were present. The lymph nodes measured approximately 8.0 cm.

SPECIES

Canine

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.

BREED

Cavalier King Charles

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

GI, lymph nodes, splenic +/- hepatic neoplastic pattern. Consistent with lymphoma.
Secondary paraneoplastic protein losing enteropathy.

AGE

12 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

14.8 lbs

GI hemorrhage or bone marrow disease is possibly responsible for the anemia. Significant amount of inflammation and neoplastic volume is present in this patient. The prognosis is poor; however, this may be amenable to chemotherapy. Ultrasound-guided FNA of the intestinal mass, lymph nodes, spleen and liver are all indicated.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Chester AH

REFERRING VET

Dr. Migliaccio



INVOICE

39603

DATE

9/15/22



PATIENT

Tilly Nardone

SPECIES

Canine

BREED

Cavalier King Charles

SEX

Spayed female

AGE

12 years

WEIGHT

14.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Chester AH

REFERRING VET

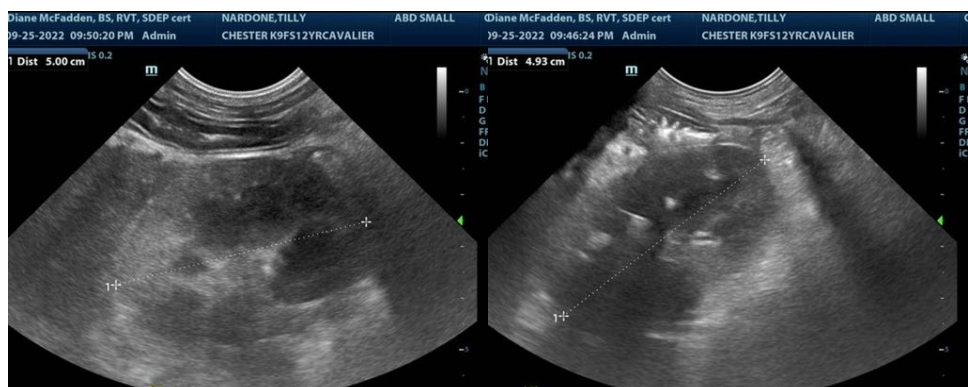
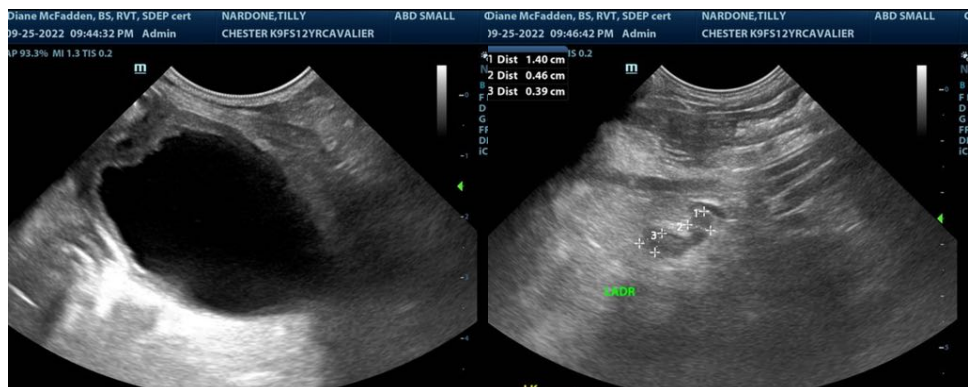
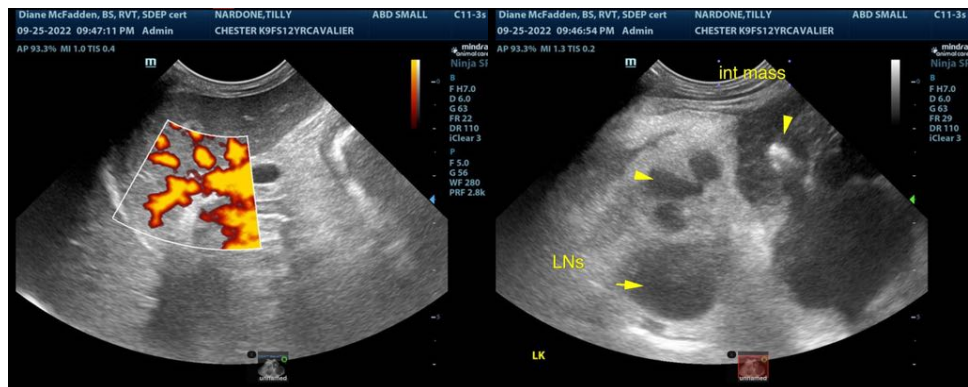
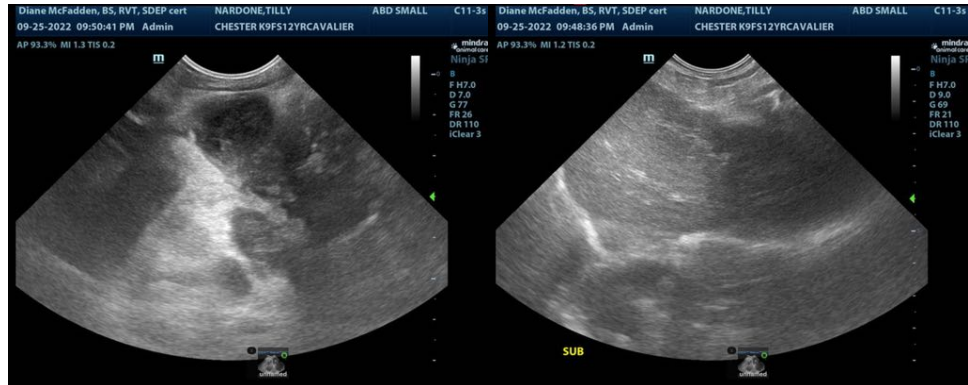
Dr. Migliaccio

INVOICE

39603

DATE

9/15/22





PATIENT

Tilly Nardone

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.

BREED

Cavalier King Charles

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com

SEX

Spayed female

AGE

12 years

WEIGHT

14.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Diane McFadden, RVT

HOSPITAL NAME

Chester AH

REFERRING VET

Dr. Migliaccio

INVOICE

39603

DATE

9/15/22