



PATIENT	PRESENTING CLINICAL SIGNS
Kachina Nehoda (Emp Pet)	History: Several week duration intermittent vomiting, 10# weight loss over last 8 months
SPECIES	Medication: Glandex
Canine	CBC- WBC 5.0 with mild neutropenia, unremarkable Chemistry Panel
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Great Dane	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
FS	The area of the aortic trifurcation was free of pathology.
AGE	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 7.5 cm in length. The right kidney measured 7.8 cm in length.
5 years	
WEIGHT	Adrenal Glands
110 Pounds	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.78 cm width at the caudal pole and 0.77 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.78 cm width at the caudal pole and 0.96 cm width at the cranial pole.
INTERPRETED BY	
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
IMAGING PERFORMED BY	Spleen
Rebekah Jakum, CVT ARDMS/RVT	The spleen exhibited possible mild generalized enlargement yet maintained symmetrical contour with a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
HOSPITAL NAME	Liver/ Gallbladder
Easton AH	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.
REFERRING VET	
Dr. Nankman	
INVOICE	
13130	
DATE	
1.20.2022	



PATIENT

Gastrointestinal

Kachina Nehoda (Emp Pet)

The stomach exhibited Intact, subjective mild prominent wall layering. The stomach lumen was empty with mild luminal gas and without evidence of retained ingesta, fluid, or foreign material. The gastric body wall width measured 0.5 cm. The pylorus wall width measured 0.56 cm.

SPECIES

Canine

The small intestine presented intact wall layering and primarily maintained a 1:3 muscularis/mucosa ratio. Mild duodenal retained fluid, suggestive of potential mild duodenal ileus, was present. No overt evidence of significant small Intestinal metabolic / mechanical ileus or loss of intestinal wall layering.

BREED

Great Dane

Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

FS

Pancreas

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

AGE

5 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

110 Pounds

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Subjective mild generalized gastroenteritis pattern, potential for Inflammatory bowel
- Possible mild splenomegaly - subjectively benign

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The possible mild splenomegaly may indicate patient variant, hyperplasia, hematopoiesis, or potential incidental splenitis. No overt evidence of splenic neoplastic criteria, which is considered unlikely. If evidence of persistent splenomegaly and given the patient's weight loss, ultrasound guided FNA of the spleen, using a 25-gauge needle and assuming normal clotting status, primarily to ensure only benign changes are present, could be considered.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Easton AH

A GI panel to include PLI/TLI/Cobalamin/Folate is warranted. Given the reported Intermittent vomiting, yet without evidence of reported diarrhea, some or all of the following protocol with as-needed gastrointestinal support may be considered. Resting cortisol level to screen for occult Addison's Disease may be considered. Pending additional diagnostics, lack of overt thoracic pathology, and response to empirical therapy, endoscopic intestinal biopsies may be indicated in this patient.

REFERRING VET

Dr. Nankman

INVOICE

13130

A clinical trial of **Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), Metronidazole (10-20 mg/kg p.o. b.i.d.), Pepcid (0.5-1 mg/kg s.i.d.) and Sucralfate (0.5-2 g/dog PO) or Omeprazole (1 mg/kg p.o. s.i.d.)** over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

DATE

1.20.2022



PATIENT

Kachina Nehoda (Emp Pet)

SPECIES

Canine

BREED

Great Dane

SEX

FS

AGE

5 years

WEIGHT

110 Pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Easton AH

REFERRING VET

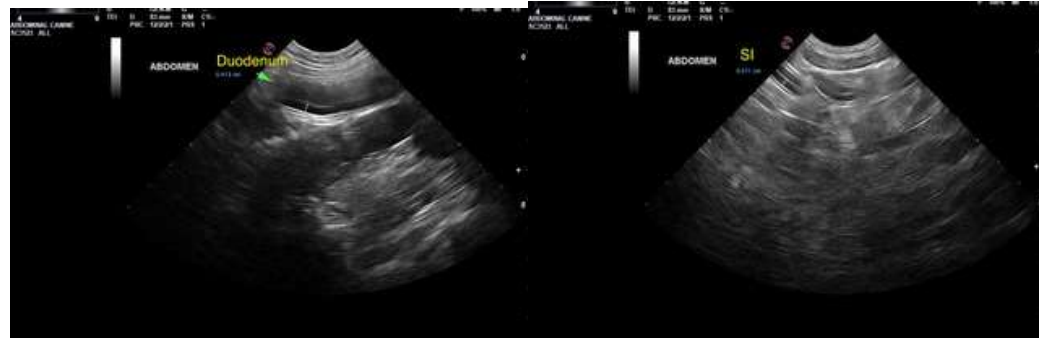
Dr. Nankman

INVOICE

13130

DATE

1.20.2022





PATIENT

Kachina Nehoda (Emp Pet)

SPECIES

Canine

BREED

Great Dane

SEX

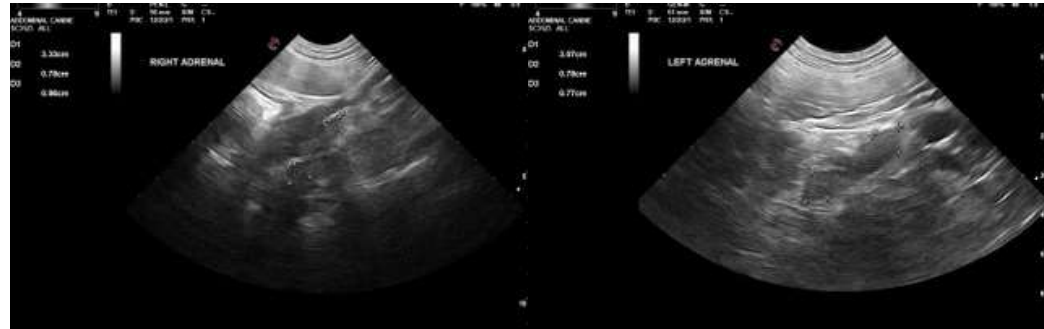
FS

AGE

5 years

WEIGHT

110 Pounds



INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Easton AH

REFERRING VET

Dr. Nankman

INVOICE

13130

DATE

1.20.2022

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com