



PATIENT PRESENTING CLINICAL SIGNS

Echo Korinchak Echo was evaluated for a second opinion. Echo is losing weight, she has been vomiting frequently for the past year and did not improve on i/d diet, she is pu/pd since starting the z/d diet last month, her BMs have progressively gotten softer since starting z/d diet.

SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: Ropey small intestines BUN 38 (16 - 37 mg/dL) Total Protein 6.2 (6.3 - 8.8 g/dL) ALT 172 (27 - 158 U/L) AST 90 (16 - 67 U/L) Fecal negative

BREED

DSH

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately 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.

SEX

Spayed Female

Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction, expected in this age patient. There is no evidence of pyelectasia, mineral or infarcts observed. The left kidney measures 2.96 cm. The right kidney measures 2.86 cm.

AGE

15 Years

Adrenal Glands

WEIGHT

6.4 Pounds

The right adrenal gland is normal in size (0.43 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.43 cm), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

Spleen

The spleen is subjectively normal 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.

IMAGING PERFORMED BY

Jack Reese

Liver

HOSPITAL NAME

Willow Run VC

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

REFERRING VET

Dr. Gwenna Brubaker

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.

Gastrointestinal

INVOICE

41855

The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) 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

10/6/22

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.



PATIENT

Echo Korinchak The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

SPECIES

Pancreas

Feline

Pancreas is prominent (enlarged) in size, hypoechoic to surrounding tissue and has a mildly irregular undulating contour. Parenchyma is coarse with mixed echogenic remodeling noted. Pancreatic duct dilation is noted.

BREED

Free Abdomen

DSH

There is no evidence of free peritoneal effusion noted in these images.

SEX

Lymphadenopathy is noted at the root of the mesentery, surrounded by enhanced hyperechoic fat.

Spayed Female

PRIMARY FINDINGS

- Chronic active pancreatitis
- **Reactive mesenteric lymph nodes** – infiltrative neoplastic disease cannot be ruled out but is considered less likely.

AGE

15 Years

SECONDARY FINDINGS

- Age related kidney changes

WEIGHT

6.4 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

A gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.

Beth Johnson, DVM
DACVIM

A T4 and free T4 are recommended if not recently evaluated.

IMAGING PERFORMED BY

Given the progression of diarrhea since starting z/d, recommendations are to transition the patient to a different brand of hydrolyzed protein diet such as Purina or Royal Canin, as some patients don't tolerate z/d.

Jack Reese

Empirical deworming with a 5-day course of Panacur could be considered as well as a probiotic such as Provable or Visbiome.

HOSPITAL NAME

Willow Run VC

Infiltrative gastrointestinal disease can be present without visible ultrasonographic changes. Therefore, if clinical signs persist, especially if the gastrointestinal malabsorption panel supports gastrointestinal disease, biopsies of the bowel, being sure to include ileum if possible, may ultimately be necessary.

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PATIENT

Echo Korinchak

SPECIES

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Spayed Female

AGE

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WEIGHT

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Beth Johnson, DVM
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IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

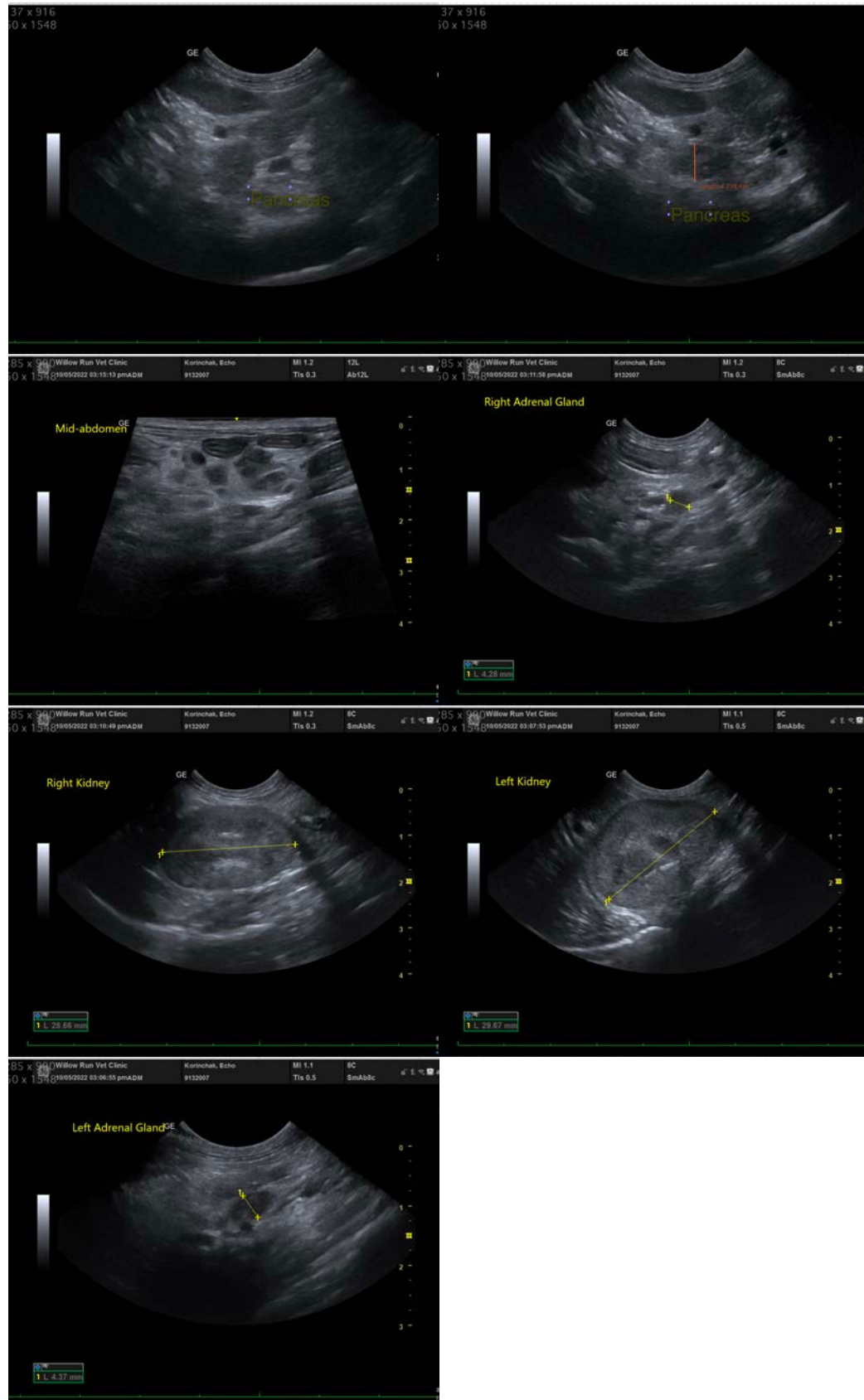
Dr. Gwenna Brubaker

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PATIENT

Echo Korinchak

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

Feline

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

DSH

Beth Johnson, DVM, DACVIM

Beth.Johnson@sonopath.com

SEX

Spayed Female

AGE

15 Years

WEIGHT

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**IMAGING
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