


PATIENT PRESENTING CLINICAL SIGNS

Echo Messina History: Hx Echo is a 11.9yo FS DSH 10.3 # Sedated with butorphanol. Rapid weight loss over the last year (was 14#). Has a long history of allergies, dermatitis, skin infections. Has been on prednisolone off and on for many years (has not been on steroids for 1 year).

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

11 years, 9 mos

WEIGHT

10.4 lbs

INTERPRETED BY

 Karen Ebersole, DVM,
 DABVP (Canine and
 Feline)

IMAGING PERFORMED BY

Dr. Kristen Carpenter

HOSPITAL NAME

Pennridge AH

REFERRING VET

Dr. Ana Depew

INVOICE

13936

DATE

8.3.23

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

The urinary bladder was normal in size and shape. The serosal and mucosal surfaces were smooth and curvilinear. The bladder wall was normal in thickness for the volume of urine present. The urine was anechoic with mild suspended sediment and no visible uroliths. The ureters were not visible, which is normal. The trigone was normal. The pelvic urethra was visualized to a depth of 2.00 cm and was normal in thickness and tone.

Both kidneys were of a normal size, shape, and position. The capsule was mildly irregular with no capsular expansion. There was mild to moderate increase in cortical echotexture. A slightly asymmetrical 1:3 cortex to medulla ratio was present, with a mild loss of corticomedullary distinction. These changes are largely as expected for the age of the patient. There was no pelvic dilation. The left kidney measured 3.70 cm in length. The right kidney measured 4.00 cm in length.

The iliac trifurcation was visualized and evaluated with color doppler. There was normal vascular perfusion with no evidence of thrombus formation. There was mild reactive iliac lymphadenopathy.

Adrenal Glands

Both adrenal glands were visualized and normal in size, ovoid shape and homogenous parenchyma. There was no visible capsular expansion or pericapsular inflammation. The left adrenal gland measured 4.00 mm in width. The right adrenal gland measured 4.00 mm in width.

Spleen

The spleen was normal in size (measuring 0.77 cm in width at the level of the hilus). There was mild capsule scalloping with an overall normal shape. The parenchyma was finely textured with no evidence of nodules or masses. The vasculature showed no evidence of thrombus and good vascularity with power doppler.

Liver/Gallbladder

The liver was normal in size and shape, with a smooth capsule contour. The hepatic parenchyma displayed normal echotexture and normal portal markings. The hepatic vasculature was normal in volume and structure. There was no evidence of inflammatory, neoplastic, infectious, or infiltrative disease. The gallbladder was normal in size and contents. The common bile duct was followed to the level of the duodenal papilla and was normal with no evidence of obstruction or inflammation. The common bile duct measured 2.00 mm (which is normal). The portal hilus was clearly visualized and was normal.

Gastrointestinal

The stomach was normal in size shape and position. There was a small amount of retained fluid in the gastric outflow. The pylorus was visualized and was normal. The small intestine was diffusely thickened with a prominent thickened muscularis layer. There was mild mesenteric reactive lymphadenopathy. The jejunum measured 3.00 mm. The ileum measured 4.00 mm in wall thickness. The colon was normal with



PATIENT stool present, and normal wall thickness and layering. The ileocecolic junction was visualized and was normal.

Echo Messina

Pancreas

SPECIES

The pancreas was mildly irregular in shape with a normal size. The parenchyma was isoechoic-to-hypoechoic to the surrounding mesentery. There was no evidence of inflammation currently, or masses within the pancreas.

Feline

BREED

Free Abdomen

DSH

FINDINGS

SEX

- Diffuse, small intestinal thickened muscularis layer, with maintained wall layering
- Mild reactive mesenteric lymphadenopathy pattern
- Aging changes in the kidneys and pancreas

Female Spayed

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

11 years, 9 mos

WEIGHT

This clinical and sonographic presentation can be seen with severe IBD, Low Grade Alimentary Lymphoma (LGAL) or FIP can at times present like this. Full thickness biopsies or multiple endoscopic biopsies (if jejunum can be accessed with the scope) would be required for diagnosis. Given the patient's age and significant weight loss I am concerned for possible LGAL. However, there is a lot of overlap between IBD and GI lymphoma, with no proven clinical or sonographic distinguishing features. Chronic inflammation promotes oncogenesis, and it is now thought that IBD and GI lymphoma are two ends of a continuum of disease, rather than two separate entities. This cat may have been a chronic IBD cat that is now potentially transitioning over to lymphoma.

10.4 lbs

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

IMAGING

PERFORMED BY

If biopsies are not pursued, treatment for severe IBD is reasonable and monitor clinical response. Treatment may include any or all of the following:

Dr. Kristen Carpenter

- GI support as needed (Cerenia, Miratzipine, etc)
- Prednisolone 1-2 mg/kg per day or Budesonide 0.5 - 0.75 mg/cat PO SID (not per mg/kg)
- Hydrolyzed diet trial
- Cobalamin supplementation (0.25 mg/250mcg SQ q 7 days x 4 weeks)
- High potency probiotics (Visbiome or Fortiflora SA).

HOSPITAL NAME

Penridge AH

REFERRING VET

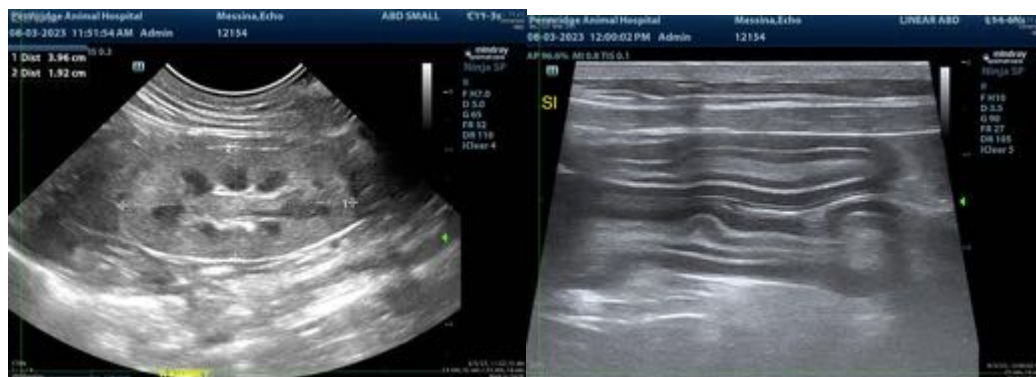
Dr. Ana Depew

INVOICE

13936

DATE

8.3.23





PATIENT

Echo Messina

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

11 years, 9 mos

WEIGHT

10.4 lbs

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

**IMAGING
PERFORMED BY**

Dr. Kristen Carpenter

HOSPITAL NAME

Penridge AH

REFERRING VET

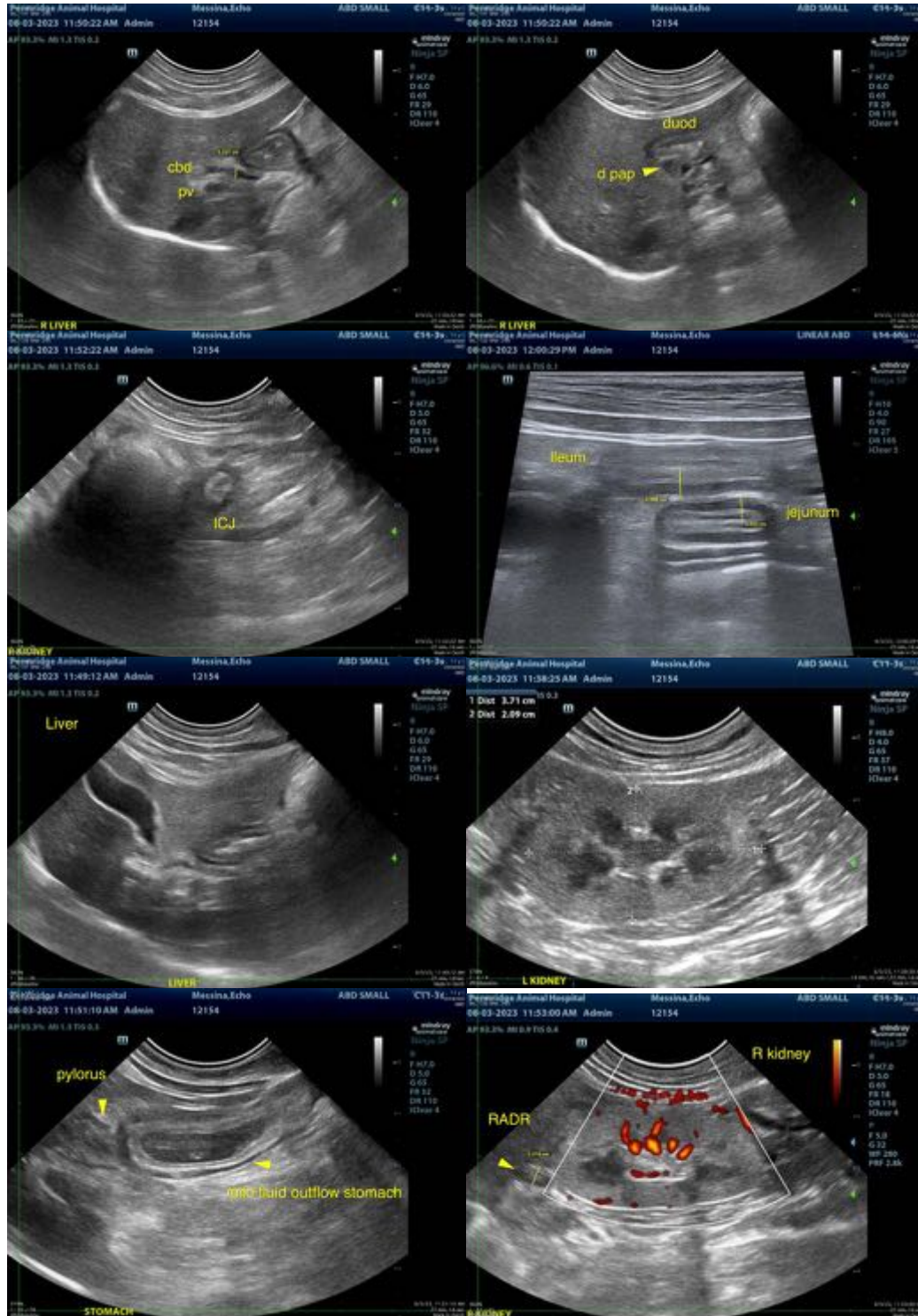
Dr. Ana Depew

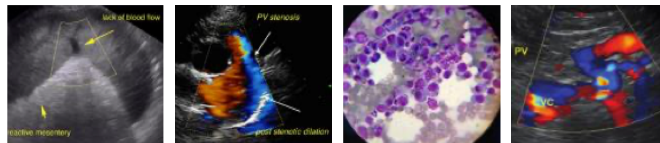
INVOICE

13936

DATE

8.3.23





PATIENT

Echo Messina

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

SEX

Female Spayed

AGE

11 years, 9 mos

WEIGHT

10.4 lbs

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

**IMAGING
PERFORMED BY**

Dr. Kristen Carpenter

HOSPITAL NAME

Pennridge AH

REFERRING VET

Dr. Ana Depew

INVOICE

13936

DATE

8.3.23