

PATIENT

Ivy Berning

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed Female

AGE

6 Years

WEIGHT

2.02 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Wilvet Salem

INVOICE NUMBER

17023

DATE

8/24/22

PRESENTING CLINICAL SIGNS

History: Patient is being hospitalized for one episode of vomiting and hemorrhagic diarrhea; hospitalized 8/23 early AM.

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.

The **kidneys** were normal in size and contour and revealed mild increased cortical echogenicity with some loss of corticomedullary definition. Minor pyelectasia was noted. The right kidney measured 3.4 cm. The left kidney measured 3.5 cm. This change is most consistent with mild interstitial nephrosis, which is precocious for this age patient. Blood flow to the kidneys appeared to be adequate.

Adrenal Glands

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 right adrenal gland measured 1.26 cm x 0.36 cm at the caudal pole and 0.4 cm at the cranial pole. The left adrenal gland measured 1.4 cm x 0.34 cm at the cranial pole and 0.48 cm at the caudal pole.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

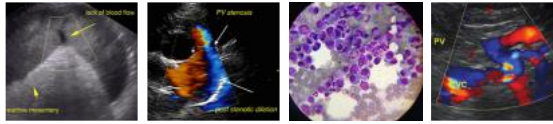
The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

The **stomach** revealed a shadowing foreign body, measuring 3.0 cm with chyme. Small intestinal wall thickness measured up to 0.28 cm. The colon was empty yet mildly hypertrophied.

Pancreas

The **pancreas** was slightly heterogeneous yet not a primary issue.



PATIENT

Ivy Berning *Free Abdomen*
The colic lymph nodes were slightly enlarged and rounded. An example of lymph node size measured 0.58 cm.

SPECIES **ULTRASONOGRAPHIC FINDINGS**

- Canine
- Gastric foreign body and enteritis/colitis pattern
 - Mild degenerative interstitial nephrosis renal pattern

BREED **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Pomeranian
Gastrotomy is indicated. Given the convenience of the procedure, renal and GI biopsies are indicated to rule out underlying disease. The echotexture of the foreign body would be similar to that of a Nyla bone or similar, measuring approximately 3.0 cm.

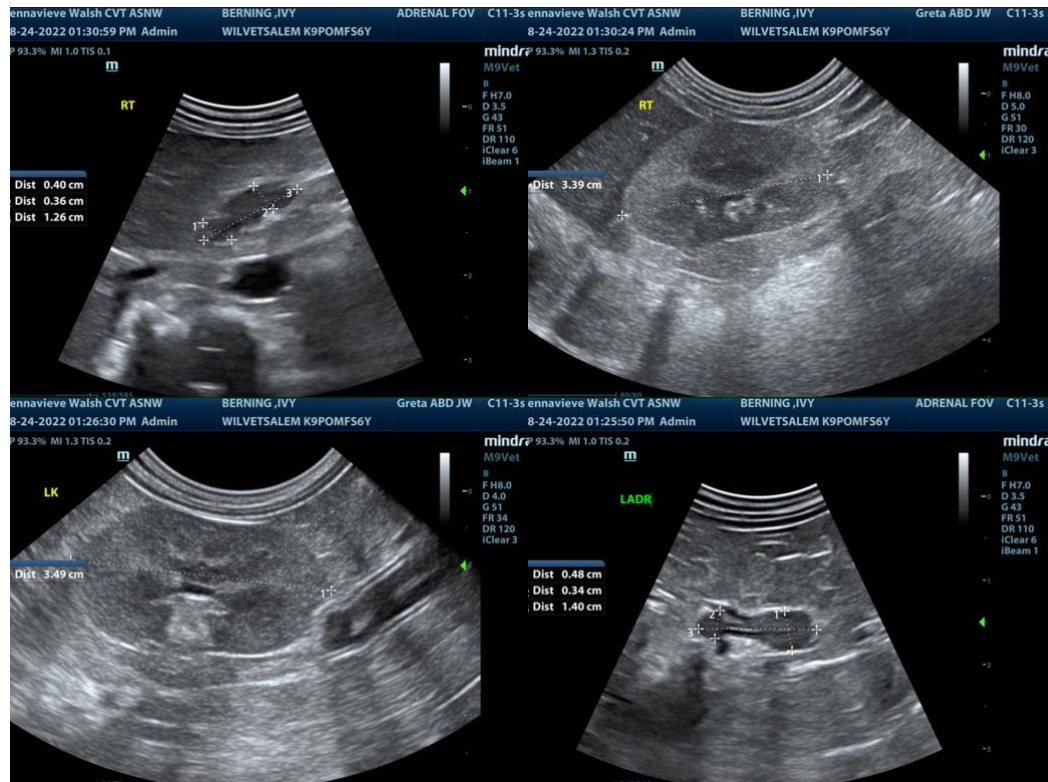
SEX

Spayed Female
GI Foreign Body Research

AGE

6 Years
WEIGHT

2.02 Pounds



INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Wilvet Salem

REFERRING VET

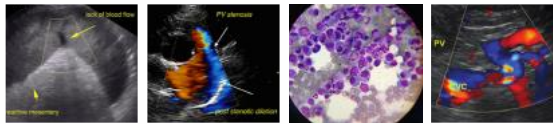
Wilvet Salem

INVOICE NUMBER

17023

DATE

8/24/22



PATIENT

Ivy Berning

SPECIES

Canine

BREED

Pomeranian

SEX

Spayed Female

AGE

6 Years

WEIGHT

2.02 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP, Cert. IVUSS

HOSPITAL NAME

Wilvet Salem

REFERRING VET

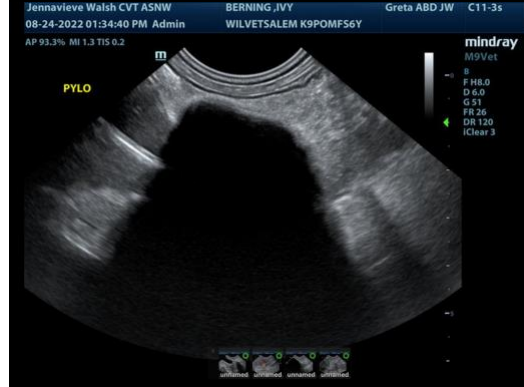
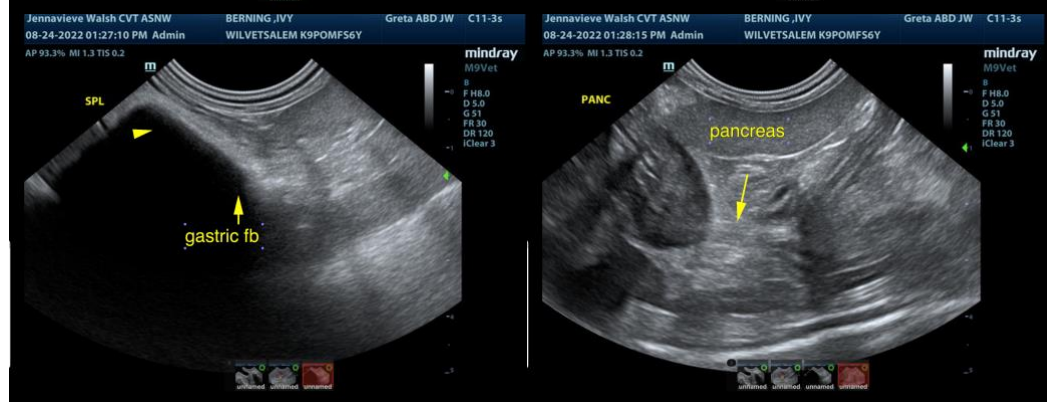
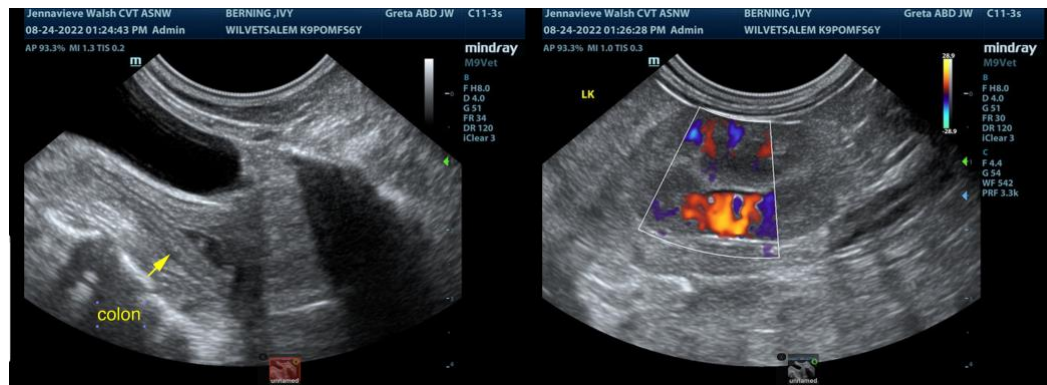
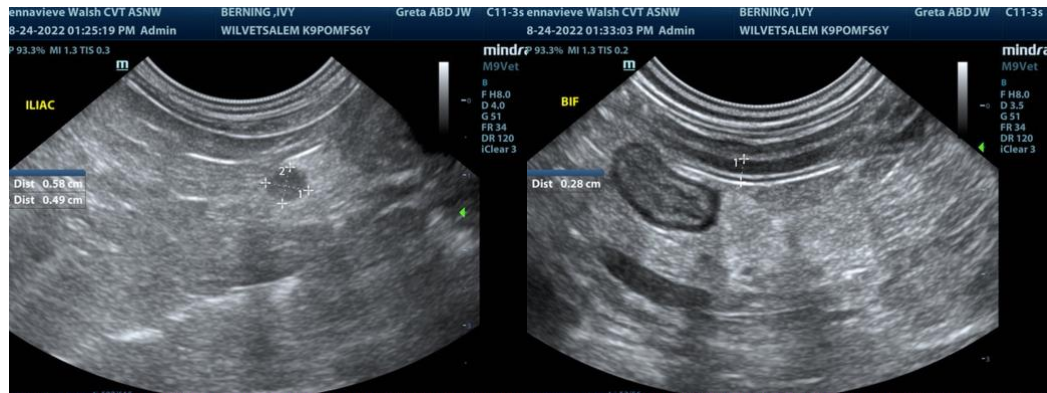
Wilvet Salem

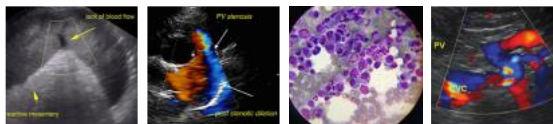
INVOICE NUMBER

17023

DATE

8/24/22





PATIENT

Ivy Berning

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.

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

Pomeranian

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

SEX

Spayed Female

AGE

6 Years

WEIGHT

2.02 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Wilvet Salem

INVOICE NUMBER

17023

DATE

8/24/22