



PATIENT

Alex Perez

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Male Neuter

AGE

10 Months

WEIGHT

13 lbs

INTERPRETED BY

Sebastian Jawinski,
German Board Certified
Vet Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Dr Gabriel Ferrer DVM

HOSPITAL NAME

Pulse: Pet Ultrasound
Services

REFERRING VET

Dr Javier Rodriguez

INVOICE

48740

DATE

12-3-21

PRESENTING CLINICAL SIGNS

Presented for an abdominal ultrasound to evaluate vomiting. Pt has been having sporadic intermittent vomiting episodes. O noticed a small amount of toy fiber in one of the vomits. Otherwise patient is doing well and normal appetite. Has been treated with Omeprazole, Cerenia and Hypoallergenic diet. Abnormal PE/Chem/CBC/UA Results: PE: normal, BAR, No pain or discomfort on abdominal palpation. CBC: WNL CHEM: Mild increased BUN cPLI: Normal

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary system

The urinary bladder, trigone and pelvic urethra present normal findings without evidence of uroliths or sediment. Wall layering is intact on all views without focal or diffuse thickening. Ureters are not visualized and considered to be normal. No evidence of an inflammatory or neoplastic process is noted.

Both kidneys show a hyperechoic cortical rim but clear corticomedullary definition. Left kidney measures 3.93 cm length, right kidney 4.64 cm. Renal pelvises and exits to the ureters are unremarkable.

Reproductive tract

The prostate is small and appears smoothly margined.

Adrenal glands

Both adrenal glands are normal.

Spleen

The spleen is inconspicuous in terms of surface and echotexture, and shows diameters of 1.50 cm. Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins. There are no signs of nodular/focal changes noted.

Liver/Gallbladder

Liver images are inconspicuous. Echotexture, size and vasculature appear regular. Evidence of nodular or focal changes is not visible.

The gallbladder shows a subtle amount of sludge. The gallbladder and -wall are unremarkable without signs of a florid process or cholestasis.

Gastrointestinal

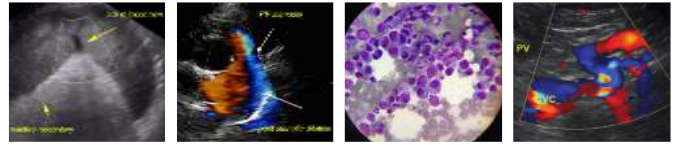
The stomach, the small intestine and colon present intact wall layers being normal in width and echogenicity. Adjacent mesentery and fat tissue are of normal appearance. There is no overt evidence of an ileus, a florid-inflammatory or even neoplastic process.

Mesenteric lymph nodes are mildly enlarged but inconspicuous in shape and periphery.

Pancreas

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. Signs of inflammatory changes or focal lesions are missing.

Free Abdomen



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There is no evidence of peritoneal or retroperitoneal effusion noted. Abdominal fat and great vessels show no pathological findings.

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ULTRASONOGRAPHIC FINDINGS

- Mild enlargement of the mesenteric lymph nodes
- Hyperechoic cortical rim both kidneys
- Normal sonographic findings of the abdomen

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The sonographic findings do not reflect the patient's history of vomiting.

SEX

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Mild enlargement of the abdominal (mesenteric) lymph nodes is a common finding in young dogs and can be normal. Reactive-inflammatory lymph nodes due to gastrointestinal infection are a potential differential diagnosis. Ultrasound guided FNA could be performed next. Neoplasia is not suspected. Especially stomach and small intestine including pancreas and gallbladder represent normal findings. Normal sonographic appearance does not exclude functional problems such as migrating foreign material or indigestibility going along with IBD (endoscopy?, stress-induced symptoms?). Signs of an obstructive ileus or a severe inflammatory process such as pancreatitis/peritonitis are not recognized.

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Changes of the kidneys are bilateral. I suggest they are normal variants without clinical relevance.

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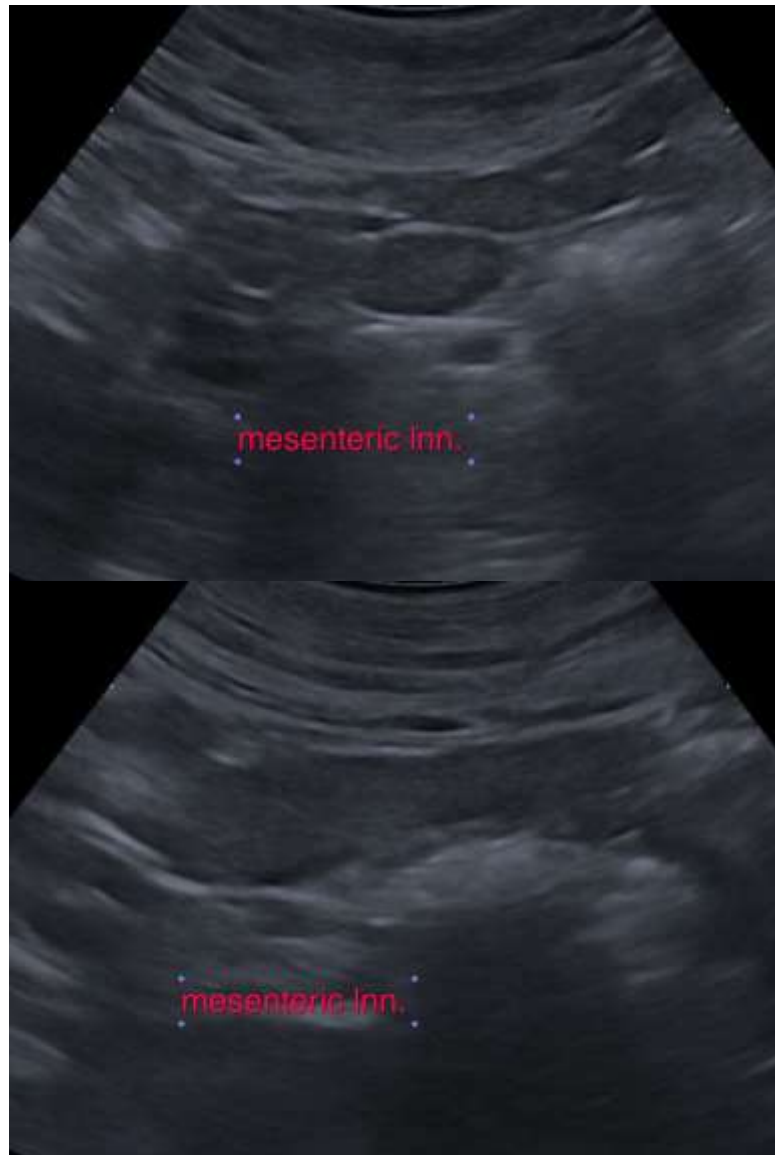
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
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