



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Leo Folsom

**SPECIES** Canine

**BREED** Pug

**SEX**

**MN**

**AGE** 2yr

**WEIGHT** 13lb

Exam notes 7-3-23 We treated. Had x-rays taken, and they said there might have been a foreign body in there, potentially in the lining of the intestinal walls. Didn't palpate anything. Still can't palpate anything. There may be something in there mid-intestine, but I almost wonder if it's the cecum that's full. What we're going to do is, we scheduled an ultrasound for the 5 th morning. They'll drop off. And in the meantime, we're going to treat with biome food. And also sent Endosorb home with her. When he had the last treatment, he didn't have Endosorb, but had Pro-Pectalin and biome food, and he did really well. The stool firmed up and was back to normal, but it went right back to where it was before when the medicine was finished up. So, we'll get the ultrasound to see if there's a foreign body. And if there is, we need to get it out of there. That's the plan. Exam Notes 6-21-23 Having vomiting and diarrhea. And has been pretty persistent diarrhea. Only vomited once. There are some plastic things she found around the fire pit in the yard that he had in his mouth, so we talked about plastic not really showing up well on x-rays. We are going to get a picture. And we did that. The x-rays did show something in the stomach. We couldn't see anything in the intestines but AI said they saw what looked like double- coating, so they consider that to be a possible foreign body. Just seemed like solid gas throughout the intestines to us. We checked the ears. And just some wax in them. They'll treat those once a day until there's no wax, and then weekly for maintenance. We gave aminopentamide and dex injection. And Pro-Pectalin 2 cc every eight hours. And two cans of biome. And he had no diarrhea last night, so that was good. And no food today, to see if the stomach can empty out and settle. And if it's not emptied, then we may need to explore and see what's in the stomach. The other side of the coin would be an ultrasound. But he's pretty bouncy and alert. Everything seems to be fine. No pain on palpation of the abdomen today, can't feel anything in there.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

Abnormal PE/Chem/CBC/UA Results: vAMY: 556 Range: 100-1500 Mg: 3.1 Range: 1.5-2.4 Na: 136 Range: 141-152 Cl: 94 Range: 102-120 NaKRatio: 31 BUN: 19.2 Range: 9.0-29.0 CRE: 0.7 Range: 0.4-1.4 BUNCreaRatio: 27.4 IP: 4.6 Range: 1.9-5.0 Ca: 11.0 Range: 9.0-12.2 CorrCa: 10.7 Range: 9.0-12.2 TP: 6.8 Range: 5.5-7.6 ALB: 3.8 Range: 2.5-4.0 GLOB: 3.0 Range: 2.0-3.6 AlbGlobRatio: 1.3 GLU: 125 Range: 75-125 TCHO: 162 Range: 120-310 ALT: 26 0-120 AST: 27 Range: 0-60 ALP: 64 Range: 0-140 GGT: <10 Range: 0-14 TBIL: 0.3 Range: 0.0-0.5 vLIP: 55 Range: 0-225 TG: 61 Range: 30-130 WBC: 16.15 Range: 6.00-17.00 NEU#: 13.05 Range 3.62-12.30 LYM#: 2.55 Range: 0.83-4.91 MON#: 0.24 Range: 0.14-1.97 EOS#: 0.3 Range: 0.04-1.62 BAS#: 0.01 Range: 0.00-0.12 NEU%: 80.8 Range: 52.0-81.0 LYM%: 15.8 Range: 12.0-33.0 MON%: 1.5 Range: 2.0-13.0 EOS%: 1.8 Range: 0.5-10 BAS%: 0.1 Range: 0.0-1.3 RBC: 8.01 Range: 5.10-8.50 HGB: 18.5 Range: 11.0-19.0 HCT: 54.0 Range: 33.0-56.0 MCV: 67.4 Range: 60.0-76.0 MCH: 23.1 Range: 20.0-27.0 MCHC 34.2 Range: 30.0-38.0 RDW-CV 12.8 Range: 12.5-17.2 PLT: 452 Range: 117-490 MPV: 9.3 8.0-14.1 Current Medications Endosorb Tablets, Propectalin Radiographic Findings Radiographs didn't show anything but a small gas pattern present.

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

The Pet Clinic

**REFERRING VET**

Dr. Genova

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**INVOICE**

14276ag

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.

**DATE**

07/06/2023

The kidneys revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen.



**PATIENT**

Leo Folsom

Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.11 cm in length. The right kidney measured 4.06 cm in length.

**SPECIES**

**Adrenal Glands**

Canine

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 left adrenal gland measured 1.75 cm in length by 0.46 cm caudal pole width by 0.41 cm cranial pole width.

**BREED**

Pug

**Spleen**

**SEX**

MN

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.

**AGE**

2yr

**Liver**

**WEIGHT**

13lb

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.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Gastrointestinal**

**IMAGING  
PERFORMED BY**

Sara Hansen

Examination of the gastrointestinal tract revealed a stomach and intestine of normal wall thickness and acceptable curvilinear mural detail. Some hyperperistalsis was present suggestive of irritability. A fecal test and diet change would be appropriate. No evidence of structural disease. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**

**HOSPITAL NAME**

The Pet Clinic

The base and limbs of the pancreas were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal, and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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**ULTRASONOGRAPHIC FINDINGS**

**INVOICE**

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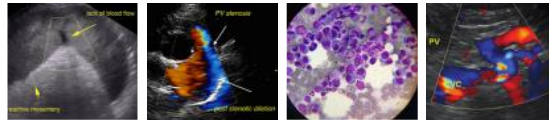
- Hyperperistalsis.
- Otherwise sonographically normal abdomen.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A fresh fecal analysis is recommended to rule out parasitic ova/giardia. A diet change may prove beneficial. No evidence of structural disease present.



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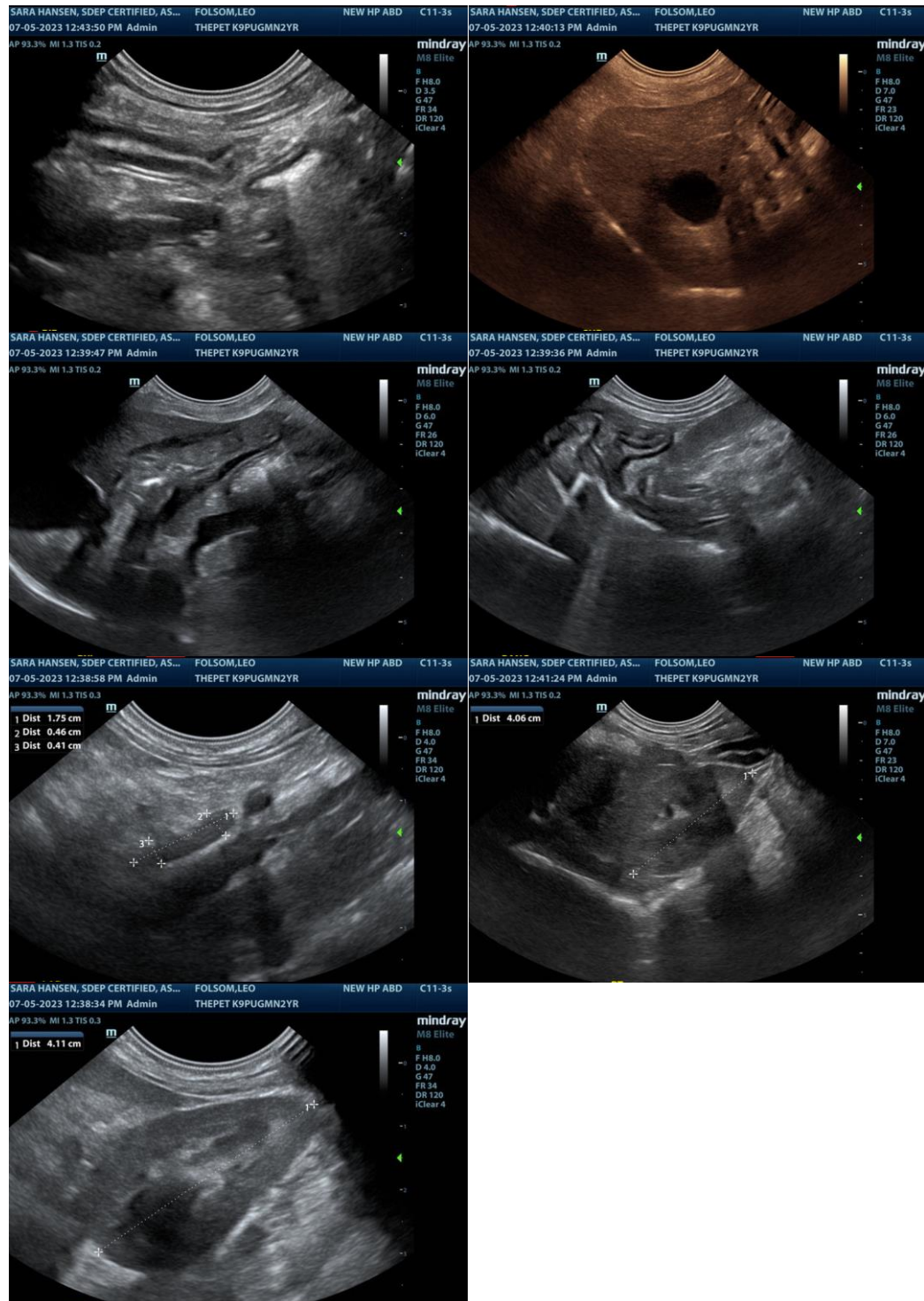
Dr. Genova

**INVOICE**

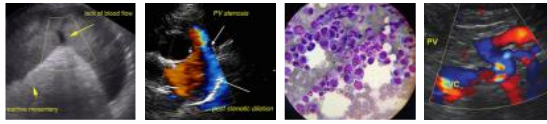
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The information and recommendations provided are based on the images presented by the referring



**PATIENT**

Leo Folsom

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**

Pug

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

**SEX**

MN

**AGE**

2yr

**WEIGHT**

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