

PATIENT PRESENTING CLINICAL SIGNS

Oreo Boraei

- A grade 2/6 heart murmur was auscultated. The HR was in the 170s BPM. MM are pink and slightly tacky. The patient is estimated to be 5-10% dehydrated.
- The abdomen is bloated with mild discomfort noted on palpation. Gas was palpable throughout the small intestines.
- concern for possible FB, has history of surgery for FB
- Abnormal PE/Chem/CBC/UA Results: CBC - essentially normal, mild stress leukogram
Chem - wnl FPL - normal
- Radiographic Findings Radiographs - Repeat - Stool has moved in colon, intestines are still central with increased gas generalized, overlay of cecum/colon/digesta with small intestine or non radiopaque FB, also VD still has prominent abnormal positioning of intestine/spleen/other?

SPECIES

Feline

BREED

Persian

SEX

MN

AGE

12yr

WEIGHT

6.92kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN AND HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	6.92kg	125	0.5	1.55	0.5	45	78
FELINE CARDIAC PARAMETERS	LA/AO M-Mode	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	--	1.3	1.3		1.0	1.0	NM
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Aldershot Animal Hospital

REFERRING VET

Wallace

INVOICE

23856

DATE

02/11/2026

Cardiac Presentation

The echocardiogram in this patient demonstrated normal left atrial size based on 2 separate LA measurements. The cranial and caudal mitral valve leaflets presented normal linear structure and kinetics. No overt MR present on Doppler. The left ventricle presented normal thicknesses with linear contour and was not dilated nor restricted. The myocardium presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. The contractility of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The left ventricular outflow tract demonstrated normal laminar flow and subjective structural integrity. Normal measured LVOT velocity was present. The right atrium and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. Tricuspid valvular assessment demonstrated adequate linear morphology and kinetics. No overt TR present on Doppler.



PATIENT
Oreo Boraei

The right ventricle was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. Pulmonic tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). Normal measured RVOT velocity was present. No visible pericardial or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial mediastinum and pericardial regions were free of masses in the visible window.

SPECIES

Feline

Urinary System

BREED

Persian

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

SEX

MN

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 3.9 cm in length. The right kidney measured 4.4 cm in length.

AGE

12yr

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

6.92kg

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.35 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.48 cm width.

Spleen

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

Asymmetrically enlarged spleen exhibiting primarily homogenous parenchyma. The spleen measured ~ 3.3 cm in diameter with indistinct splenic folding.

IMAGING PERFORMED BY

Kelly Reschny

Liver/Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

Aldershot Animal
Hospital

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

REFERRING VET

Wallace

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical/metabolic ileus, obstruction or foreign material. No obvious pathology in the area of the ileocolic junction. The duodenum wall measured 0.25 cm width. The jejunum wall measured 0.25 cm width.

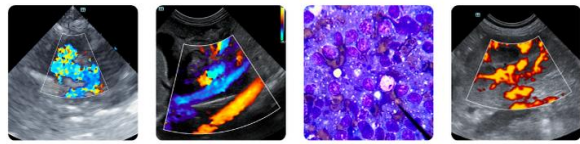
INVOICE

23856

Normal visible colon wall layers were present with apparent formed feces in lumen.

DATE

02/11/2026



PATIENT

Pancreas

Oreo Boraei

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES

Free Abdomen

Feline

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED

ULTRASONOGRAPHIC FINDINGS

Persian

Primary

SEX

- Normal cardiac structure /function
- Asymmetrical splenomegaly with indistinct splenic folding
- Sonographically unremarkable empty gastrointestinal tract
- Normal colon containing formed fecal matter

MN

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

12yr

No evidence of cardiac clinical issues such as left or right heart chamber enlargement, HCM criteria or other structural cardiomyopathy, LV systolic dysfunction, arrhythmia or pulmonary hypertension. The definitive cause of the murmur was not identified. Assuming no volume changes such as dehydration or anemia, a benign flow murmur is probable. A small non-visualized flow abnormality is not excluded. Regardless of classification, the hemodynamic effects of the murmur are low. Monitoring of the heart murmur is recommended without indication for cardiac medications. Recheck echocardiogram is recommended in 6-12 months, sooner if murmur intensity increases or clinical signs arise. No indication for cardiac medications. Cardiac anesthetic risk, if required, is low.

WEIGHT

6.92kg

INTERPRETED BY

No evidence of mechanical metabolic gastroenterocolic ileus or foreign material.

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

Asymmetrical to variable splenic hyperplasia, hematopoiesis or inflammation with potential for splenic neoplasia possible. Assuming normal clotting status and using 25ga needle, a splenic FNA cytology is recommended for further clarification.

IMAGING PERFORMED BY

Kelly Reschny

Correction of dehydration with radiographic monitoring of the gastrointestinal tract given reported gas pattern with concurrent gastrointestinal support recommended. If gastrointestinal signs are non-reported or arise, a GI panel to include PLI/TLI/cobalamin/folate to assess for mild pancreatitis or non-structural gastrointestinal disease is recommended.

HOSPITAL NAME

Aldershot Animal Hospital

Suggested anesthetic protocol may include opioid or Benzodiazepine pre-med, induction with Propofol or Alfaxalone, and appropriate gas anesthesia with avoidance of alpha 2 agonists.

REFERRING VET

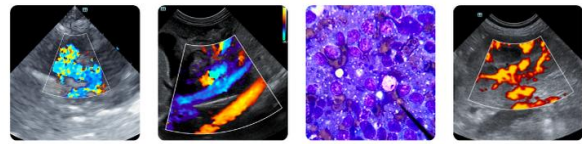
Wallace

INVOICE

23856

DATE

02/11/2026



PATIENT

Oreo Boraei

SPECIES

Feline

BREED

Persian

SEX

MN

AGE

12yr

WEIGHT

6.92kg

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

IMAGING PERFORMED BY

Kelly Reschny

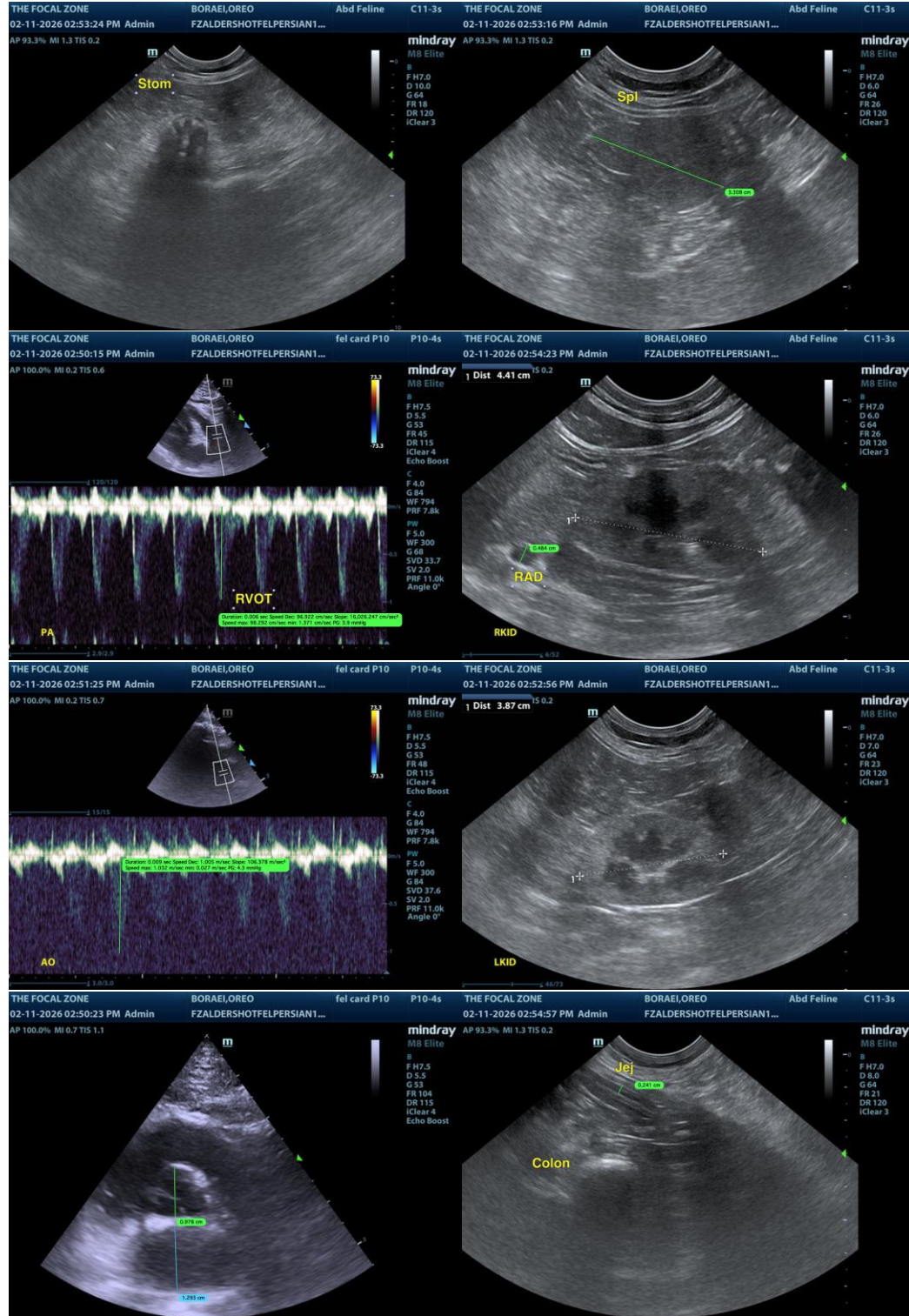
HOSPITAL NAME
 Aldershot Animal
 Hospital

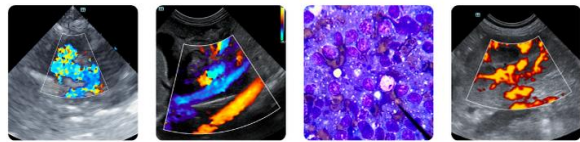
REFERRING VET

Wallace

INVOICE
 23856

DATE
 02/11/2026





PATIENT

Oreo Boraiei

SPECIES

Feline

BREED

Persian

SEX

MN

AGE

12yr

WEIGHT

6.92kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Aldershot Animal
Hospital

REFERRING VET

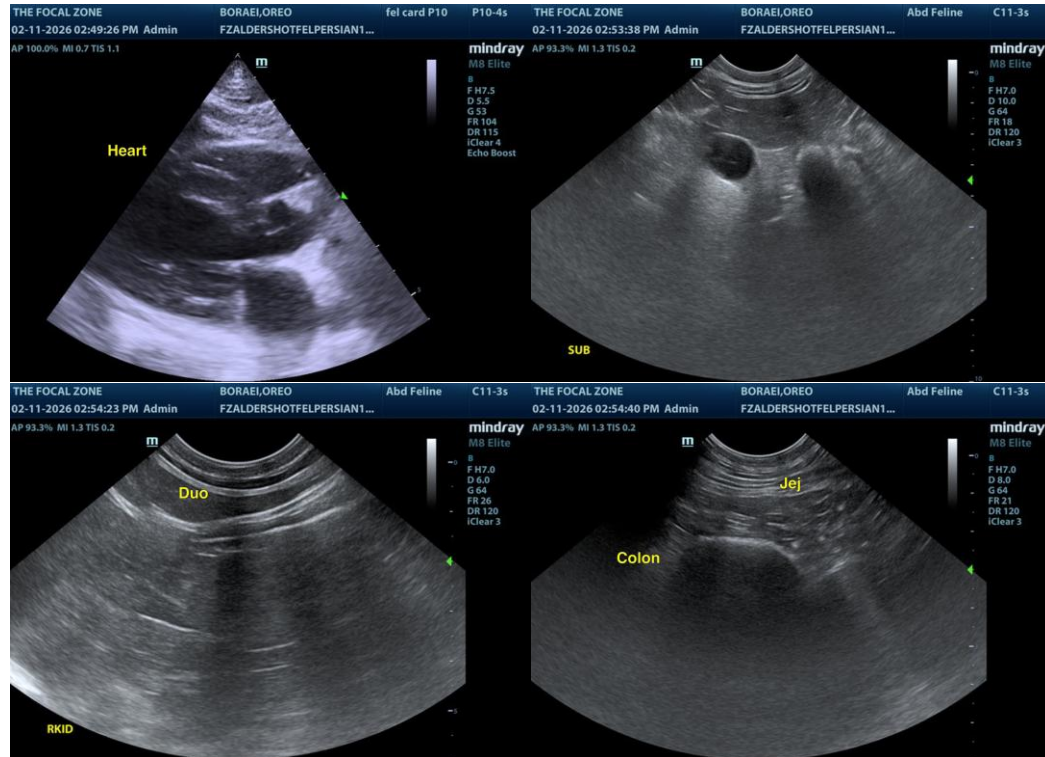
Wallace

INVOICE

23856

DATE

02/11/2026



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.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
info@sonopath.com