



PATIENT PRESENTING CLINICAL SIGNS

Gaia Williams

History: Adopted from breeder 2 weeks ago - 4/6 systolic murmur (PMI R apex) noted on exam. No other health concerns. 4/6 heart murmur, otherwise NSF on exam.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Akita

SEX

Female

AGE

10 weeks

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **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 of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Trivial **tricuspid** insufficiency was noted. **Pulmonary outflow** tract and ventricular septal region revealed an abnormal color flow turbulence. Further imaging is necessary with CW and PW Doppler of this region to assess the defect. I suspect pulmonic insufficiency or ventricular septal defect. No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

WEIGHT

15.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Bailes

HOSPITAL NAME

All Creatures Great
and Small VC Corvallis

REFERRING VET

Dr. Bailes

INVOICE

91190

DATE

8/12/21

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT		2.2	1.0	1.0	39	71	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m- mode short axis (cm)	LVIDs Avg; 2D and m- mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		1.5		15.8 lbs	2.15	2.95	

ULTRASONOGRAPHIC FINDINGS

Possible VSD or pulmonic insufficiency.

Minor tricuspid insufficiency.



PATIENT

Gaia Williams

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Further imaging is necessary for further definition. This is not a clinical issue at this time. There is no significant volume overload present.

SPECIES

Canine

BREED

Akita

SEX

Female

AGE

10 weeks

WEIGHT

15.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Bailes

HOSPITAL NAME

All Creatures Great and Small VC Corvallis

REFERRING VET

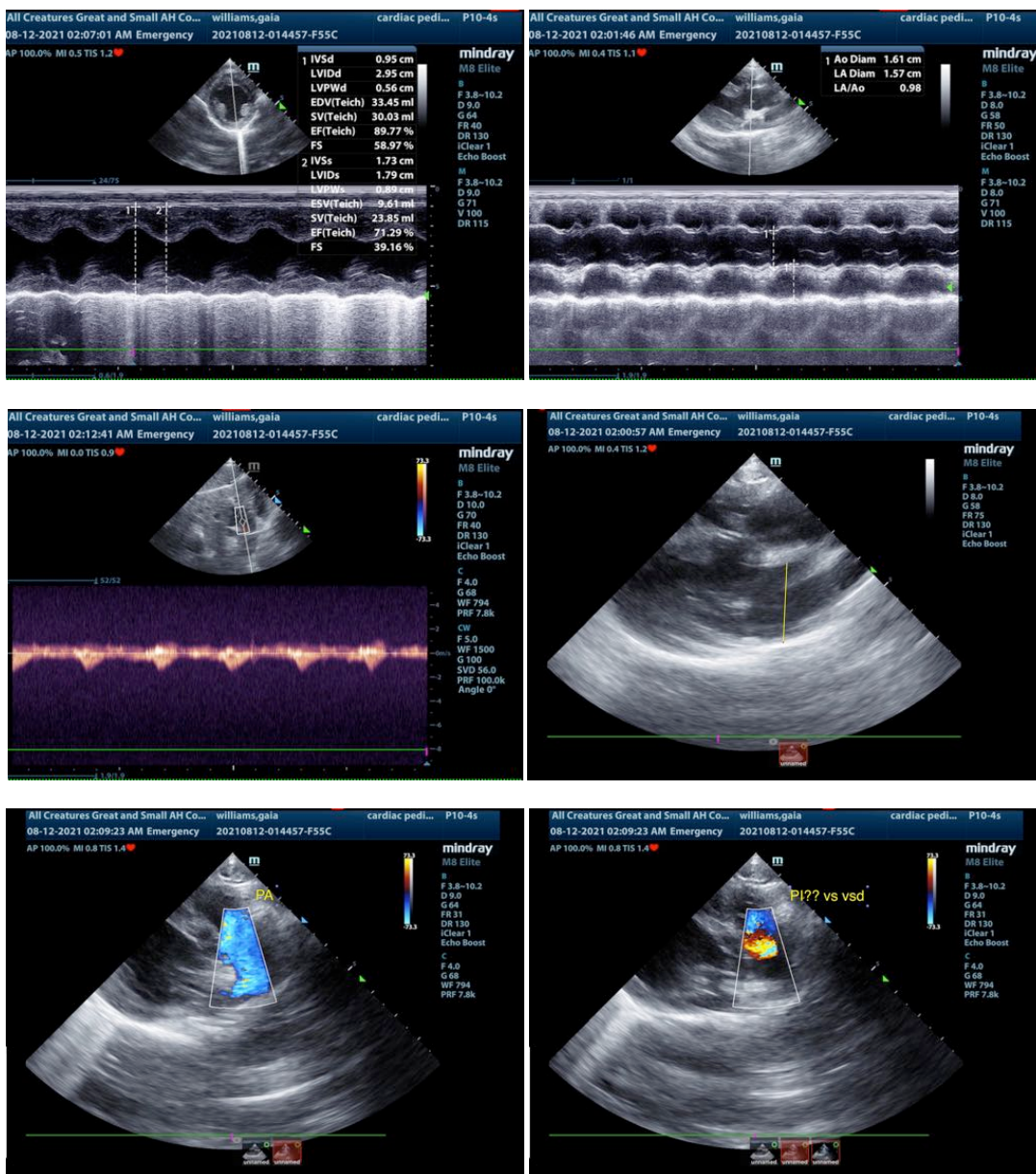
Dr. Bailes

INVOICE

91190

DATE

8/12/21



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.



PATIENT

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

Gaia Williams

SPECIES

Canine

BREED

Akita

SEX

Female

AGE

10 weeks

WEIGHT

15.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Bailes

HOSPITAL NAME

All Creatures Great
and Small VC Corvallis

REFERRING VET

Dr. Bailes

INVOICE

91190

DATE

8/12/21