



PATIENT

Pan Vallaincourt

SPECIES

Canine

BREED

Coton De Tulear

SEX

Male

AGE

13 weeks

WEIGHT

2.46 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gumley

HOSPITAL NAME

Cedarview AH

REFERRING VET

Dr. Holmes

PRESENTING CLINICAL SIGNS

Grade 4/6 left and right apical systolic heart murmur, loudest over the right apex. MM pink, normal femoral pulse; no ascites.

Abnormal PE/Chem/CBC/UA Results: BP 119/64 (82), hr 129 113/55 (74), hr 104 114/56 (75) HR 125

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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 normal volume and normal structure with the exception of a membranous **ventricular septal defect** that measured 0.27 cm. The VSD was left to right shunting at 5.8 m/sec. **Aortic insufficiency** was noted at 4.3 m/sec. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). 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.

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			NM	1.3	39	72	0.1
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)	(kg)	2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	122	1.7		2.46	1.73	2.33	

ULTRASONOGRAPHIC FINDINGS

Compensated ventricular septal defect.

Secondary aortic insufficiency.

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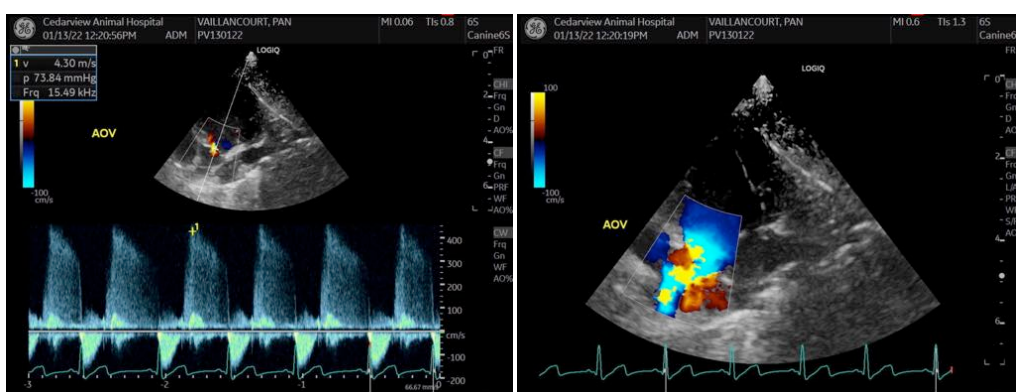
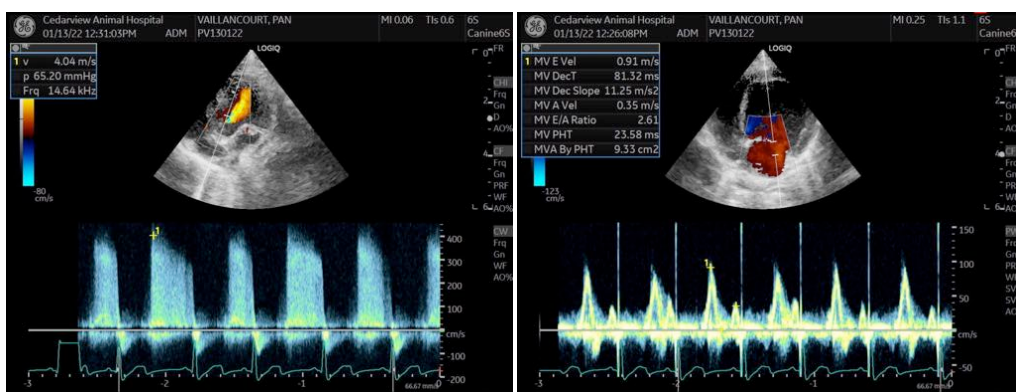
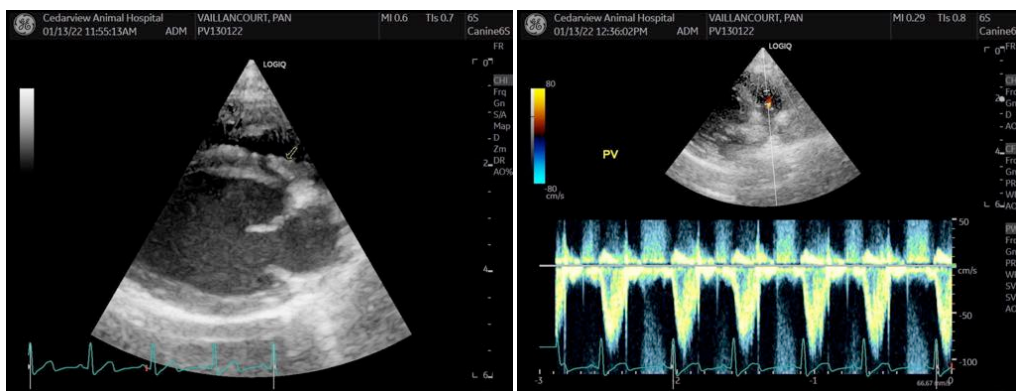
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No specific therapy is recommended. A recheck echocardiogram is recommended in 6-12 months. The defect is compensated at this time. If any anesthetic procedure is to be performed then prophylactic antibiotic is recommended 3 days prior and 5 days post procedure. A recheck echocardiogram is recommended at 6 months of age.





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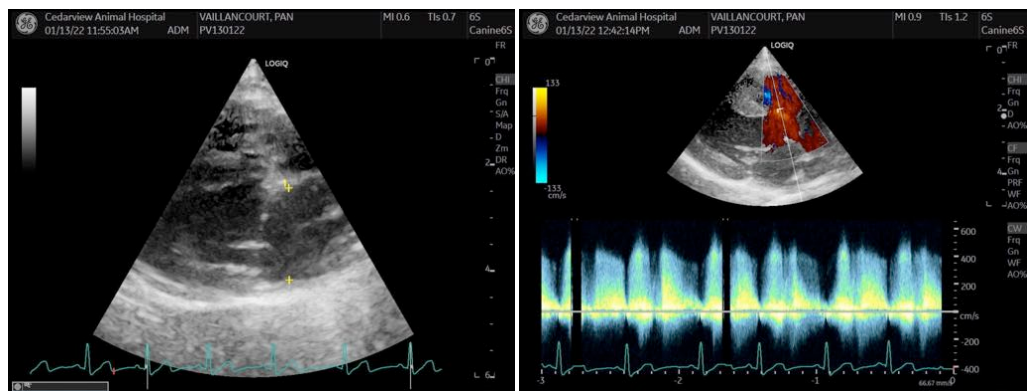
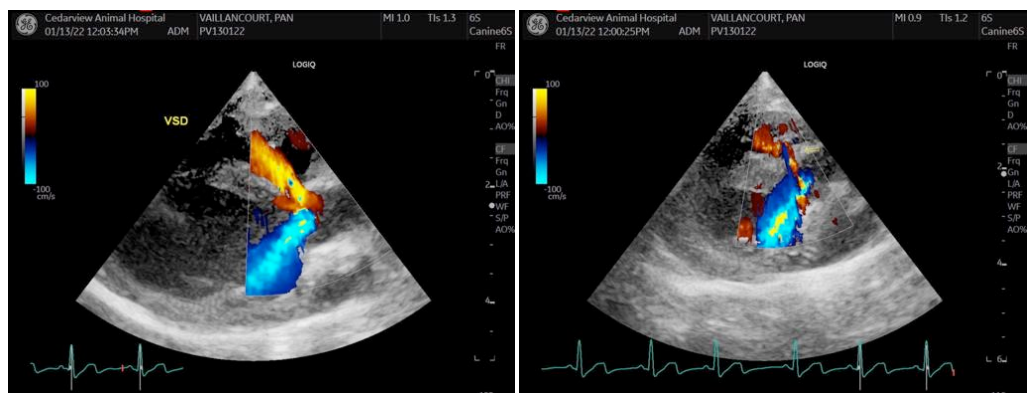
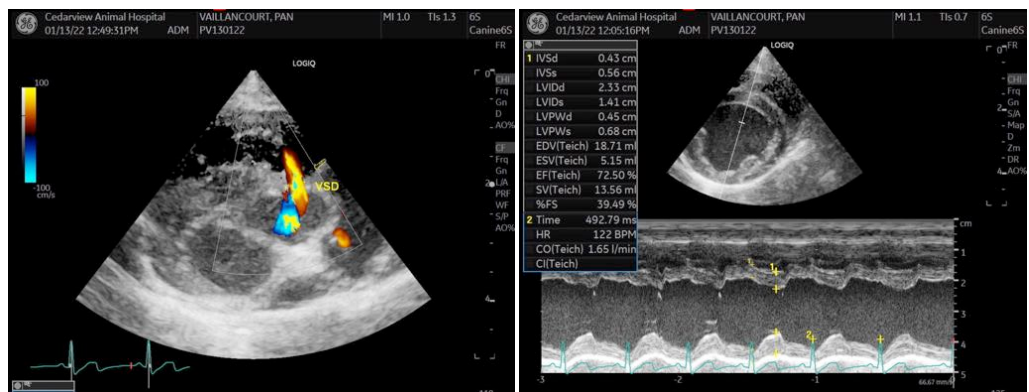
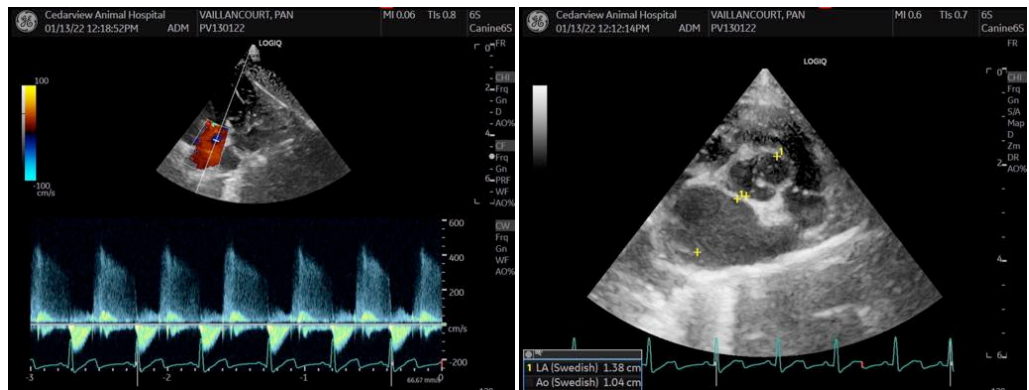
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SEX

Male

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.

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

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