

PATIENT PRESENTING CLINICAL SIGNS

Willow Carlton History: Grade 3/6 systolic heart murmur, PMI left
Abnormal PE/Chem/CBC/UA Results:

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED	CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
Cattle Dog Mix	NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
SEX	PATIENT	--	--	1.15	1.25	43	77	0.1
AGE	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)
Female	NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
18 Weeks	PATIENT	176	1.90	1.00	--	1.86	2.44	--

WEIGHT

23 Pounds

Cardiac Presentation

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. **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.

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

HOSPITAL NAME

Banfield of South Eugene

REFERRING VET

Dr. Garretson

ULTRASONOGRAPHIC FINDINGS

- Normal structural and functional heart

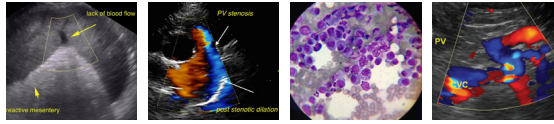
INVOICE NUMBER

14086

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

10/29/21



PATIENT

Willow Carlton

The cause of murmur cannot be completely ascertained, may be flow murmur or owing to excitement. However, the valvular structures appear intact without significant pathology. If the murmur is still present in this patient at 4-6 months of age, I recommend recheck echocardiogram. However, no gross congenital abnormalities noted. Left and right ventricular outflow velocities appear normal. A typical region of PDAs reveal normal laminar flow.

SPECIES

Canine

BREED

Cattle Dog Mix

SEX

Female

AGE

18 Weeks

WEIGHT

23 Pounds

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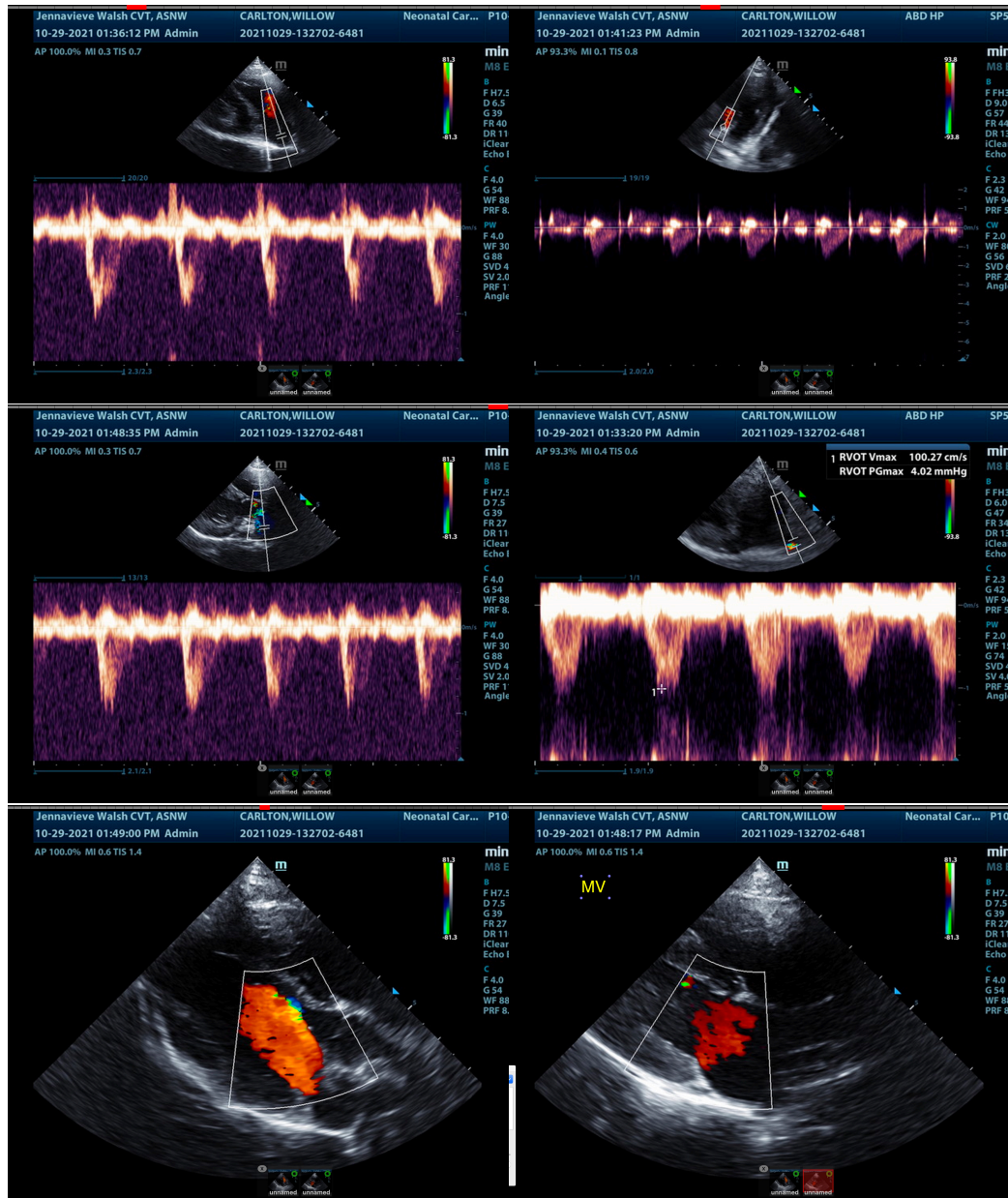
Dr. Garretson

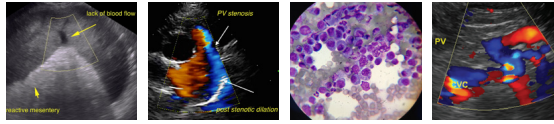
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PATIENT
Willow Carlton

SPECIES
Canine

BREED
Cattle Dog Mix

SEX
Female

AGE
18 Weeks

WEIGHT
23 Pounds

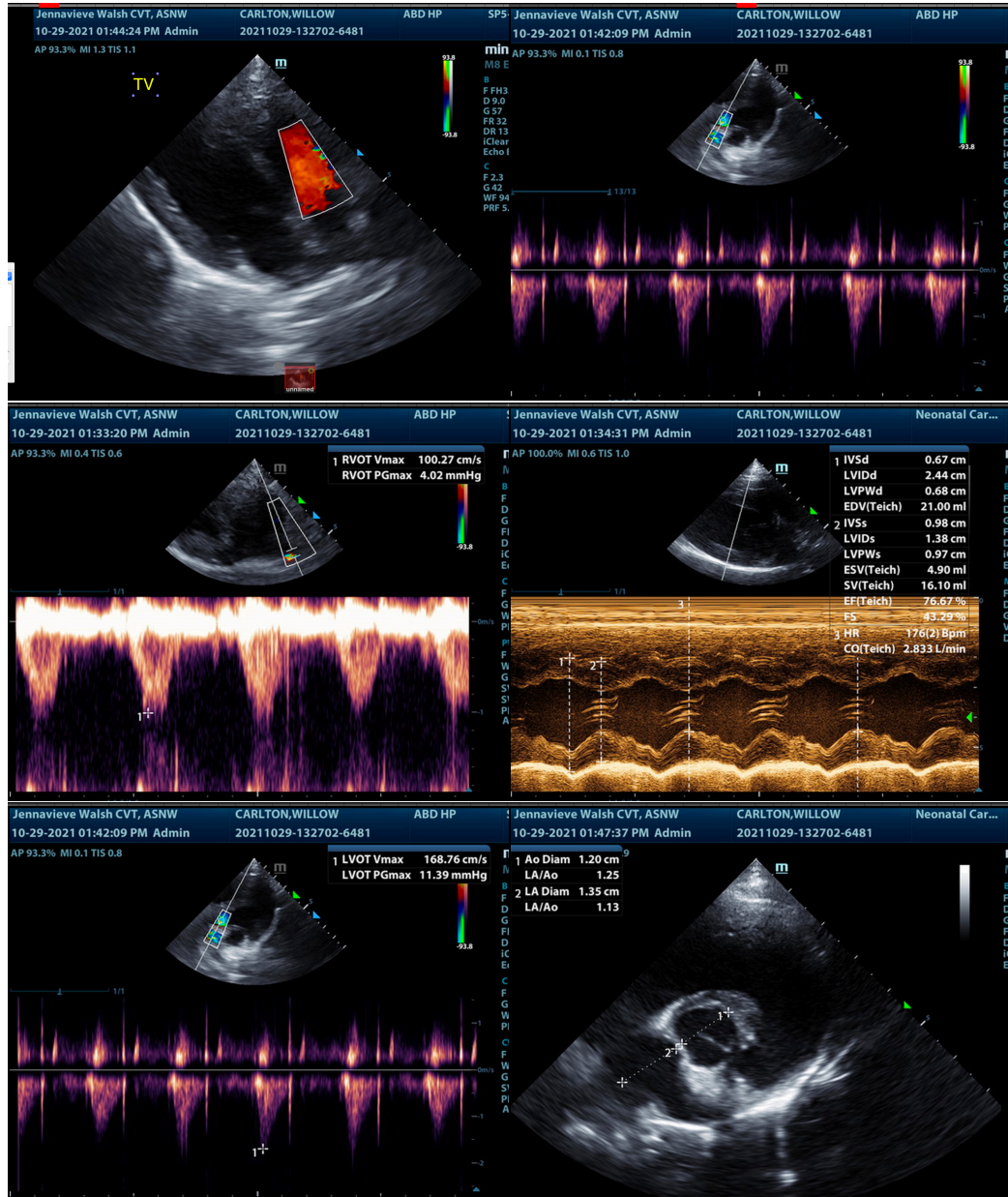
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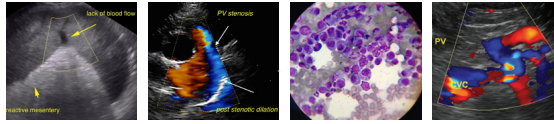
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PATIENT	Jennavieve Walsh CVT, ASNW 10-29-2021 01:47:46 PM Admin	CARLTON,WILLOW 20211029-132702-6481	Neonatal Car...	Jennavieve Walsh CVT, ASNW 10-29-2021 01:31:56 PM Admin	CARLTON,WILLOW 20211029-132702-6481	ABD HP	SP5-
Willow Carlton							
SPECIES	Canine						
BREED	Cattle Dog Mix						

SEX Female

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.

AGE 18 Weeks

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

WEIGHT 23 Pounds

INTERPRETED BY Eric Lindquist, DMV, DABVP, Cert. IVUSS

HOSPITAL NAME Banfield of South Eugene

REFERRING VET Dr. Garretson

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