



**PATIENT PRESENTING CLINICAL SIGNS**

**Baby Hung** History: dental specialist was to extract teeth causing severe sinusitis - heart murmur. Current meds: Vetmedin 2.5mg BID, Enalapril 5mg SID, Clindamycin 150mg BID  
 Abnormal PE/Chem/CBC/UA Results: n on 12/10/22

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**BREED**

Dachshund

**SEX**

Neutered male

The echocardiogram in this patient demonstrated contained volume of the **left atrium and left ventricle**. **Mitral** valve thickening was noted with moderate insufficiency. The **left ventricular outflow** tract was unremarkable other than aortic insufficiency. 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. Periodic arrhythmia was noted in this patient.

**AGE**

14 years

EA ratio 0.91

**WEIGHT**

19.8 lbs

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.26		1.23	1.41	62	92	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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	BELOW	BELOW	BELOW	BELOW
PATIENT	154	1.92	0.99	19.8 lbs	3.5	2.66	

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

Whippany VH

**REFERRING VET**

Dr. Cordero

**ULTRASONOGRAPHIC FINDINGS**

Compensated valvular disease.

Mitral and aortic insufficiency.

**INVOICE**

42895

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

2/21/23

The cardiac parameters have improved compared to the prior sonogram with improved left atrial volume. The contractility was maintained. I recommend continuation of the current protocol with



**PATIENT**

monitoring of blood pressure measurements. Trivial tricuspid insufficiency was noted. EKG is indicated to assess the arrhythmia noted. This may be a benign sinus arrhythmia.

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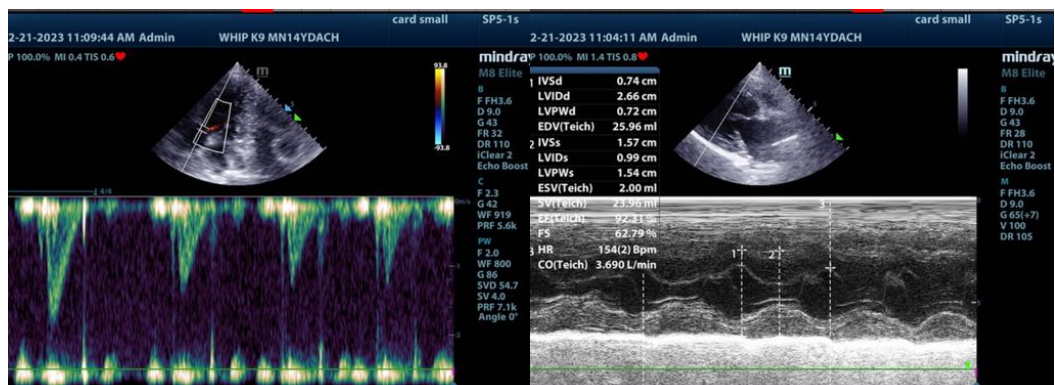
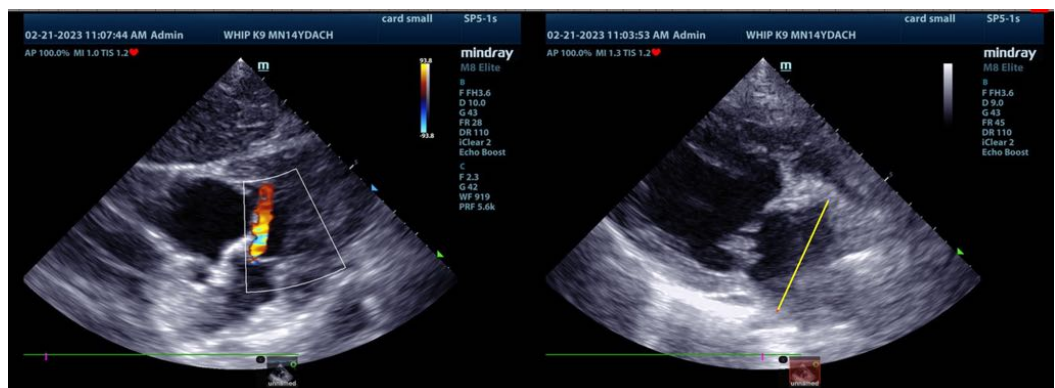
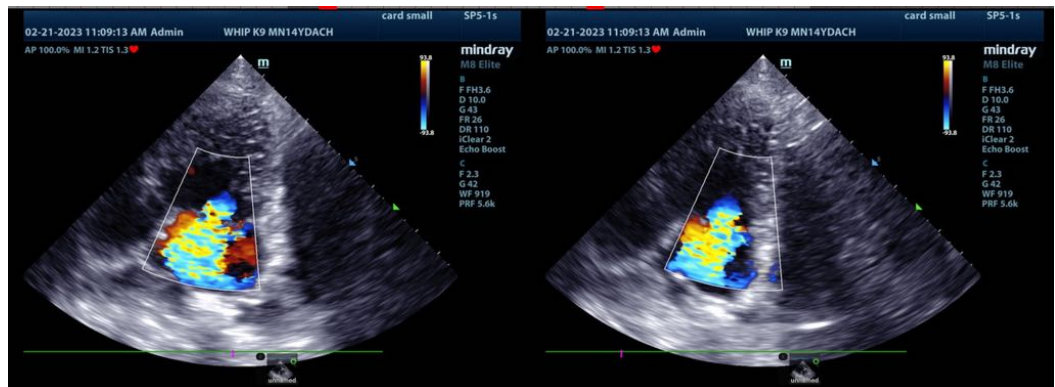
Dr. Cordero

**INVOICE**

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**DATE**

2/21/23





**PATIENT**

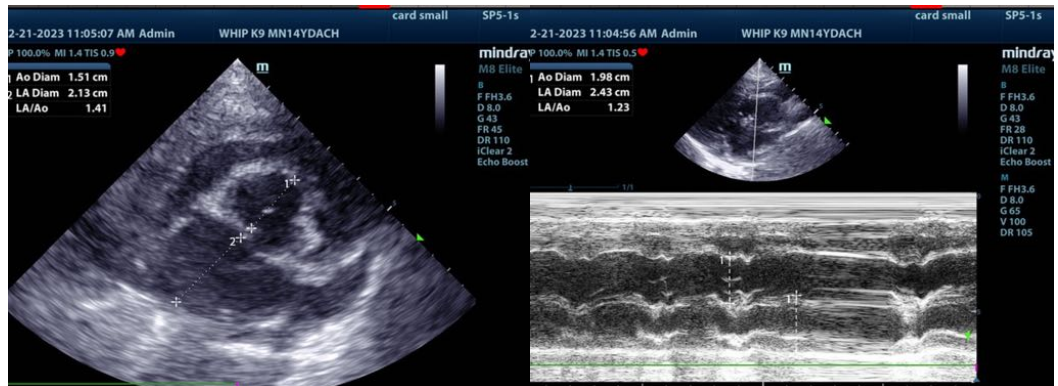
Baby Hung

**SPECIES**

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**BREED**

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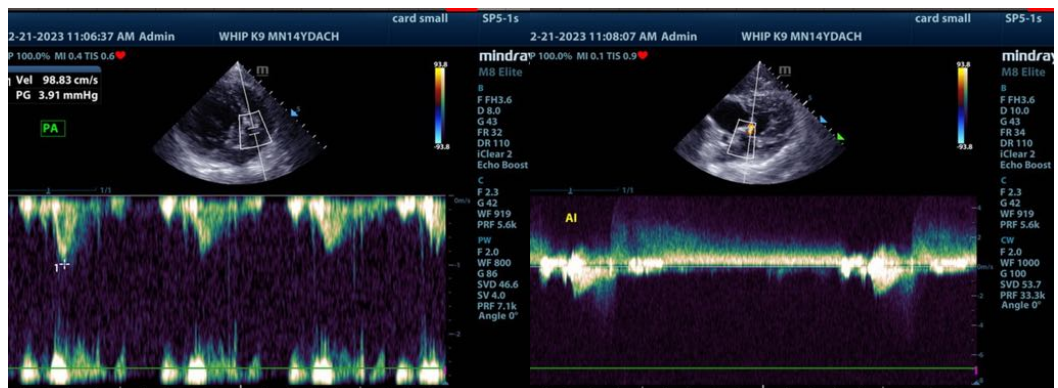
Neutered male

**AGE**

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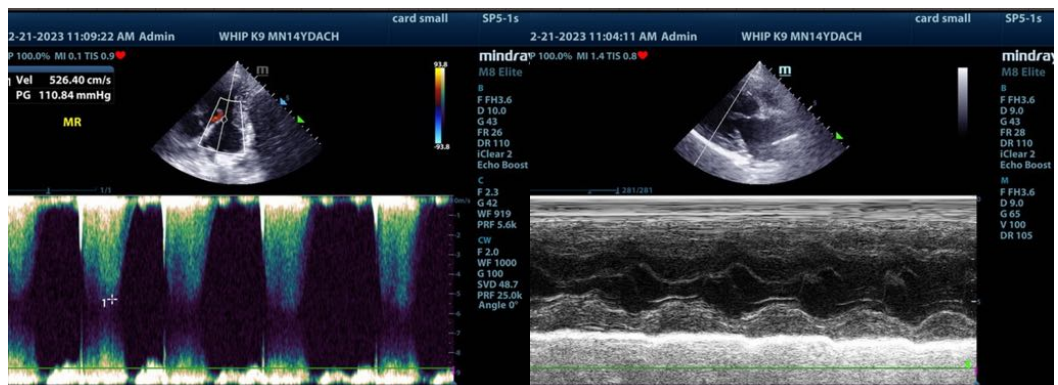
Dr. Cordero

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**DATE**

2/21/23



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.

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