


PATIENT

Koda Vimini

PRESENTING CLINICAL SIGNS

 History: Recheck echo. Prior episode of CHF following a dental. Assess prior to repeat dental.
 -Pertinent previous echo findings (6/2021 MML): Mild MR, no LAE, mild TR: 2.5m/s. LA: 1.5, LV: 2.4.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild diffuse thickening of mitral valve leaflets with no prolapse into the left atrial lumen. Mild eccentric mitral regurgitation with no left atrial dilation. Normal MR velocity. Normal LV diameter with adequate myocardial function. The tricuspid valve appears mildly thickened with mild to moderate tricuspid regurgitation. Velocity consistent with early pulmonary hypertension. Mild right heart/MPA enlargement. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

BREED

Chihuahua Mix

SEX

Male Neutered

AGE

10 years

CARDIAC CHART
WEIGHT

13lbs

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	5.4	3.0	NM	1.2	47	81	NM
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	BELOW	BELOW	BELOW	BELOW
PATIENT	210	1.9	1.3	5.9	1.6	2.0	1.1
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

 Hawkins Animal
 Hospital

REFERRING VET

Dr. Hawkins

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chronic degenerative valve disease persists with development of mild pulmonary hypertension. This was not noted in the prior study and is of unknown significance in an asymptomatic dog. The right heart and MPA are mildly enlarged, supporting this development. That being said, the changes are overall mild, with little risk for complication at this time. The left heart disease appears mild and well compensated for with no progressive left heart enlargement. No additional issues are identified.

INVOICE

26313

DATE

9/12/22



PATIENT

Koda Vimini

Development of pulmonary hypertension is most commonly secondary to chronic respiratory disease; however, no symptoms are noted in this patient. Should a cough develop, it is important to note that the cough leads worsening PAH, rather than being the cause of the cough. No treatment is indicated at this time as the findings are mild however, should any exertional syncope develop, reassessment is certainly advised.

SPECIES

Canine

Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage. Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit. Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

BREED

Chihuahua Mix

SEX

Male Neutered

No cardiac contraindication for general anesthesia is identified in this study. Recommend pre-oxygenate for 5-10 minutes prior to induction and recover in an O2 chamber.

AGE

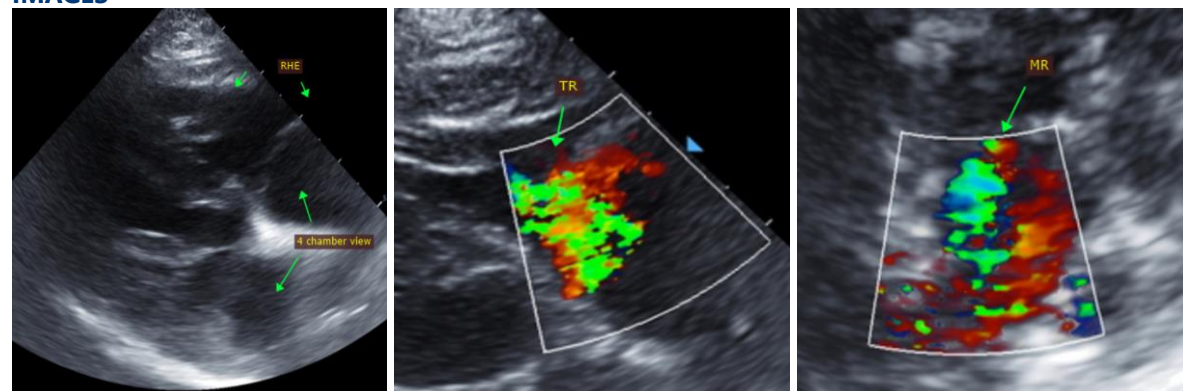
10 years

Recommend conservative monitoring with a recheck echocardiogram in 6-12 months, sooner if any development of clinical signs.

IMAGES

WEIGHT

13lbs



INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

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.

HOSPITAL NAME

Hawkins Animal
Hospital

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

REFERRING VET

Dr. Hawkins

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DATE

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