



PATIENT

Ava Nichols

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Female Spayed

AGE

9 years

WEIGHT

11lbs

INTERPRETED BY

Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Crystal Hill, RVT

HOSPITAL NAME

Novel VC

REFERRING VET

Dr. Gibbs

INVOICE

45840

DATE

11/19/25

PRESENTING CLINICAL SIGNS

History: Recheck echo. History of Cushing's disease; managed on natural supplements. History of collapsing trachea. Has been on Adrenal Gold PetWellBeing and Gabapentin. Abdominal distension, suspected hepatomegaly. Was given 5 days of Furosemide.

-Pertinent previous echo findings (7/2025 CR): CVD B1. Large volume ascites. Discontinue Lasix.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild diffuse thickening of mitral valve leaflets with no obvious prolapse into the left atrial lumen. Trace MR. Normal left atrial dimension. Small LV with mild hypertrophy. Adequate myocardial function. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. A dynamic RVOT and LVOT obstruction are noted, depending on HR. No pulmonic insufficiency. No AI. The aortic root appears dilated. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

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	NM	2.5	1.4	1.3	45	78	0.3
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	160	2.2	2.5	5.5	1.6	2.1	1.2
*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)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				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)
Adapted from June Boon, Veterinary Echocardiography, 1998				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
Rishniw M and Hollis NE, J Vet Intern Med 2000; 14:429-435				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
Hansson et al, Vet Rad and Ultrasound 2002				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
Bonagura et al. Echocardiography: principles of interpretation, Vet Clin North Am 15:1177, 1995				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)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The academic diagnosis in this case could be argued. In my opinion the MR seen here is trivial and the valve appears normal, which would likely suggest that valve disease is unlikely. It is not mentioned if there is a murmur; however, the only cause of a murmur appears to be mildly elevated flow through both great vessels, which was documented in the prior report as well. This can often accompany volume depletion and **lab work should be repeated**. Additionally, a baseline BP is recommended. Overall, what is seen here is similar to the prior evaluation, simply with a difference in interpretation.



PATIENT

Ava Nichols

No cardiac medications are indicated at this time. There is no mention as to previously documented ascites and an AUS report is pending.

SPECIES

Canine

Monitor for development of a progressive cough, labored breathing, exercise intolerance or collapse episodes.

BREED

Chihuahua Mix

No contra-indication for general anesthesia.

PLAN

Baseline BP and lab work strongly recommended.

SEX

Female Spayed

Recommend a recheck echocardiogram in 1 year to reassess LV dimensions, sooner if any development of clinical signs.

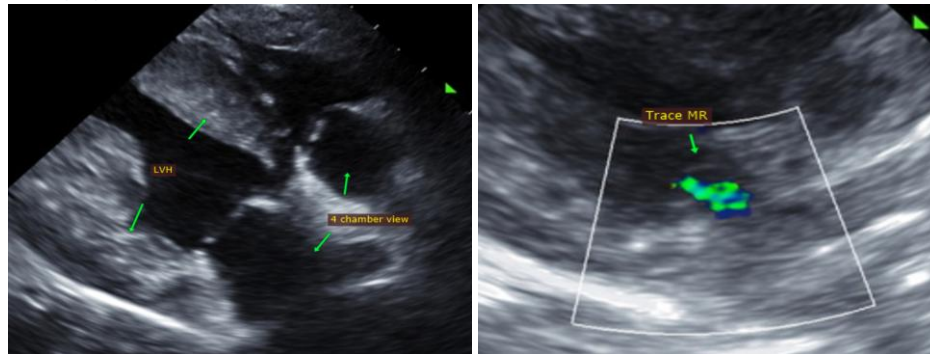
AGE

9 years

WEIGHT

11lbs

IMAGES



INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Crystal Hill, RVT

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.

HOSPITAL NAME

Novel VC

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

REFERRING VET

Dr. Gibbs

INVOICE

45840

DATE

11/19/25