
PATIENT

Mitsy Perras

PRESENTING CLINICAL SIGNS

History: ECG abnormalities under GA for dental: bradycardia, heart block, sinus arrhythmia. ECG when awake was normal. No murmur or arrhythmia on auscultation.
 -Current medications: Deramaxx, fluoxetine
 -Abnormal PE/Chem/CBC/UA Results: ProBNP 1245.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild mitral valve thickening with no prolapse into the left atrial lumen. Trace central mitral regurgitation with a normal left atrial dimension. Normal LV diameter with 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. 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

Bichon

SEX

Female Spayed

AGE

9 years

CARDIAC CHART
WEIGHT

27.3lbs

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	NA	1.1	1.3	41	73	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	150	1.3	0.9	12.4	1.6	3.2	1.8
*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

 Hartzel Animal
 Hospital

REFERRING VET

Dr. Morris

INVOICE

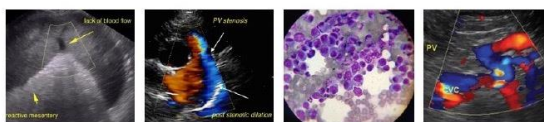
27811

DATE

12/5/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac dimensions and function, with no obvious dysfunction or dilation of the left heart. Trace MR and mild valve thickening may suggest early valve disease; however, a physiologic origin is also possible. Follow up should a murmur be ausculted in the future. No other significant valvular leaks are visualized, and no evidence of pulmonary hypertension.



PATIENT

Mitsy Perras

These findings do not explain NT-proBNP elevation nor arrhythmias under anesthesia. A drug reaction is suspected; however, follow up and treatment should be based upon the ECG evaluation. A baseline BP is recommended as a possible cause of BNP elevation.

SPECIES

Canine

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

BREED

Bichon

A recheck echocardiogram is recommended should a significant murmur develop, or signs of cardiac compromise be noted in the future.

IMAGES

SEX

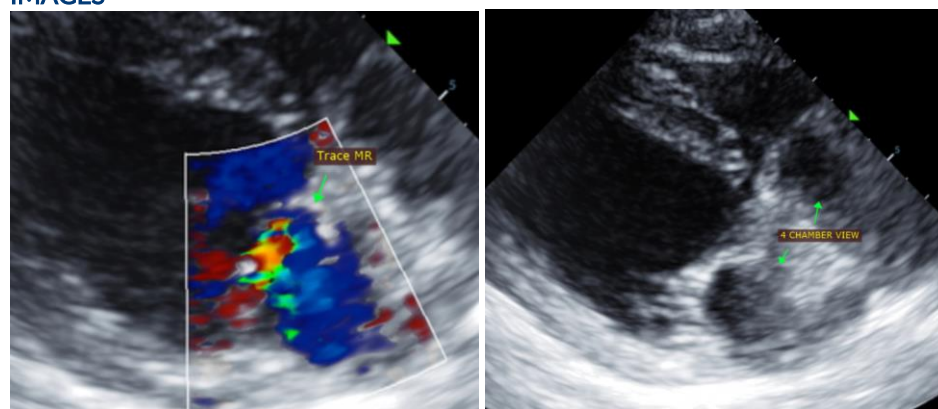
Female Spayed

AGE

9 years

WEIGHT

27.3lbs



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

Kelly Reschny, 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.

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

HOSPITAL NAME

Hartzel Animal
Hospital

REFERRING VET

Dr. Morris

INVOICE

27811

DATE

12/5/22