



PATIENT PRESENTING CLINICAL SIGNS

Rusty Connor

History: Recheck echo. Previous heartworm infestation. Last injection administered 11/2021.
Current Medications: Gabapentin, Carprofen, Dermoscent, Gentacalm, Chlorhex wipes, Provable, Metronidazole.

SPECIES

Canine

-Pertinent previous echo findings (10/2021 MML): Normal LH, no TR, mild MPA dilation. Adult worm suspected in deep right branch/MPA. Mild RHE.

BREED

German Shepherd Mix

ECHOCARDIOGRAM FINDINGS
2D, m-mode, color flow and doppler imaging is available. Mild thickening of mitral valve with no prolapse into the left atrial lumen. Trivial MR; normal LA dimension. No LV dilation with adequate myocardial function. The MPA and branches are minimally dilated. No obvious worms seen in the RA or RV or MPA/branches. Minimal right atrial dilation. RV appears normal with no obvious RVH. No tricuspid regurgitation. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No pulmonic or aortic insufficiency. No pericardial or pleural effusion.

AGE

5 years

CARDIAC CHART

WEIGHT

91lbs

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	1.4	32	60	0.19
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	85	1.6	0.8	41.3	3.0	4.5	3.1
*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

Rebekah Jakum, CVT ARDMS/RVT

HOSPITAL NAME

Pottstown Animal Wellness Services

REFERRING VET

Dr. DiBuono

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely unchanged cardiac dimensions and function are appreciated in this study. The distal MPA does not show obvious evidence of persistent adult worms. The right heart/MPA remain minimally dilated, potentially with mild improvement. No additional issues are identified.

INVOICE

23237

DATE

3/22/22

Assuming that the patient is doing well at home, no obvious indication for medications at this time. Recommend heartworm antigen test 6 months following Immiticide therapy to ensure heartworm status is negative. Additionally, repeat chest radiographs are recommended to re-establish a



PATIENT Rusty Connor
baseline for future comparison. Even if the infection was cleared, these patients remain at risk for development of lower airway disease and/or pulmonary hypertension later in life. Serial monitoring is advised for clinical signs.

SPECIES Canine
Prognosis is open at this time.

BREED German Shepherd Mix
No cardiac contraindication for general anesthesia.

SEX Male Neutered
A recheck echocardiogram is only necessary if a murmur or signs of pulmonary hypertension (exertional dyspnea or collapse) are noted in the future.

PLAN

Recommend heartworm antigen test at 6 months post-tx, in addition to baseline chest radiographs. Reassess chest radiographs in the future if respiratory signs develop.

IMAGES

AGE

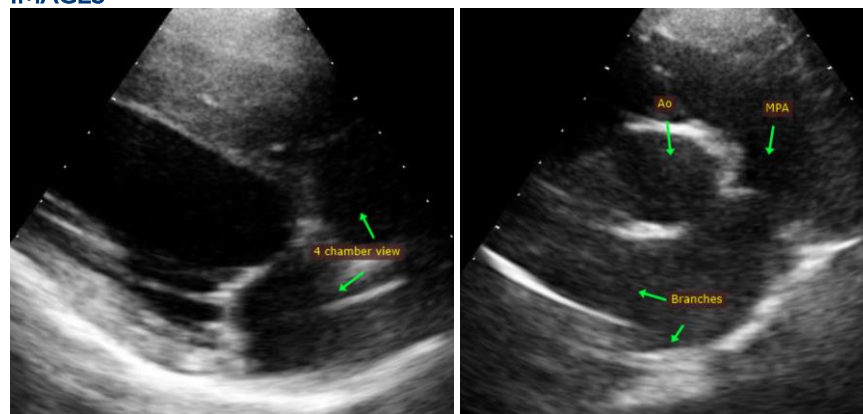
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ARDMS/RVT

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.

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

Pottstown Animal
Wellness Services

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REFERRING VET

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