



**PATIENT**

Poppy Charney

**SPECIES**

Canine

**BREED**

Springer Spaniel

**SEX**

Female Intact

**PRESENTING CLINICAL SIGNS**

History: Presented to ER clinic for GI upset and tongue wound. Chest radiographs were taken which raised concern for possible right side heart enlargement and/or pericardial effusion.

**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. No mitral regurgitation; normal left atrial dimension. Mild LV dilation in both systole and diastole (LVIDdN: 1.9, LVIDsN: 1.4) with mildly depressed myocardial function. Mild increase in sphericity. The tricuspid valve appears normal with trivial tricuspid regurgitation. Normal velocity. Normal right atrial and ventricular diameter and morphology; no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. No AI or PI appreciated. No pericardial or pleural effusion noted. No obvious cardiac masses.

**CARDIAC CHART**

**AGE**

3 years

**WEIGHT**

39.2lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

S. Barthelemy, DVM

**HOSPITAL NAME**

Aspen Animal  
Hospital

**REFERRING VET**

Dr. Ross

**INVOICE**

28821

**DATE**

2/7/23

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	NA	2.1	1.2	1.3	22	40	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	87	1.2	1.0	17.8	2.8	4.5	3.5
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>				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)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The only abnormality identified is mild LV enlargement with mildly depressed myocardial function. In a young athletic dog, this may be a normal variant; however, there is some concern given the combination and significance of the findings. Monitoring for progression is certainly advised. No additional issues are identified, and the LA is normal, indicating a low risk for complication at this time.

Given the recent evidence of grain free/boutique diets leading to DCM in some (but certainly not all) dogs, highly recommend a thorough diet history in this patient. If grain free, exotic ingredient



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Poppy Charney

or boutique brand (BEG), recommend immediate change to a more standard well formulated diet. Additionally, a thyroid level should be assessed as a possible contributing issue.

**SPECIES**

Canine

Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes. Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.

**BREED**

Springer Spaniel

No cardiac contraindication for general anesthesia.

**SEX**

Female Intact

**PLAN**

Avoid BEG diets in this patient.

Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs or a heart murmur.

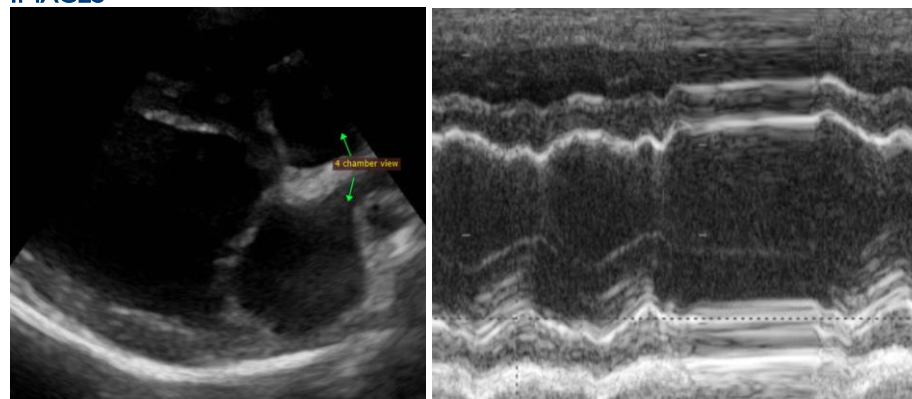
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**IMAGES**

**WEIGHT**

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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**

S. Barthelemy, DVM

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**

Aspen Animal  
Hospital

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

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