



PATIENT

Ace Patoka

SPECIES

Canine

BREED

King Charles Cavalier

SEX

Neutered male

AGE

14 years

WEIGHT

8.1 kg

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Dr. Gira

HOSPITAL NAME

Resolution VU

REFERRING VET

Dr. MacAulay

INVOICE

73781

DATE

3/24/26

PRESENTING CLINICAL SIGNS

Heart disease, stable on vetmedin. Grade 3/6 murmur, primarily left sided/axilla. No crackles or wheezes in the lungs. Pre-dental screen.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium is moderate to severely enlarged. The left ventricle is moderately enlarged with normal systolic function. The right atrium and ventricle are normal in dimension with normal systolic function. The anterior and posterior mitral valve leaflets are thickened and redundant consistent with myxomatous changes, and there is mild prolapse. There is mild to moderate mitral regurgitation identified. The tricuspid valve leaflets are thickened and redundant with mild tricuspid regurgitation and no evidence of pulmonary hypertension. The left ventricular outflow tract demonstrated normal laminar flow and the visible aorta is unremarkable. The right ventricular outflow tract assessment revealed normal laminar flow and appropriate diameter and distensibility. There is mild pulmonic and no aortic valve insufficiency identified. There is no visible pericardial, pleural, or free peritoneal fluid documented. No evidence of hepatic venous congestion is noted. The cardiac chambers, pericardial and visible extra-cardiac regions were free of masses, spontaneous echo contrast, or thrombi.

CANINE CARDIAC PARAMETERS	Body Weight kg	HR BPM	LAD 4 ch Long	RAD 4 ch Long	La/Ao Heart Base	LVIDd	LVIDs
NORMAL PARAMETER		50-100			<1.6		
PATIENT	8.1 kg	70	4.18	2.36	1.71	3.77	2.0
CANINE CARDIAC PARAMETERS	FS	EPSS	PV V MAX (m/s)	AV V Max (m/sec)	MR Vmax	TR Vmax	RPA distensibility (normal >30%)
NORMAL PARAMETER	28-40	<0.6	0.7-1.6	0.7-1.7	4.5-5.5	< 2.7	
PATIENT	47	0.5	0.7	1.4	5.7	2.4	37

ULTRASONOGRAPHIC FINDINGS

These findings are consistent with degenerative/myxomatous mitral valve disease with moderate hemodynamic effects consistent with at least ACVIM Stage B2. The distinction between ACVIM stage B2 and ACVIM Stage C (congestive heart failure) is made via evidence of pulmonary edema (traditionally via thoracic radiographs).

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the degree of chamber dilation, cardiac therapy with enalapril (0.5 mg/kg BID assuming normotension and lack of renal insult) and Vetmedin (0.25-0.35 mg/kg BID) is recommended. If there is evidence of pulmonary edema on thoracic radiographs, the addition of furosemide (2mg/kg BID) is recommended. In the absence of pulmonary edema, a cough suppressant may help alleviate any cough



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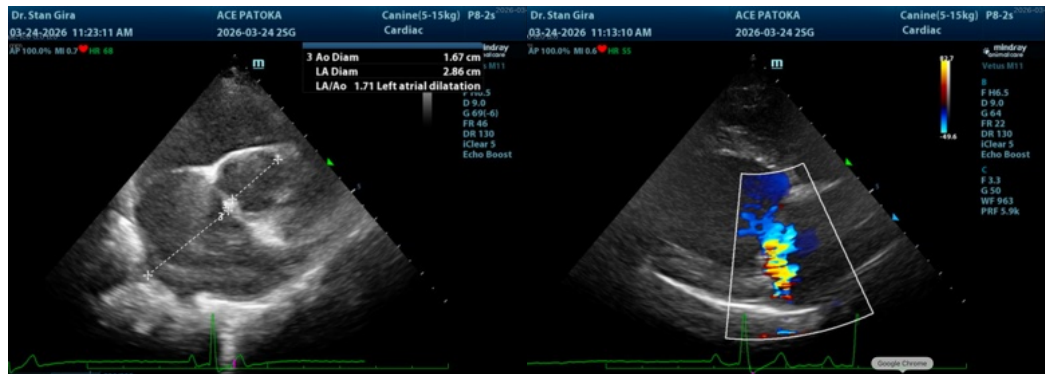
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)

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