



PATIENT

Zoomi Lugod

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

13 years

WEIGHT

29 lbs

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Julia Bakker

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Dr. Day

INVOICE

74062

DATE

4/2/26

PRESENTING CLINICAL SIGNS

- Pet has a history of Murmur, Hypertension and Hepatopathy
- Grade 5/6 left systolic murmur
- BP 199/114, MAP 139
- Meds: enalapril 5mg po q 24 hrs, lasix 25mg q 12 hrs, vetmedin

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium is normal in dimension. The left ventricle is normal in dimension 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 no significant prolapse. There is mild to moderate mitral regurgitation identified. The tricuspid valve leaflets are appropriately thin with adequate apposition and intact chordae, 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, with appropriate main pulmonary artery diameter and right pulmonary artery distensibility. There is no 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	13.18 kg	NM	3.04	2.03	1.25	2.17	1.26
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	42	0.4	0.9	1.1	5.1	2.0	NM

ULTRASONOGRAPHIC FINDINGS

These findings are consistent with degenerative/myxomatous mitral valve disease with minimal to mild hemodynamic effects consistent with ACVIM Stage B1 disease (MINE 2 score 3 - mild). It is unlikely that any current morbidity is of cardiac origin.



PATIENT

Zoomi Lugod

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

13 years

WEIGHT

29 lbs

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Julia Bakker

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Dr. Day

INVOICE

74062

DATE

4/2/26

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given these findings, discontinuation of the furosemide and Vetmedin is reasonable; however, any concurrent disease with the combination of diuretics may be artifactually decreasing left sided chamber dimensions. Regardless, the underfilled left side warrants temporary reduction/weaning of diuretics in the absence of a recurrence/relapse of clinical signs. If there is no adverse effect of discontinuing diuretics, then Vetmedin can also be discontinued. Given the systemic hypertension, enalapril is still recommended, with the addition of amlodipine if hypertension remains uncontrolled. There are no cardiac contraindications to anesthesia, fluid therapy, vasopressor therapy, or corticosteroids as indicated for further assessment and treatment. If not already performed, baseline thoracic radiographs and blood pressure are recommended. A recheck echocardiogram is recommended in 3 months if diuretics are discontinued, or 6 months if medications are left unchanged.

Anesthesia considerations:

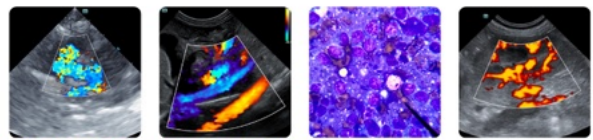
If anesthesia is necessary, alpha-2 agonists, ketamine, high dose acepromazine, and Telazol should be avoided. Fluid therapy during anesthesia should be considered at a conservative rate (e.g., 5 ml/kg/hour) if possible.

Diet:

A high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina that is highly palatable with adequate protein and calories for maintaining optimal body condition is reasonable.

Activity:

No special considerations are necessary.



PATIENT

Zoomi Lugod

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

13 years

WEIGHT

29 lbs

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Julia Bakker

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

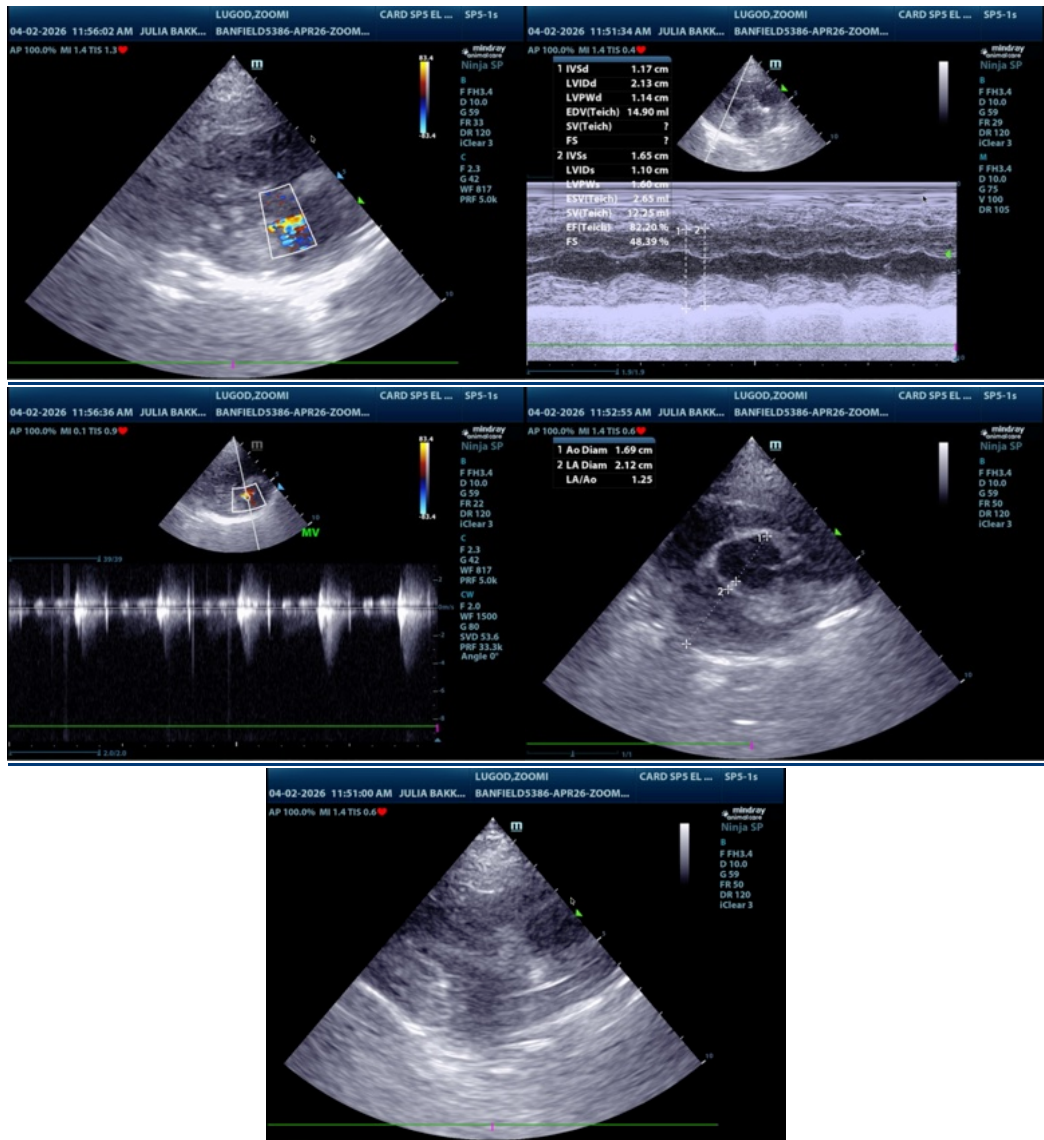
Dr. Day

INVOICE

74062

DATE

4/2/26



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)

info@SonoPath.com