



PATIENT

Brie Bertholf

SPECIES

Canine

BREED

Maltese

SEX

Spayed Female

AGE

12 Years

WEIGHT

13 Pounds

INTERPRETED BY

Laurent Locquet, DVM,
MRCVS, GPCert, (VC)
Diplomate, ECVIM-CA

IMAGING PERFORMED BY

Meghan Morse, LVT,
CVT

HOSPITAL NAME

Banister AH

REFERRING VET

Dr. Banister

INVOICE

36295

DATE

3/19/26

PRESENTING CLINICAL SIGNS

- Grade 3/6 Heart Murmur
- Needs anesthetic clearance

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	5.1	3.2	1.65	1.12	36	67	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (lbs)	LAD LA MAX 4 Chamber	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				
PATIENT	--	0.93	0.73	13 lbs	27.3 mm	2.53	1.63

Cardiac Presentation

The mitral valve leaflets are mildly thickened with moderate to severe mitral regurgitation posteriorly directed. There is no prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size with severe tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is mild pulmonic insufficiency. There is no evidence of aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Myxomatous mitral valve disease, ACVIM stage B-1
- Moderate to severe Mitral valve regurgitation
- Concurrent severe tricuspid valve regurgitation
- Mild pulmonic insufficiency

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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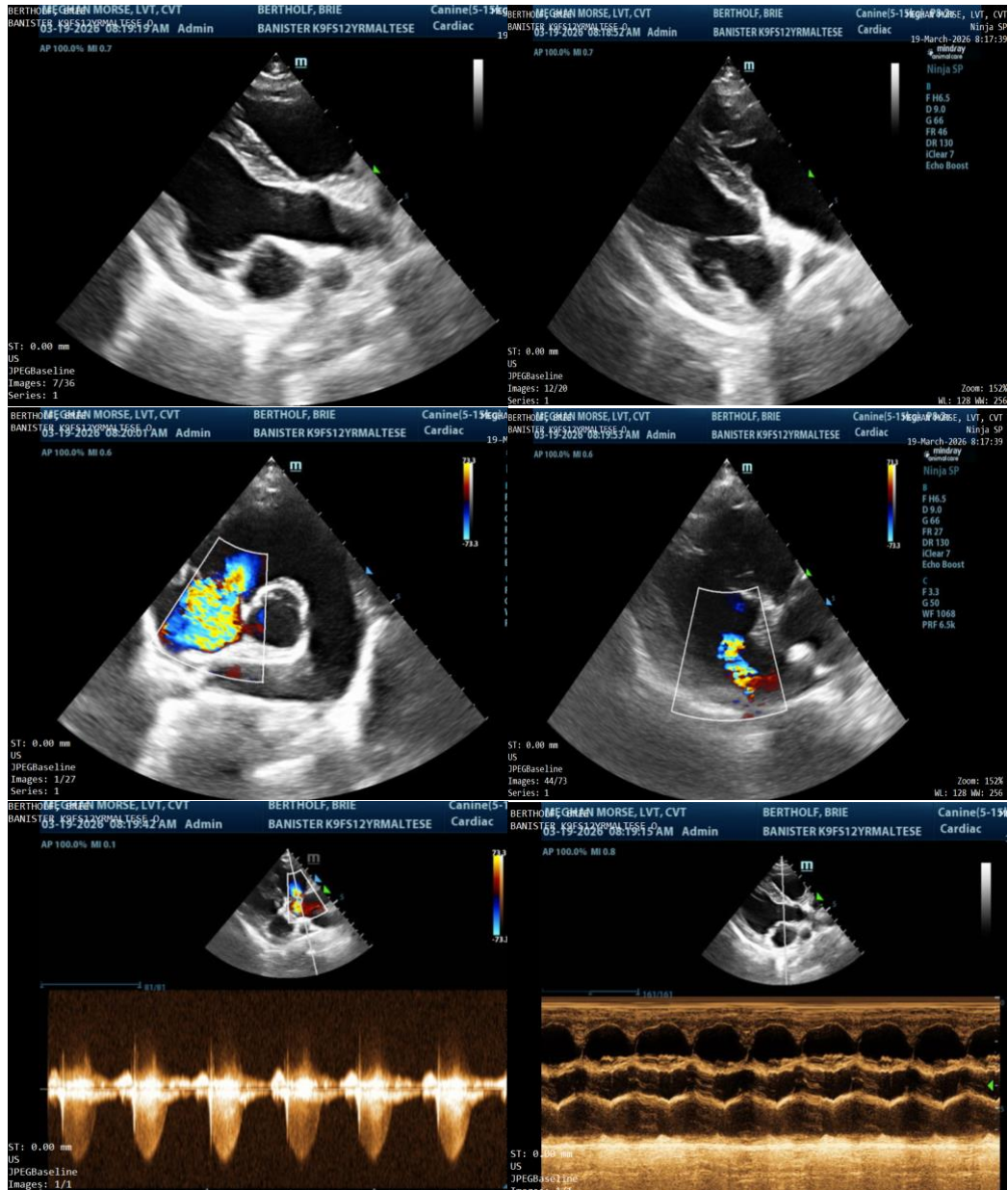
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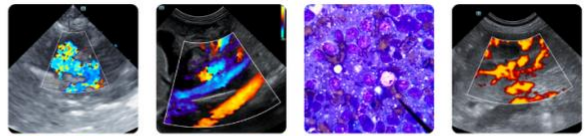
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No medications are necessary. Recheck is recommended in 1 year unless there are any concerns. For the anesthesia, it's good to go, but be careful with overzealous fluid therapy (maximum 1x maintenance), and if in doubt, you can do the combination of 0.2 mg/kg midazolam + 0.3 mg/kg butorphanol, and then alfaxalone to effect.



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



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can be of any further assistance please contact me.

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