



PATIENT

Princess Bella Baird

SPECIES

Canine

BREED

Bichon Frise

SEX

Spayed female

AGE

9 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

PRESENTING CLINICAL SIGNS

- Chronic worsening cough
- pulmonary edema on radiographs and lung ultrasound
- started on furosemide 2mg/kg bid - still unstable - moved to tid
- grade 1 murmur
- differentiating from cardiogenic and non cardiogenic pulmonary edema

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated minimal insufficiency. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** was slightly enlarged with a 1:1 ratio with the left atrium in four chamber right parasternal long axis. **Tricuspid** valvular assessment demonstrated adequate linear morphology. The **right ventricle** was slightly hypertrophied. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum and pericardial regions** were free of masses in the visible window. A large amount of pulmonary interference was noted in this patient.

IMAGING PERFORMED BY

Bill McGee DVM,
DABVP

HOSPITAL NAME

Bridgeport Animal
Hospital PLLC

REFERRING VET

Dr. McGee

INVOICE

71691

DATE

2/18/26

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	-	-	1.1	1.3	50	85	0.4
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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	60	1.03	0.5	15 lbs	2.2	2.3	

ULTRASONOGRAPHIC FINDINGS

Stage B1 valvular disease.



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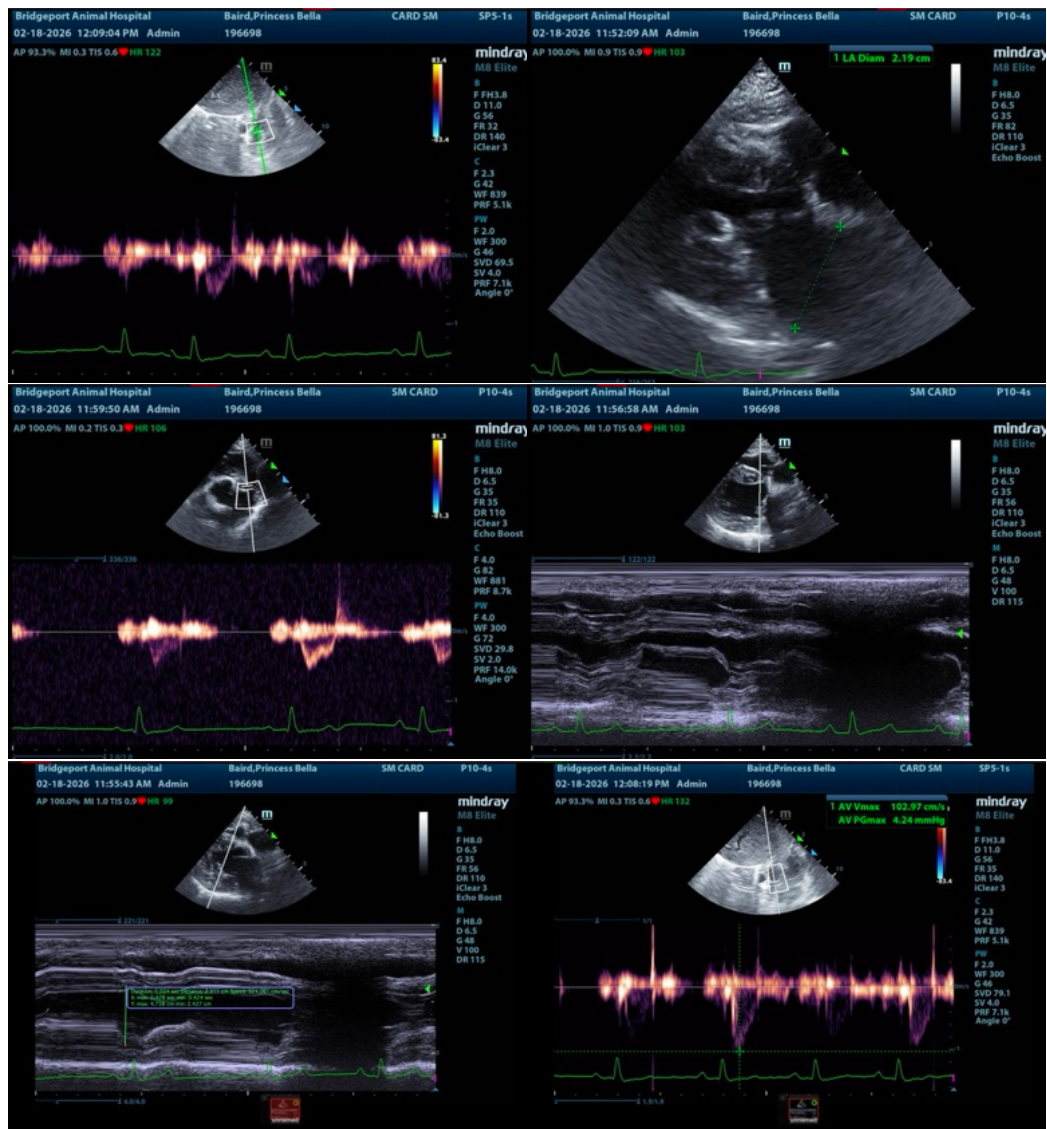
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of left-sided volume overload in this patient. Respiratory signs are non-cardiogenic. EKG is indicated to ensure block is not an issue.





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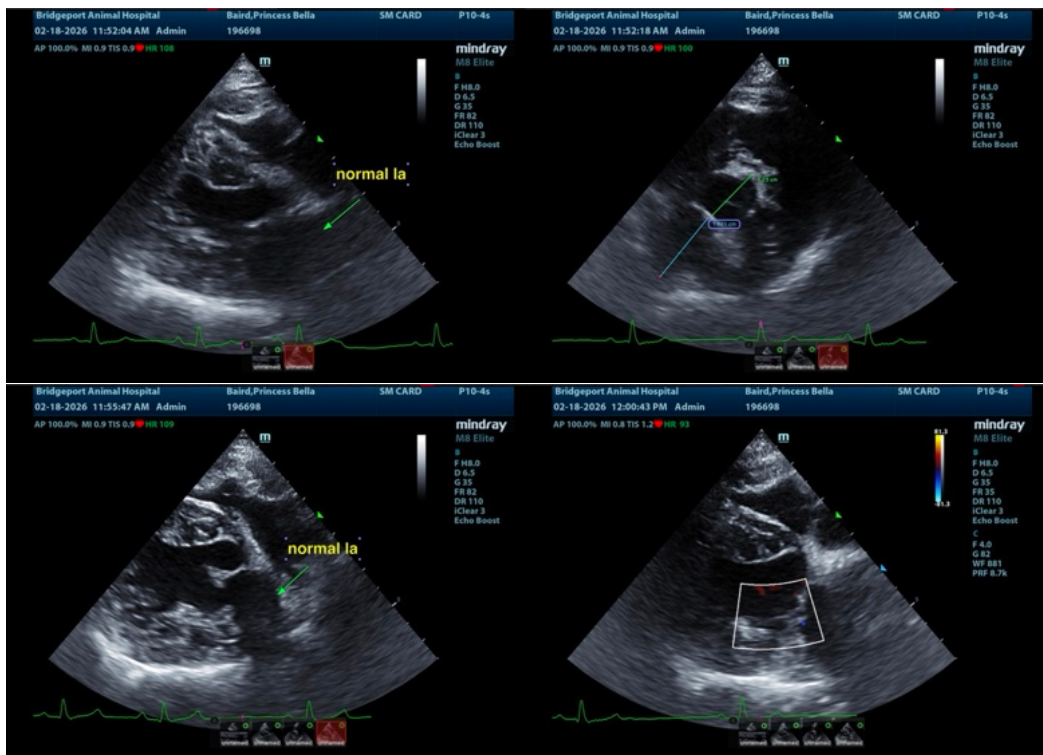
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

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