



PATIENT

Bonnie Beckman

SPECIES

Canine

BREED

Mix

SEX

Spayed female

AGE

5 years

WEIGHT

67.6 lbs

PRESENTING CLINICAL SIGNS

History: Presented as a referral: Presented to primary DVM on 10/20/22 for mild lethargy, dyspnea at rest, and hyporexia. Cardiac auscultation revealed a left systolic heart murmur, grade II-III/VI, that had not previously been heard. Otherwise physical exam was within normal limits. NSAID toxicity as a puppy. Historical elevation of liver and kidney values. Latest chemistry had normal liver enzymes, BUN, and creatinine levels. Meds: Pimobendan - 7.5mg PO q12hrs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented normal 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. Trivial aortic insufficiency was noted. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Trivial **tricuspid** insufficiency was noted. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** 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. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Evoniuk

HOSPITAL NAME

State Ave VC

REFERRING VET

Dr. Evoniuk

INVOICE

42306

DATE

11/3/22

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.15	1.2	45	90	NM
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	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	100		1.1	67.6 lbs	2.5	3.5	



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ULTRASONOGRAPHIC FINDINGS

Essentially normal echocardiogram with tricuspid insufficiency.

Trivial aortic insufficiency.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Mix

I cannot rule out minor mitral insufficiency. I do not see a need for Pimobendan at this time as the volumes are normal. Further Doppler evaluation of the mitral valve is indicated. However, no volume overload or dysfunction is present. I recommend abdominal sonogram given the patient's history if not already performed.

SEX

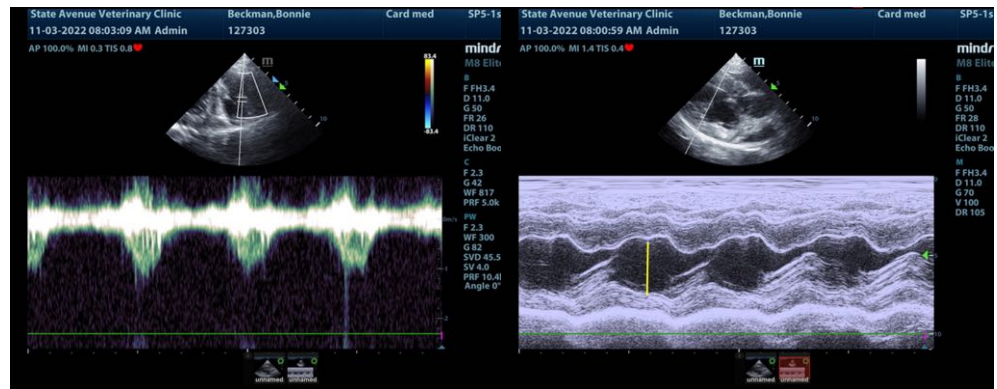
Spayed female

AGE

5 years

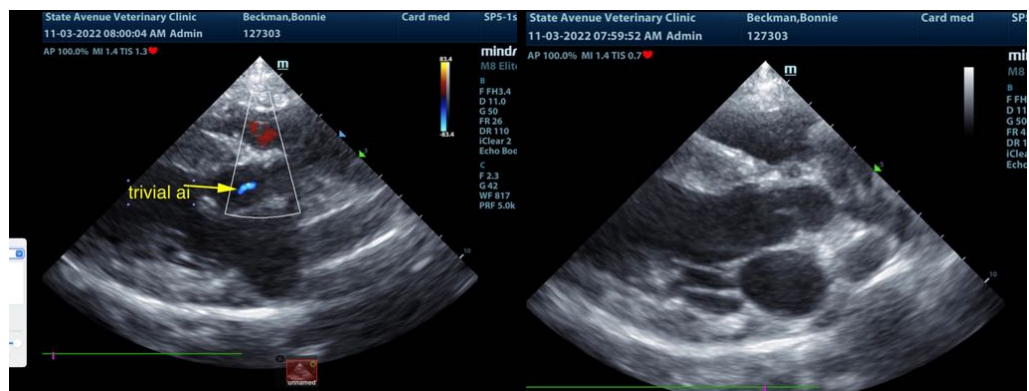
WEIGHT

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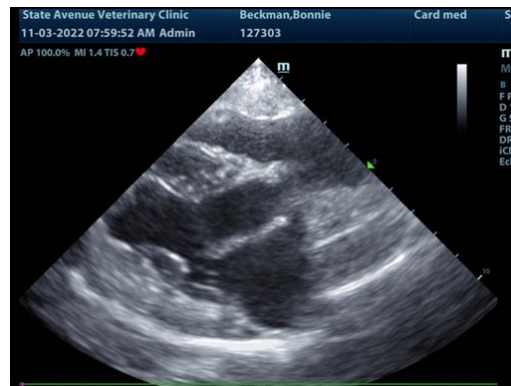
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com