
PATIENT

Huron Forster

PRESENTING CLINICAL SIGNS

 History: Heat cycle was about 6 months ago; on exam today has mild mucoid vaginal discharge. Grade 3/6 Systolic Heart Murmur.
 -Abnormal PE/Chem/CBC/UA Results: CBC and chem-unremarkable. HR: 96, RR: 32.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Minimal diffuse thickening of mitral valve leaflets with no obvious prolapse into the left atrial lumen. No mitral regurgitation is identified. Normal left atrial dimension. Normal LV diameter with adequate myocardial function. The tricuspid valve appears subjectively normal, with no tricuspid regurgitation. The right heart is normal (subjective). No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. No aortic abnormalities identified, however the LVOT velocity is mildly elevated. Mildly elevated pulmonic outflow velocities. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac tumors observed.

BREED

Burnese Mountain Dog

SEX

Female Intact

AGE

1 year

CARDIAC CHART
WEIGHT

73.6lbs

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NA	NA	NM	1.0	39	70	0.25
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	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	176	2.46	2.4	33.4	2.3	3.9	2.4
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

 Beattie Pet Hospital
 East Hamilton

REFERRING VET

Dr. Wittenrich

INVOICE

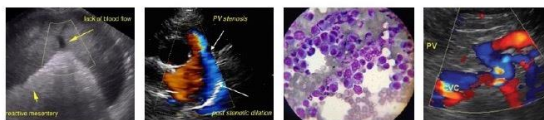
21401

DATE

10/6/21

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The only cause of a murmur identified is increased flow velocity through both great vessels. No obvious valvular or subvalvular abnormalities are visualized, and in the absence of structural abnormalities this is considered a benign flow murmur. Given that this is a new murmur and the patient has potential to be going into heat, this may simply be the explanation. That being said, if the murmur persists despite the heat cycle, reassessment is advised. Technically any velocity >2.2 through the aortic root is a contraindication for breeding; however, if this improves following the heat cycle concern



PATIENT

Huron Forster

may be low. No significant valvular insufficiencies were noted, and no structural issues identified.

SPECIES

Canine

No cardiac medications are indicated. No cardiac contraindication for general anesthesia.

BREED

Burnese Mountain Dog

Monitor for any development of cough, labored breathing or exercise intolerance.

SEX

Female Intact

If the murmur persists following the heat cycle, reassess ideally with a Cardiologist for an OFA screening if patient is utilized for breeding.

IMAGES

AGE

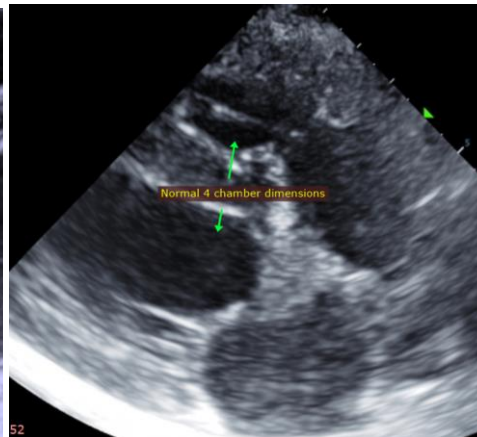
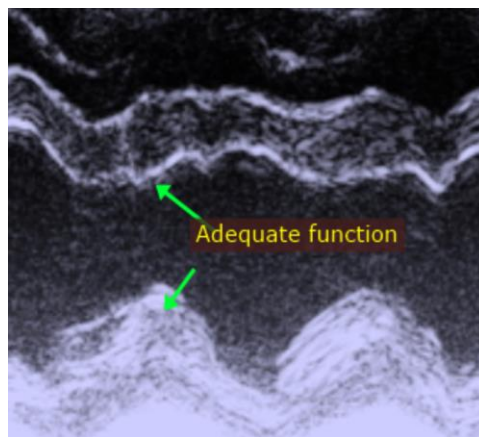
1 year

WEIGHT

73.6lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)



IMAGING PERFORMED BY

Kelly Reschny, RVT

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

HOSPITAL NAME

Beattie Pet Hospital
East Hamilton

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

REFERRING VET

Dr. Wittenrich

Maggie Machen Lamy, DVM
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