



PATIENT PRESENTING CLINICAL SIGNS

Kali Voth History: Presented for breed screening, murmur ausculted. BP: 141/104 104 121/92 100mmhg.

SPECIES ECHOCARDIOGRAM FINDINGS

Canine 2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. No mitral regurgitation with no left atrial dilation. Normal LV diameter with adequate myocardial function. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic valve is normal in morphology and mobility. Mildly thickened aortic valve. Normal pulmonic and mildly elevated aortic outflow velocities. No obvious pulmonic or aortic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

BREED

American Bulldog

SEX

Female Intact

CARDIAC CHART

AGE

2 years

WEIGHT

65lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

Graham Animal
Hospital

REFERRING VET

Dr. Levstein

INVOICE

23132

DATE

3/16/22

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			1.1	1.2	49	81	NM
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	150	2.8	1.7	29.5	2.4	4.0	2.0
*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)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The only abnormality identified is increased flow velocity through the aortic valve. The aortic valve appears minimally thickened, and this likely represents a mild form of aortic stenosis. No obvious subaortic ridge is visualized. It is reasonable to monitor periodically via recheck echocardiography in the future; however, this is likely a benign issue for this animal. No significant valvular insufficiencies were noted, and no additional structural issues identified.

Although this degree of disease will not likely impact lifespan or quality of life, this is however a contraindication for breeding. Breeding this animal is not advised due to the



PATIENT

Kali Voth

link to significant aortic valve abnormalities. A second opinion through an OFA exam by a local Cardiologist would be reasonable in this borderline case.

SPECIES

Canine

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

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

BREED

American Bulldog

Recommend recheck echocardiogram in 12-18 months to screen for progression or development of concurrent cardiac disease that the preexisting murmur may mask.

SEX

Female Intact

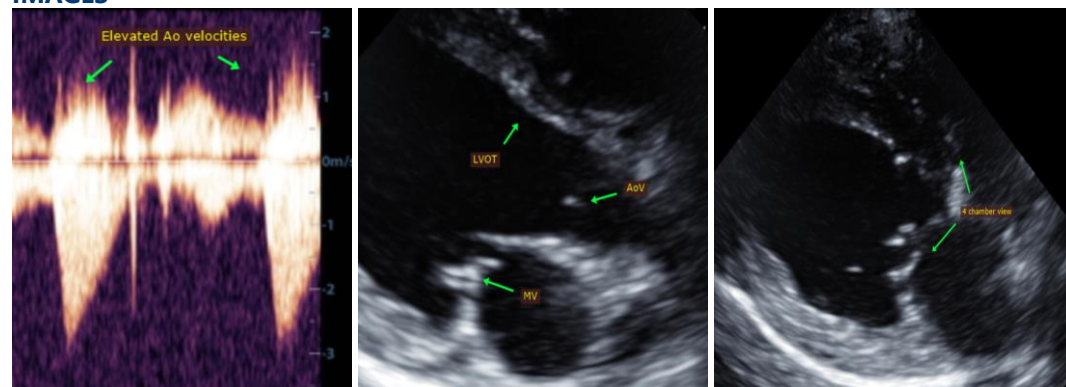
AGE

2 years

WEIGHT

65lbs

IMAGES



INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Kelly Reschny, RVT

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.

HOSPITAL NAME

Graham Animal
Hospital

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

REFERRING VET

Dr. Levstein

INVOICE

23132

DATE

3/16/22