


PATIENT

Oliver Kaytar

PRESENTING CLINICAL SIGNS

History: Grade 3/6 left systolic heart murmur. Has had heart murmur since first appointment in Jan (was a 2/6) but is gradually worsening. Assess prior to neuter.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

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. Normal LV wall dimensions with no obvious hypertrophy. 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 appears normal in morphology and mobility. Normal pulmonic outflow velocities with laminar flow. The aortic valve is abnormal with abnormal closure. A bicuspid valve is suspected in some views. Mildly increased LVOT velocity consistent with stenosis. No obvious sub-aortic component. Mild aortic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

BREED

American Bulldog

SEX

Male Intact

AGE

6 months

CARDIAC CHART
WEIGHT

9.9lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING
PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

 Main Street Animal
 Hospital

REFERRING VET

Dr. Albright

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	1.2	33	60	0.5
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	125	2.9	1.3	14.5	2.0	3.0	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 cause of the murmur is mild aortic stenosis due to an abnormal aortic valve. A bicuspid morphology is suspected, although difficult to confirm. Regardless, the degree of abnormality is mild, with a mildly increased pressure gradient and normal LV wall thickness, indicating the disease is likely of minimal clinical significance. Prognosis is likely good; however, follow up is advised once the puppy is full stature, as this can progress. A small aortic leak is identified, and a baseline BP is recommended as the patient ages. No additional issues are identified.

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DATE

4/1/22



PATIENT

Oliver Kaytar

No cardiac medications are indicated at this time. From a cardiac standpoint, monitor for development of collapse episodes, labored breathing or exercise intolerance, as AS patients are more predisposed to development of arrhythmias than to CHF (particularly Boxers and Bulldogs).

SPECIES

Canine

Anesthetic risk is low. Avoid heart rate stimulating drugs such as atropine or glycopyrrolate unless clinically indicated. Recommend prophylactic antibiotics for any orthopedic or dental procedure in the future given slight predisposition to endocarditis.

BREED

American Bulldog

Recommend recheck echocardiogram at 12-18 months of age to screen for progression, sooner should any clinical signs arise.

SEX

Male Intact

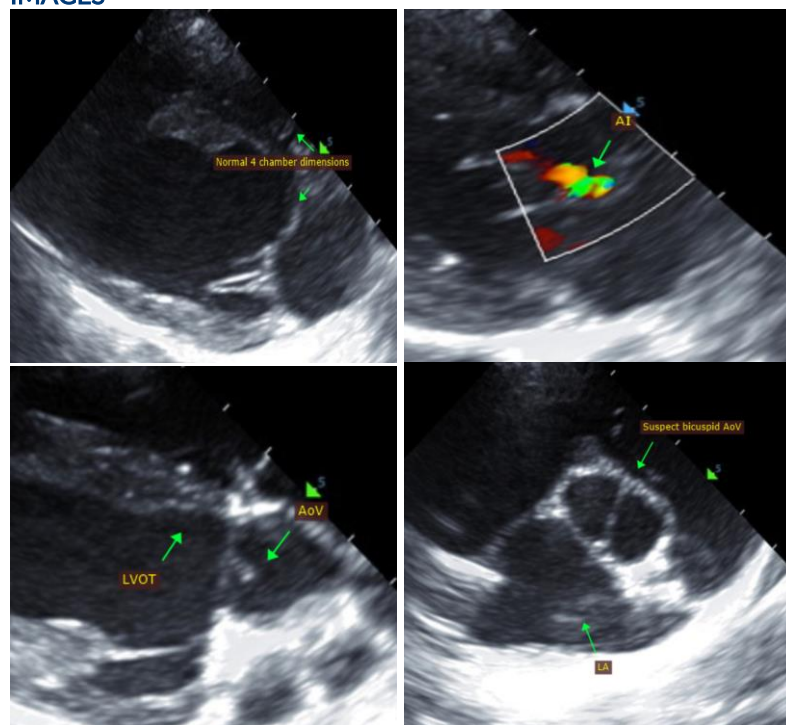
IMAGES

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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.

REFERRING VET

Dr. Albright

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.

INVOICE

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DATE

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