
PATIENT PRESENTING CLINICAL SIGNS

Lola Recchiuti
 History: Anorexia. Abdominal pain. Grade 1/6 heart murmur.
 -Current Medications: Galliprant, Adequan, Cerenia.

SPECIES **RADIOGRAPHIC FINDINGS** *NOTE: Images submitted for supplemental cardiac information only.
 Canine Normal cardiac silhouette. No obvious evidence of CHF.

BREED ECHOCARDIOGRAM FINDINGS

Beagle Mix 2D, m-mode, color flow and doppler imaging is available. Mild thickening of the MV leaflets with no prolapsing into the LA lumen. Mild eccentric mitral regurgitation with No left atrial dilation. Normal LV diameter with adequate myocardial function. Hyperechoic lesion associated with the anterior TV leaflet (see below) seen traversing the valve. Mild tricuspid regurgitation. No significant right atrial and ventricular enlargement. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

SEX

Female Spayed

AGE

12 years

WEIGHT CARDIAC CHART
WEIGHT

23.6lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM, DACVIM
 (Cardiology)

IMAGING PERFORMED BY

 Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

 Lehigh Valley Animal
 Hospital (Bath)

REFERRING VET

Dr. Tan

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	NM	NM	NM	1.3	32	60	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	NM	1.3	0.8	10.7	1.5	3.1	2.1
*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)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				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)

Adapted from June Boon, Veterinary Echocardiography, 1998
 Rishniw M and Hollis NE, J Vet Intern Med 2000; 14:429-435
 Hansson et al, Vet Rad and Ultrasound 2002
 Bonagura et al. Echocardiography: principles of interpretation, Vet Clin North Am 15:1177, 1995

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE 22889
DATE 3/2/22
 Chronic degenerative valve disease causing mild mitral and tricuspid regurgitation. Lack of significant left atrial enlargement indicates the current risk for complication is low. A highly unusual hyperechoic lesion is seen that appears adhered to the anterior leaflet of the TV valve. Differentials include a vegetative lesion, small tumor or thrombus. Atypical degeneration is possible, although in light of a systemically ill patient, there is concern for endocarditis or neoplasia in this case. No additional issues are noted at this time.



PATIENT

Lola Recchiuti

Pending abdominal ultrasound results, referral for advanced imaging is recommended at a multi-specialty Center. If endocarditis is suspected, immediate aggressive medical management, blood cultures, etc. are likely warranted. If suspected, an endocarditic lesion is typically secondary to infection elsewhere in the body rather than being a primary cause, and full systemic evaluation is certainly advised.

SPECIES

Canine

At this time, no medications are clearly indicated. Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1). Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit. Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

BREED

Beagle Mix

SEX

Female Spayed

Anesthesia is not advised pending further evaluation.

AGE

12 years

PLAN

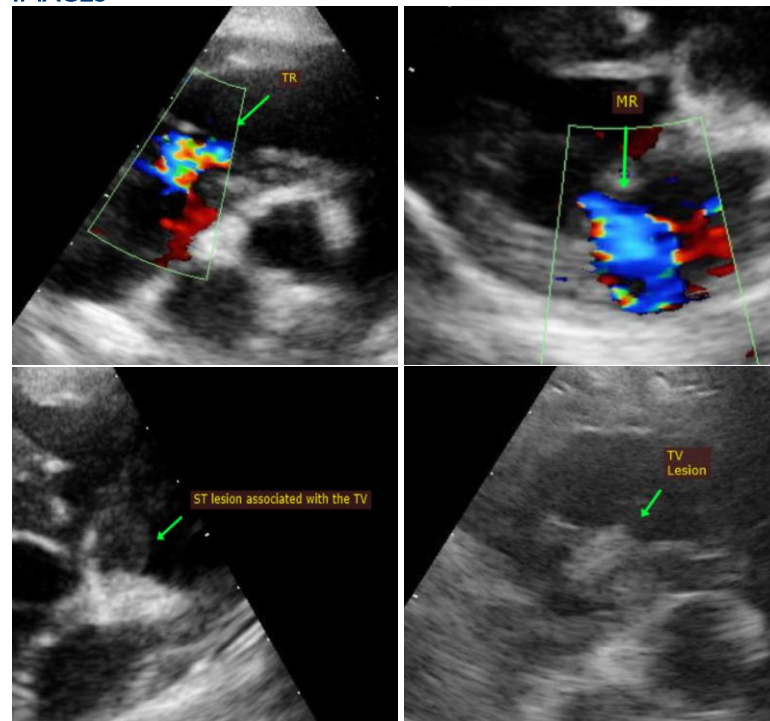
Immediate referral for advanced echocardiography is recommended, ideally at a multi-specialty Center. If endocarditis is suspected, blood cultures, aggressive antibiotic therapy and potentially cardiac supportive medications are likely warranted.

WEIGHT

23.6lbs

Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs.

IMAGES



INTERPRETED BY

Maggie Machen Lamy,
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(Cardiology)

IMAGING PERFORMED BY

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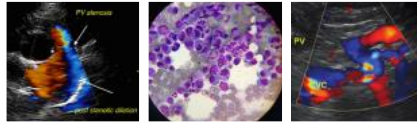
Dr. Tan

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PATIENT

Lola Recchiuti

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.

SPECIES

Canine

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.

BREED

Beagle Mix

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SEX

Female Spayed

AGE

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