

PATIENT

Mickey Alaimo

SPECIES

Canine

BREED

Maltese

SEX

Male Neutered

AGE

13 years

PRESENTING CLINICAL SIGNS

History: Patient went to ER facility for "episodes", no work-up. Had blood work here, associate started Keppra. Owner called me patient had episode, tongue was out and blue, it urinated and defecated, got back up and was normal, no post-ictal phase. Patient has had heart murmur for years. Rec. check heart in case it is cardiac related, not seizures.

-Current medications: Keppra 250mgs 1/4-tab q8h.

-Abnormal PE/Chem/CBC/UA Results: (6/23/21): ALT 142, Bile acids WNL.

ECHOCARDIOGRAM FINDINGS

Normal mitral valve leaflets with no prolapse into the left atrial lumen. No mitral regurgitation with normal left atrial dimension. Normal LV diameter with adequate myocardial function. The tricuspid valve appears normal with trace tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and mildly elevated aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

WEIGHT

7.4lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Animal General on
Hudson

REFERRING VET

Dr. Tierney

| 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 | NM | 1.1 | 1.2 | 30 | 61 | 0.2 |
| 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 | 120 | 1.5 | 0.94 | 3.4 | 1.2 | 1.6 | 1.1 |
| *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

INVOICE

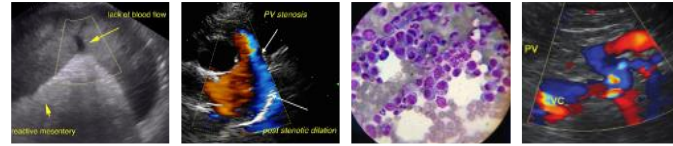
20625

DATE

8/18/21

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The only abnormality seen is trace TR. This is unlikely to be heard on exam and an intermittent flow murmur is suspected. No obvious structural abnormalities are identified, and the overall dimensions and functions are normal.



PATIENT

Mickey Alaimo

No structural cause of syncope is identified. This does not rule out arrhythmic or BP issues however, and further evaluation may be indicated (baseline ECG/BP to start).

SPECIES

Canine

No cardiac medications are indicated. Monitor at home for any further episodes, cough/labored breathing and/or exercise intolerance.

BREED

Maltese

Recheck echocardiogram is recommended 1 year to screen for development of disease the preexisting murmur may mask, sooner if any additional issues arise.

SEX

Male Neutered

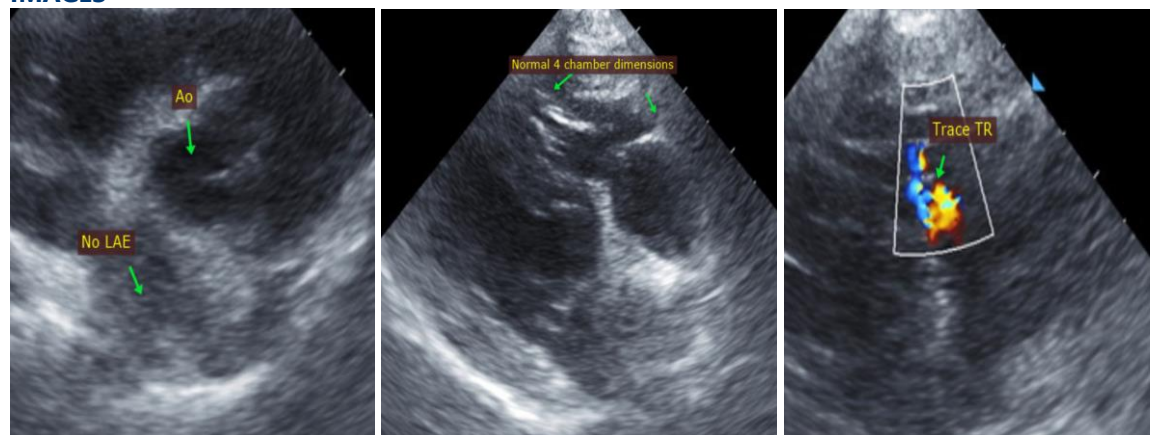
AGE

13 years

WEIGHT

7.4lbs

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 Vazquez, CVT

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

Animal General on
Hudson

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

REFERRING VET

Dr. Tierney

INVOICE

20625

DATE

8/18/21