



PATIENT

Sampson Vaccaro

SPECIES

Canine

BREED

Great Dane

SEX

Neutered male

AGE

6 years

WEIGHT

153.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Animaal Care Center of
Flanders

REFERRING VET

Dr. Hallihan

PRESENTING CLINICAL SIGNS

History: Panting, O concerned about underlying cardiac issues and requesting CUS. Current meds: Apoquel 2 tabs sid. U/S Sedation-Gabapentin, Trazodone, Torb.
Abnormal PE/Chem/CBC/UA Results: Eos 11

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Trivial **tricuspid** insufficiency was noted. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window. Tachyarrhythmia was noted in this patient.

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		2.0	1.16	1.26	30	56	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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	188	1.6	0.8	153.1 lbs	4.12	5.49	

INVOICE

31962

DATE

7/26/22



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ULTRASONOGRAPHIC FINDINGS

Tachyarrhythmia.

SPECIES

Canine

Structurally normal heart.

BREED

Great Dane

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

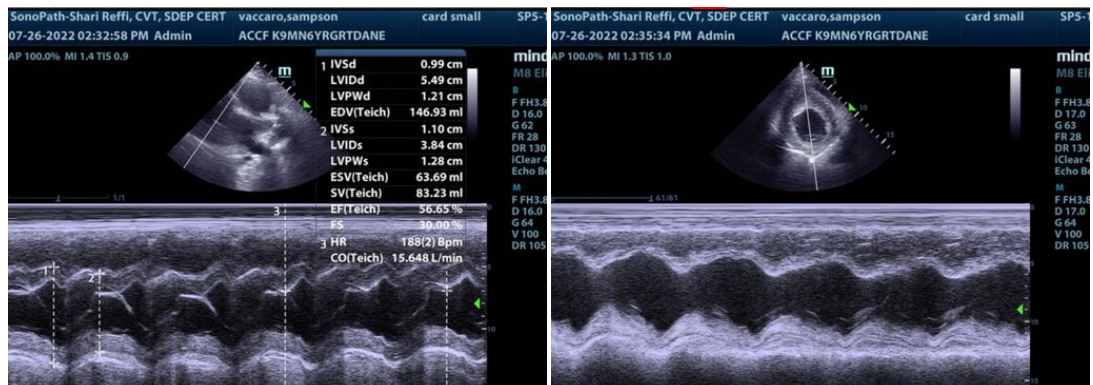
I recommend EKG or Holter monitor in this patient. Holter monitor can be obtained from our office. There is no cardiac dysfunction at this time. However, the rhythm should be documented and characterized if not already performed. Panting may be related to periodic arrhythmogenic activity. Hence Holter monitor would be ideal.

AGE

6 years

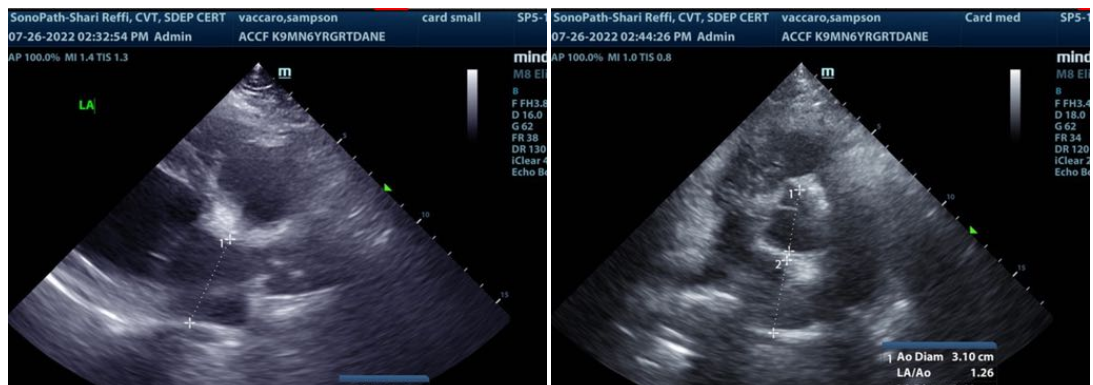
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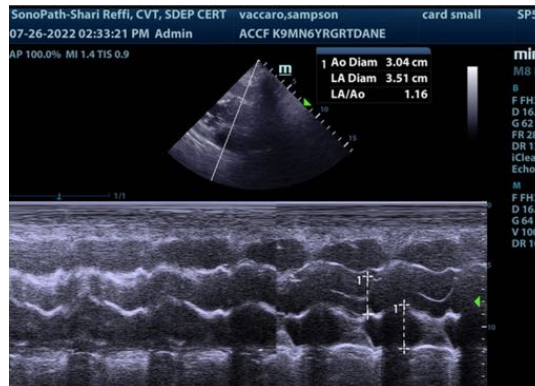
Dr. Hallihan

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

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com