



PATIENT PRESENTING CLINICAL SIGNS

Mona Lisa Althani

History: Being just relocated from Europe, the owner reports cough and not eating well. The dog is fully vaccinated. At the clinical presentation. Alert and responsive. Quite thin. HR 150 RR 36 MMC are pink and moist. Heart and lung sound clear. The tracheal sound is quite harsh. The xray provided in VD projection reveals increased radiopacity of the pulmonary veins compatible with pneumonia. The patient might be affected by Kennel cough so has been treated with doxycycline tabs

Abnormal PE/Chem/CBC/UA Results: The CBC reveal leukocytosis with Neutrophilia. HB, HCT, MCH, MCHC are slightly lower. The comprehensive reveals lower TP and Alb

SPECIES

Canine

BREED

Yorkshire Terrier

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

SEX

Female

AGE

8 months

WEIGHT

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. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. 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. Arrhythmogenic activity was noted.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Dr. Valentina

HOSPITAL NAME

The Veterinary Surgery

REFERRING VET

Dr. Fresta

INVOICE

43796

DATE

4/11/23

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	-	-	NM	1.1	45	NM	0.1
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	NM	NM		NM	1.67	



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ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram with arrhythmogenic activity.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG is indicated. The volumes and contractility were normal.

BREED

Yorkshire Terrier

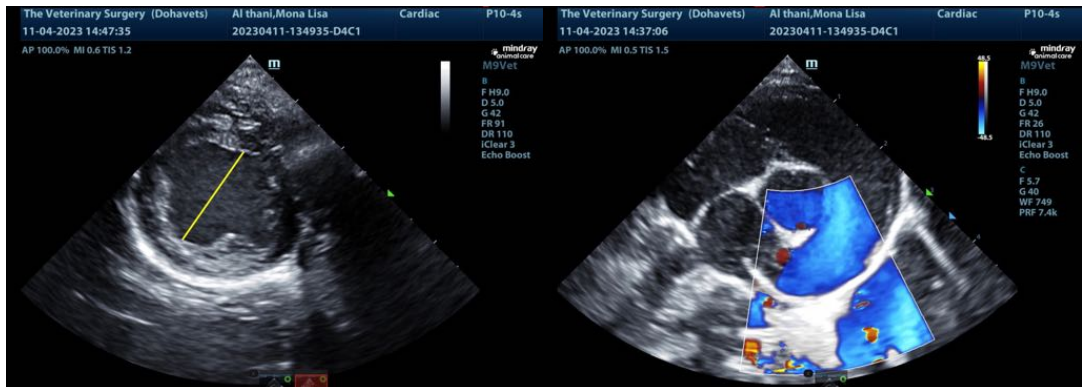
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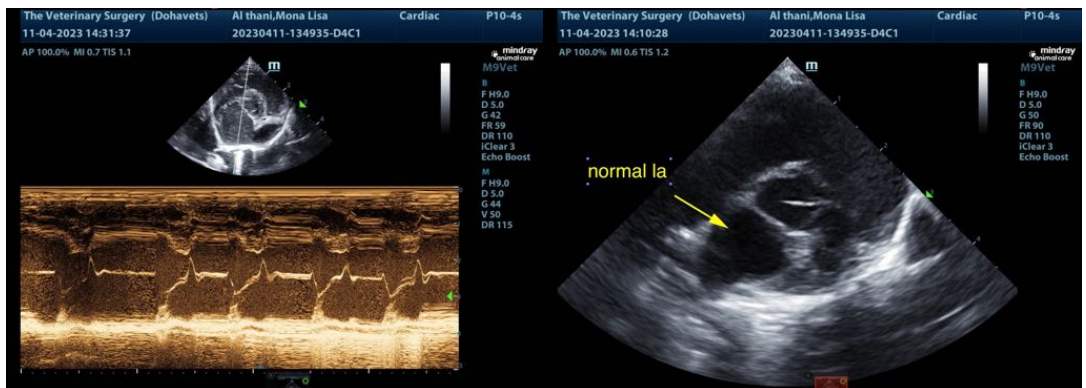
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

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info@SonoPath.com

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