


PATIENT PRESENTING CLINICAL SIGNS

Milo Acton History: P presented for drooling green/white has been going on for a few weeks and is not improving with antibiotic intervention as per O O would like P to undergo dentistry, but rad report states mediastinal mass in chest and recommends U/S before undergoing GA

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: meds: clindamycin, metacam Please see attached rads

BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Dane Mix

SEX

MN

AGE

10 YR

WEIGHT

45 KG

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	<1.3	28-40	40-100	<0.6
PATIENT			NM	1.0	45.2	80	0.47
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				
PATIENT	110	1.5	1.2		4.8	4.2	

INTERPRETED BY

 R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

 Beattie Pet Hospital
 Stoney Creek

REFERRING VET

Dr. Baskin

INVOICE

10610ag

DATE

05/13/2022

Cardiac Presentation

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). A visualized mass lesion in the area of the cranial thorax or mediastinum was not overtly evident with normal appearing aerated lung present. 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.



PATIENT **ULTRASONOGRAPHIC FINDINGS**

Milo Acton • Overtly normal cardiac structure and function for age/breed

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

A space occupying mass lesion was not overtly visualized in the area of the cranial thorax or mediastinum. However, in light of x-rays a small non displacing lesion surrounded by aerated lung within the cranial thorax or mediastinum cannot be excluded. At times aerated lung surrounding non expansive lesions in this area may not be visible with ultrasound. If strong clinical concern for a lesion a thoracic CT would likely be ideal, otherwise radiographic monitoring of the potential lesion with possible recheck echocardiogram if progressive enlargement of the lesion is noted could be considered. No anesthetic contraindications or indication for cardiac medications.

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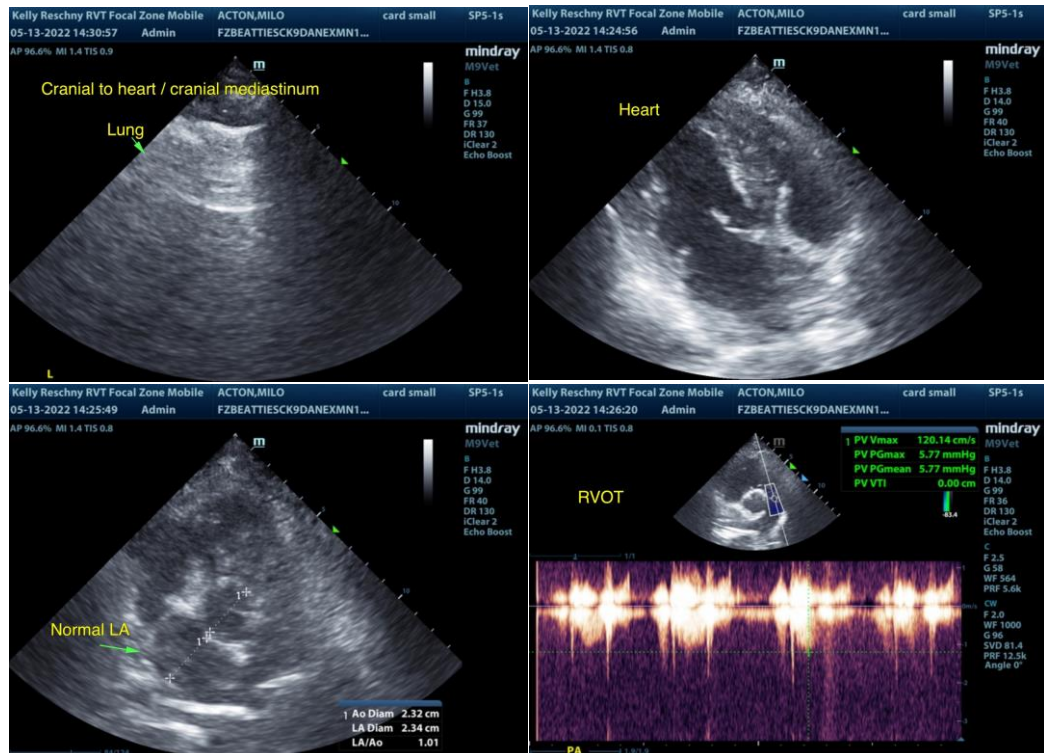
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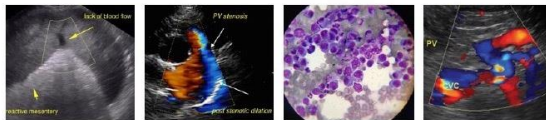
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

Milo Acton info@SonoPath.com

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