



PATIENT PRESENTING CLINICAL SIGNS

Scooby NJ South Hill History: patient coughs every morning, grade 2 HM

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Mix

SEX

Neutered male

AGE

7 years

WEIGHT

30.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

97061

DATE

3/22/22

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. 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** was slightly enlarged with a 1:1 ratio with the left atrium. Mild **tricuspid** insufficiency was noted. Minor **right ventricular** hypertrophy was noted. Elevated **pulmonic** outflow velocity was noted and consistent with pulmonic stenosis. Secondary pulmonic insufficiency was noted. Post valvular pulmonary artery dilation was noted. No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT		2.0	NM		30		0.2
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT		1.17	4.0	30.5 lbs		2.5	

ULTRASONOGRAPHIC FINDINGS

Moderate pulmonic stenosis with secondary concentric right ventricular hypertrophy and minor right atrial enlargement owing to secondary tricuspid insufficiency. The cough is non-cardiogenic in this patient.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Pulmonic stenosis is an incidental finding and largely compensated at this time; however, eventual balloon valvuloplasty may be necessary. Interventional cardiology referral is recommended.



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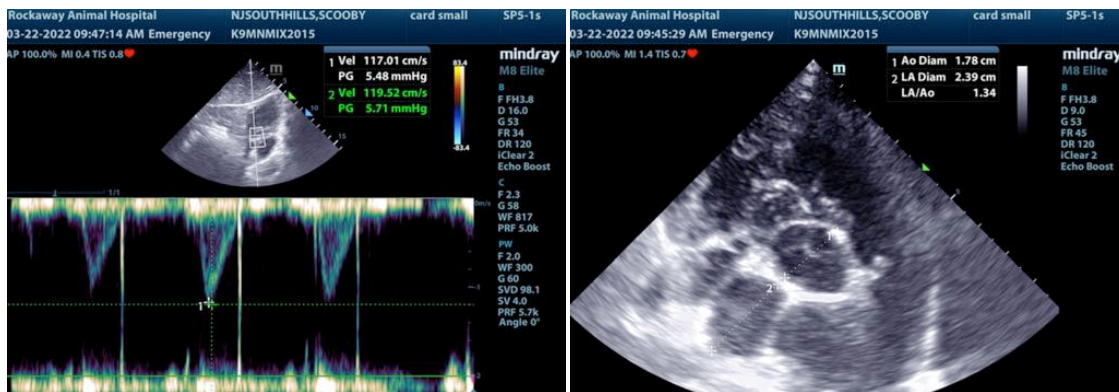
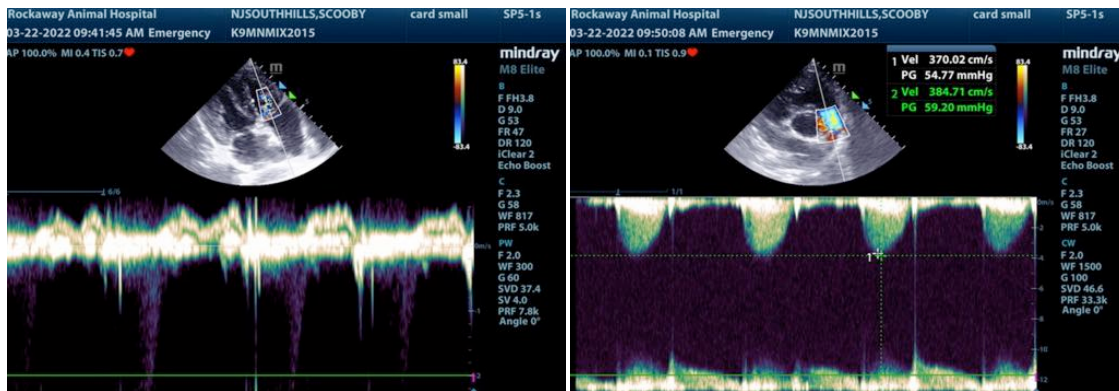
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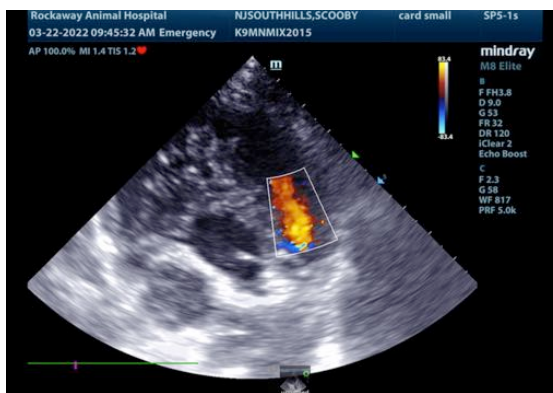
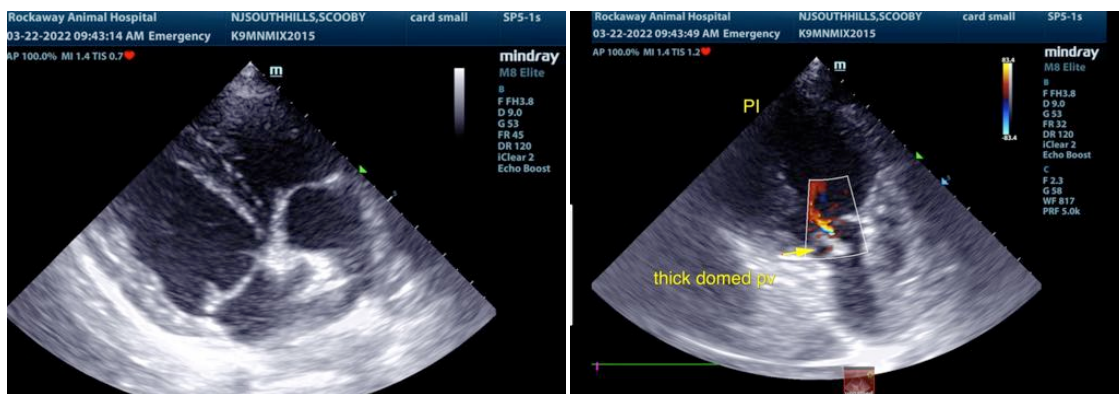
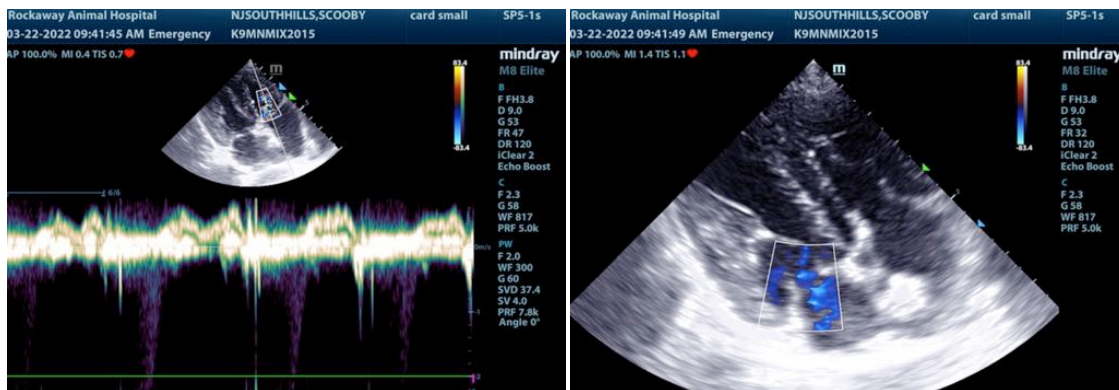
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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



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info@SonoPath.com

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