



PATIENT

Dopson Northstar
Rescue

SPECIES

Canine

BREED

Bichon

SEX

Male

AGE

7 years

WEIGHT

10.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Kahn

INVOICE

32472

DATE

8/23/22

PRESENTING CLINICAL SIGNS

History: recheck heart has been on meds for about a month has recently started coughing again, Checking if ok for neuter

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The cardiac presentation presented **mitral** valve prolapse, mild persistent **left atrial** enlargement. 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.

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			1.3	1.8	45	60	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	BELOW	BELOW	BELOW	BELOW
PATIENT		1.21	0.58	10.7 lbs	3.6 max	3.0	

ULTRASONOGRAPHIC FINDINGS

Mitral valve prolapse and mild left atrial enlargement.



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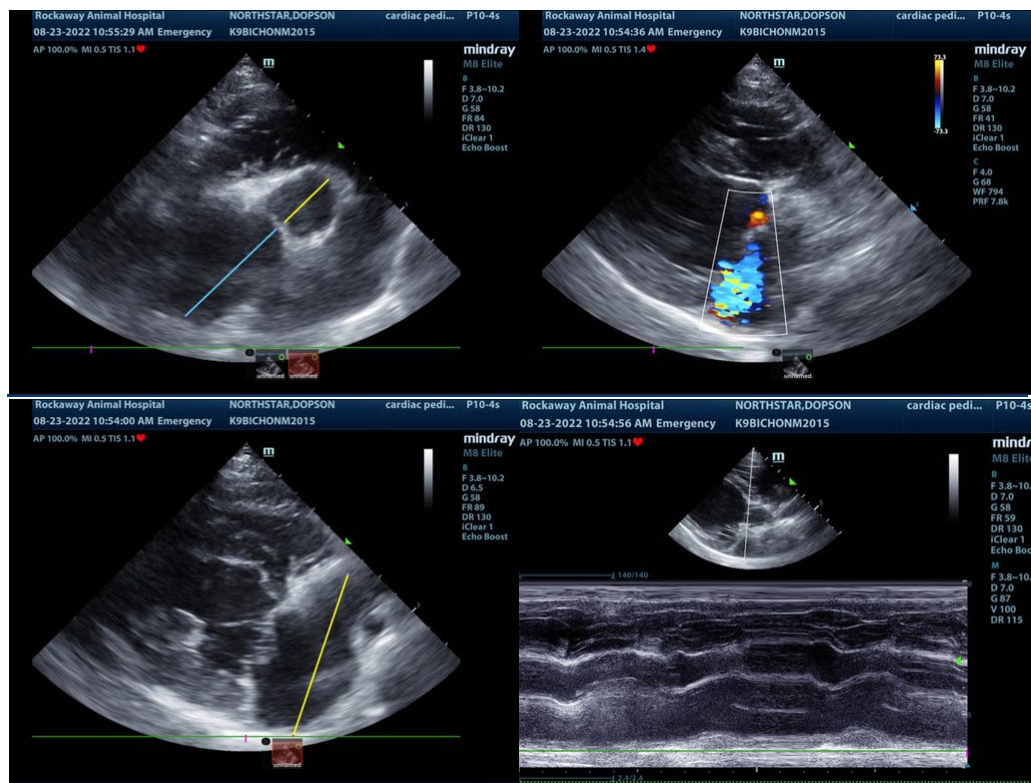
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Depending on what medication protocol the patient is currently under I recommend increasing Lasix and/or adding Spironolactone. Assessment of chest radiographs are warranted to assess mainstem bronchus impingement by the left atrium as likely the cause of cough. There is some anesthetic risk. After adjustment of medications, if the sleeping respiratory rate is < 25/minute and the patient is not coughing then Torbutrol pre-med, Propofol induction and Isoflurane maintenance is recommended for the procedure with minimal anesthetic time.





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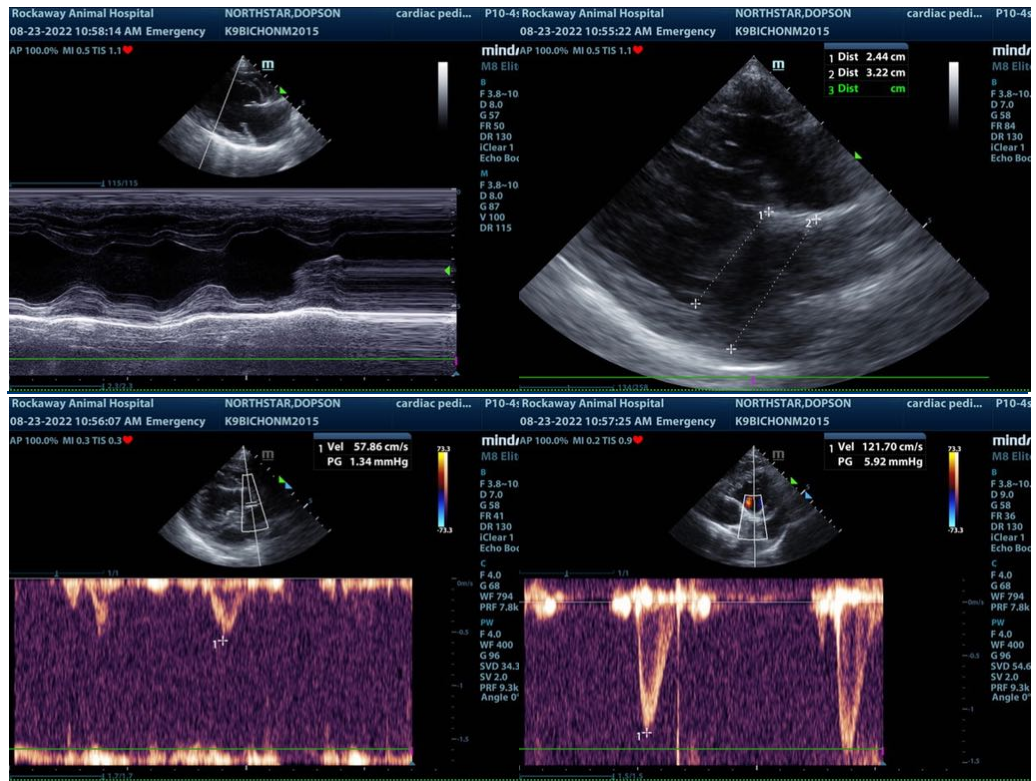
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
info@SonoPath.com