



PATIENT PRESENTING CLINICAL SIGNS

Olivia Agudelo History: 3/6 murmur; needs dental procedure. Please evaluate for anesthetic safety. not on any meds
 Abnormal PE/Chem/CBC/UA Results: ALKP 1049

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

Spayed Female

AGE

12 years

WEIGHT

21 lbs

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Nause

INVOICE

92047

DATE

9/28/21

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Mild prolapse of the **mitral** valve leaflet was noted. 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. Aortic outflow velocity was noted, yet insufficiency was present. Mild **aortic insufficiency** was noted at 4.0 m/sec. 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.

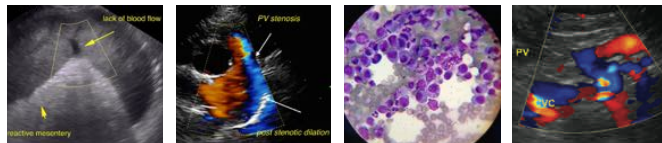
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	6.19		NM	1.4	60	90	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA (2D short axis 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				
PATIENT	131	1.67	1.2	21 lbs	3.3 max	2.95	

ULTRASONOGRAPHIC FINDINGS

Mitral valve prolapse, stage B1 valvular disease, compensated.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient is at minor anesthetic risk. However, blood pressure measurements should be evaluated to assess if systemic hypertension is an issue. A recheck echocardiogram is recommended in 6 months. Torbutrol premed, Propofol induction, and Isoflurane maintenance is recommended as anesthetic



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protocol. No treatment is warranted at this time.

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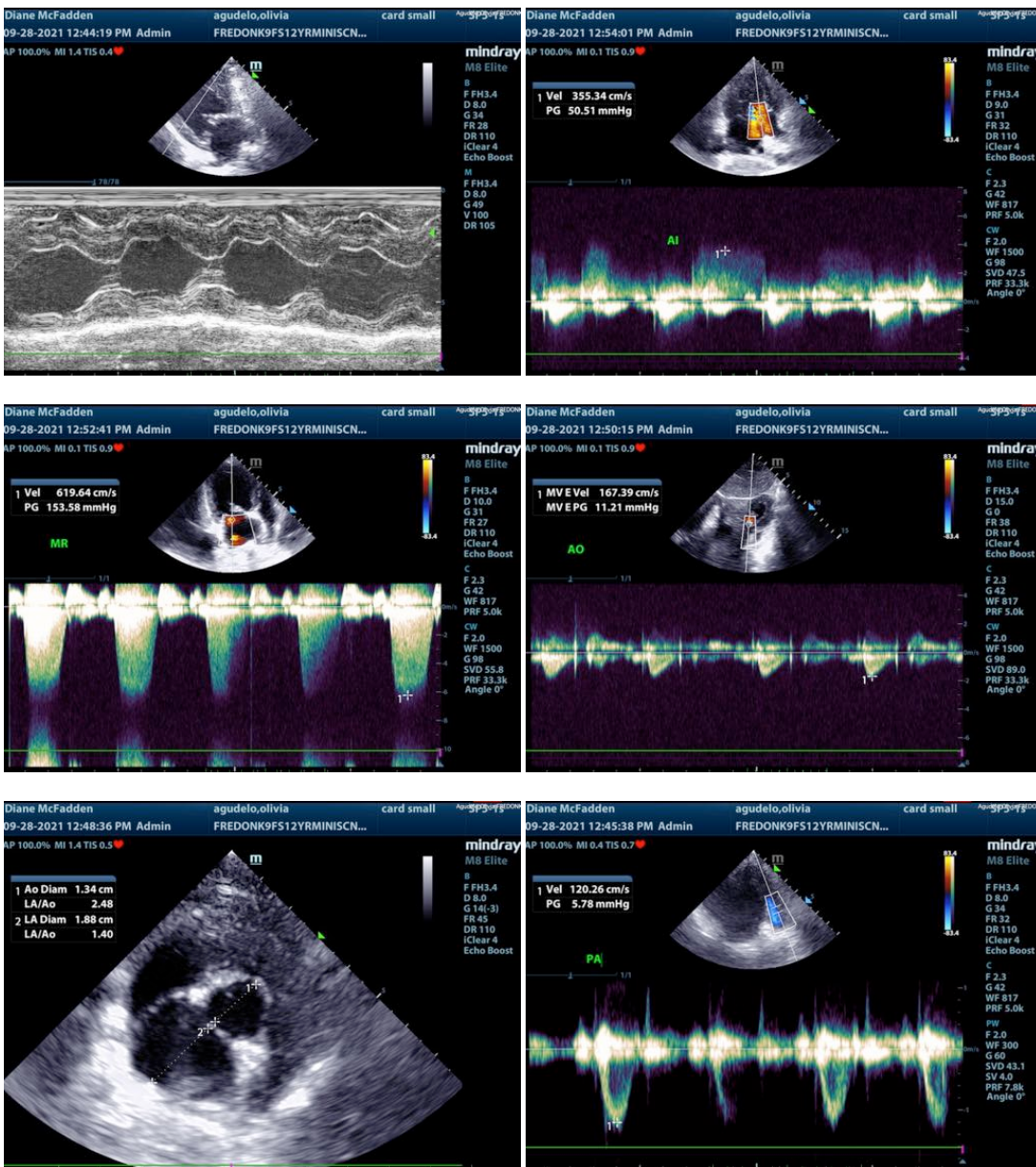
Dr. Nause

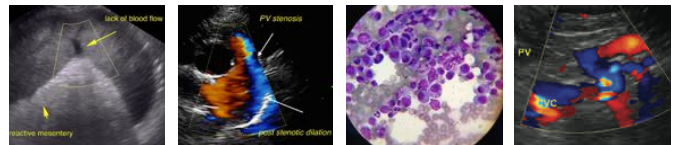
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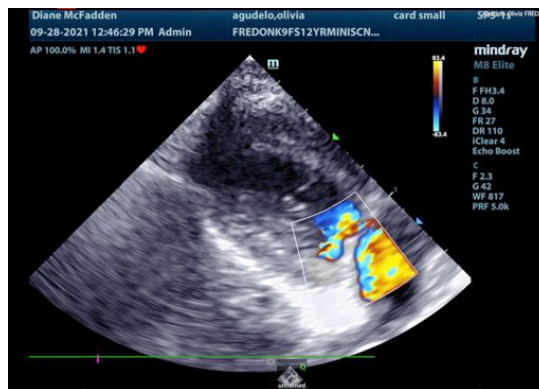
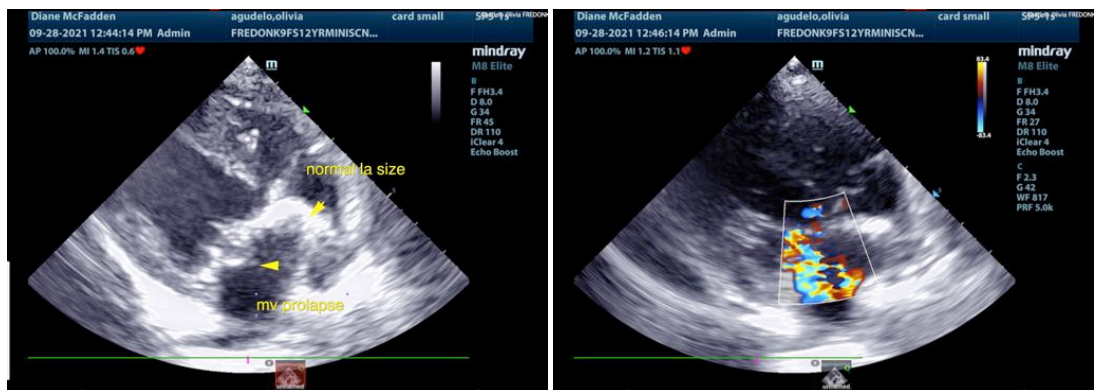
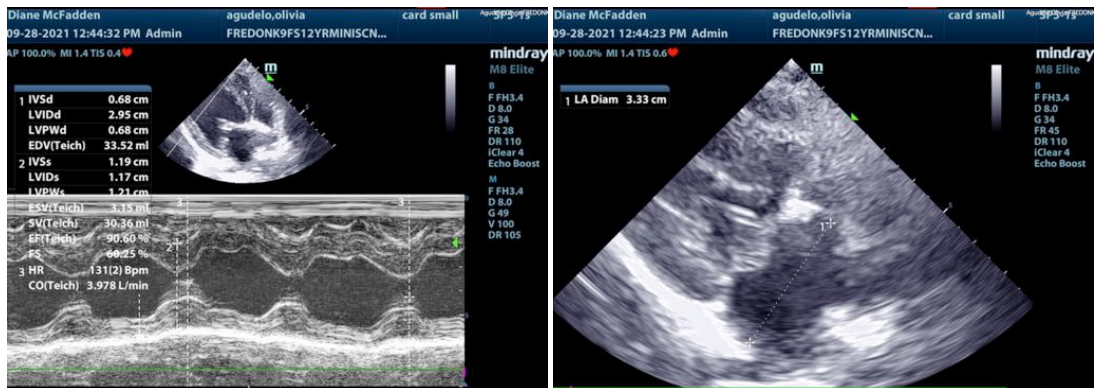
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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