



PATIENT

Niki Davis

PRESENTING CLINICAL SIGNS

Coughing/gagging for 8 months; enlarged cardiac silhouette on V/D. not on any meds
Abnormal PE/Chem/CBC/UA Results: elevated ALT and AST

SPECIES

Canine

BREED

Miniature Pinscher

SEX

Spayed Female

AGE

5 years

WEIGHT

9.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Blairstown AH

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** valve turbulence was noted in this patient. 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. Minor **right atrial** and **right ventricular** enlargement is noted in this patient. This is likely secondary to increased pulmonary pressures. . No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. **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			1.3	1.32	37	69	2.2
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	2.14	1.24	9.7 lbs	2.05		

INVOICE

94721

DATE

12/20/21

ULTRASONOGRAPHIC FINDINGS

Slightly prominent right heart likely owing to primary respiratory issues and increased pressures, yet there was no evidence of cardiac disease present.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Primary respiratory protocol is recommended.



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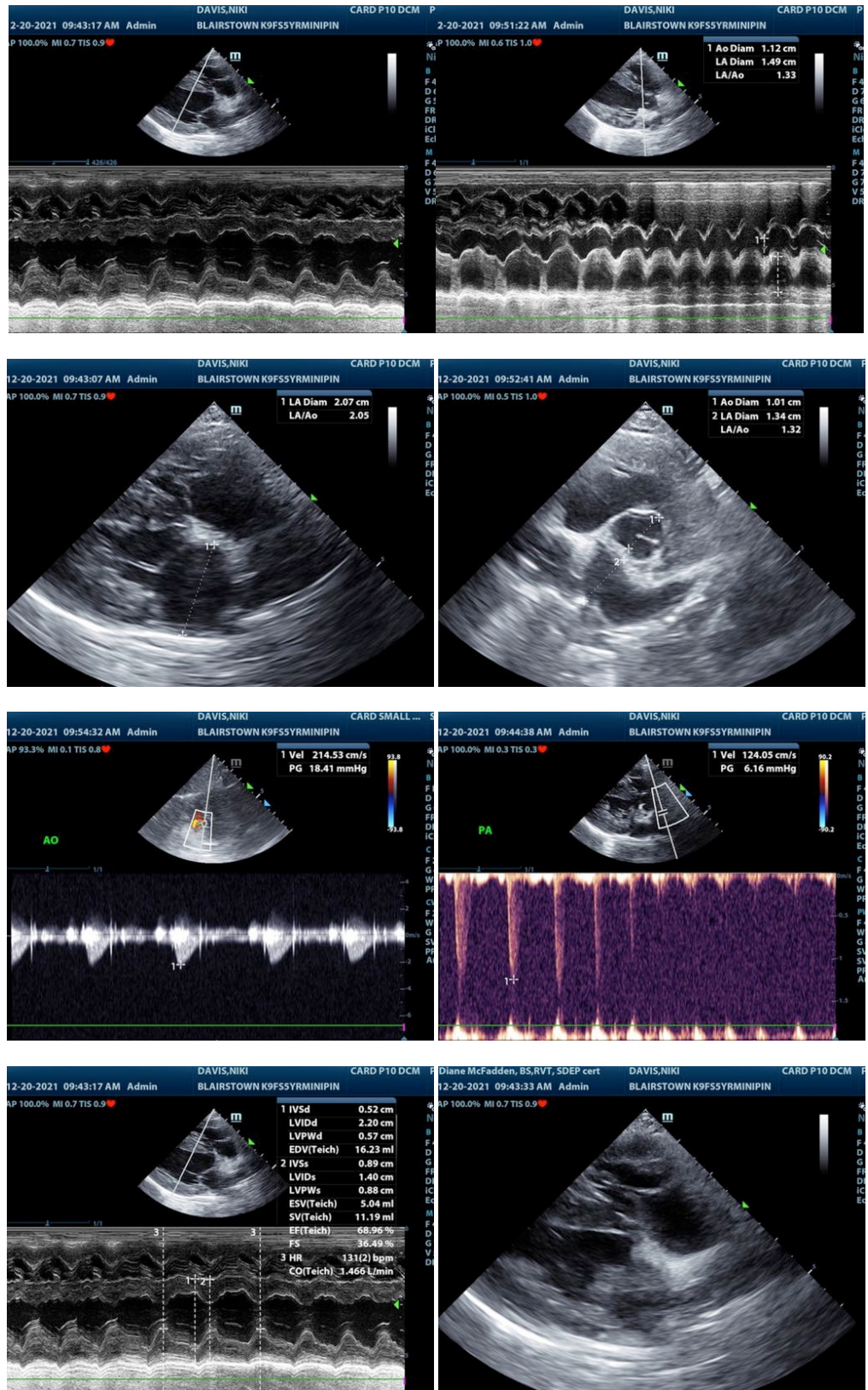
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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

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