



PATIENT

Jazzy Dyke

SPECIES

Canine

BREED

Shetland Sheepdog

SEX

Spayed Female

AGE

9 Years

WEIGHT

35 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Moore

INVOICE

40248

DATE

8/5/22

PRESENTING CLINICAL SIGNS

Owner reports a new cough that has become more frequent. No exercise intolerance, otherwise acting normally. Previous "de-bark" procedure done w/previous owner. No sedation used for echo. Abnormal PE/Chem/CBC/UA Results: PE: BCS 7/9, thin skin, flaky and dry. Poor haircoat on trunk especially. RADS: Enlarged cardiac silhouette w/enlargement of the RA. VHS apx. 11. Pulmonary vascular congestion with minor interstitial pattern.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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			NM	1.7	23	48	0.25
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	BELOW	BELOW	BELOW	BELOW
PATIENT	97	1.35	1.22		3.0	3.47	

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** was slightly subnormal regarding contractility. This may be owing to systemic disease, hypothyroidism, Addison's, or athletic state. 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. Periodic arrhythmia noted, may be sinus arrhythmia. Rapid view of the gallbladder revealed overdistention.

ULTRASONOGRAPHIC FINDINGS

- Normal echocardiogram with occasional arrhythmia
- Overdistended gallbladder

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

EKG baseline indicated, yet no evidence of structural or functional cardiac disease noted. The cough is non-cardiogenic. Primary respiratory protocol based on radiograph or CT findings indicated. Full



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abdominal sonogram recommended.

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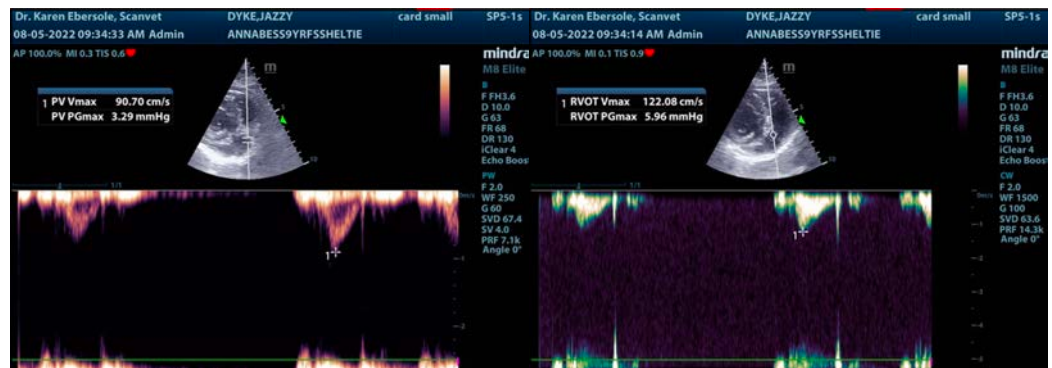
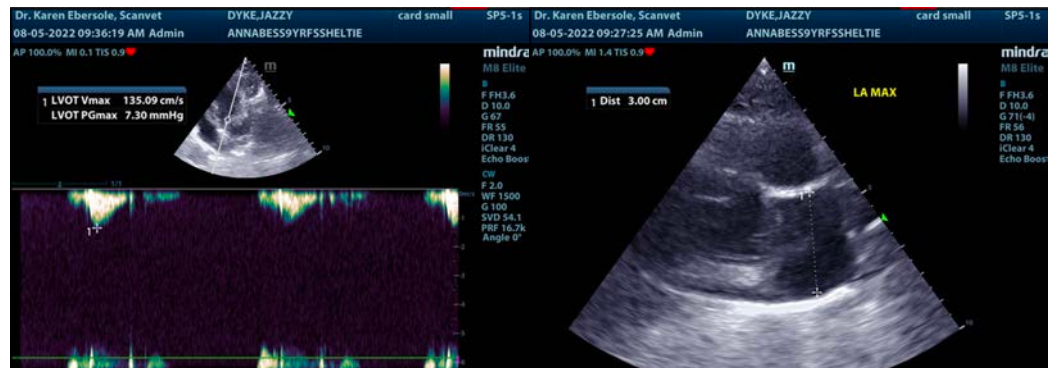
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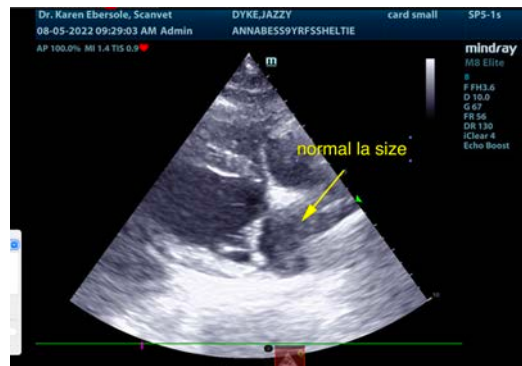
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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