



PATIENT PRESENTING CLINICAL SIGNS

Sweetie Pie Charloff

History: Dyspnea and tachypnea, mentioned by owners at Annual Exam. Acting normal per owners. USG thoracocentesis, removed 80 mL almost clear fluid, SG 1.028, TP 4. Cytospin done for cytology. Abnormal PE/Chem/CBC/UA Results: RADS: pleural effusion and consolidated lung lobes (bilateral, all lung lobes affected), can't visualize heart clearly. BW: WNL Felv/FIV: NEG

SPECIES

Feline

BREED

Domestic Longhair

SEX

Spayed female

AGE

7 years

WEIGHT

13.5 lbs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal 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 and angles 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 or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). A large amount of pleural effusion was noted. There were variable areas of lung consolidation noted.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Sanders

FELINE CARDIAC PARAMETERS	BODY WEIGHT	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	13.5 lbs	183	0.62	1.44	0.6	56	89
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.0	1.18	1.2	-	0.75	NM	
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

INVOICE

43225

DATE

3/9/23



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ULTRASONOGRAPHIC FINDINGS

Non-cardiogenic pleural effusion and lung consolidation.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a strong concern for thoracic carcinomatosis, lymphomatosis or similar. Pleurocentesis and cytospin is recommended to assess exfoliating cytology. An abdominal sonogram is recommended to assess for primary disease that may be metastatic to the chest. Ultrasound-guided pleurocentesis was performed without complication.

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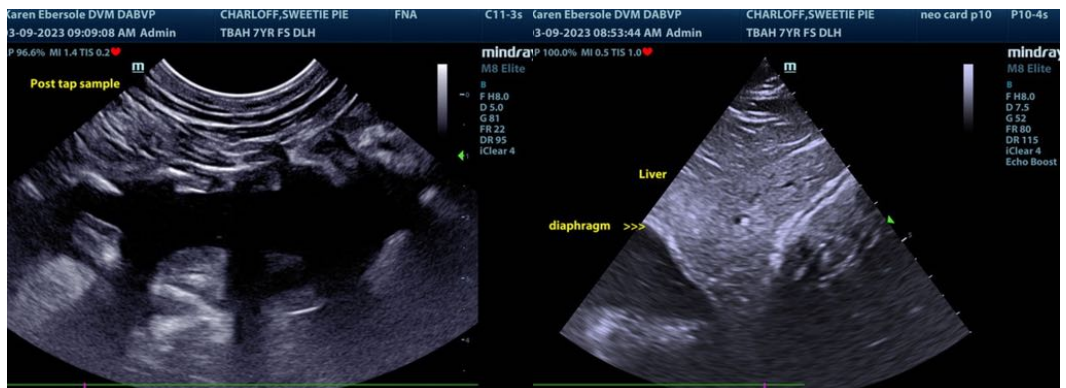
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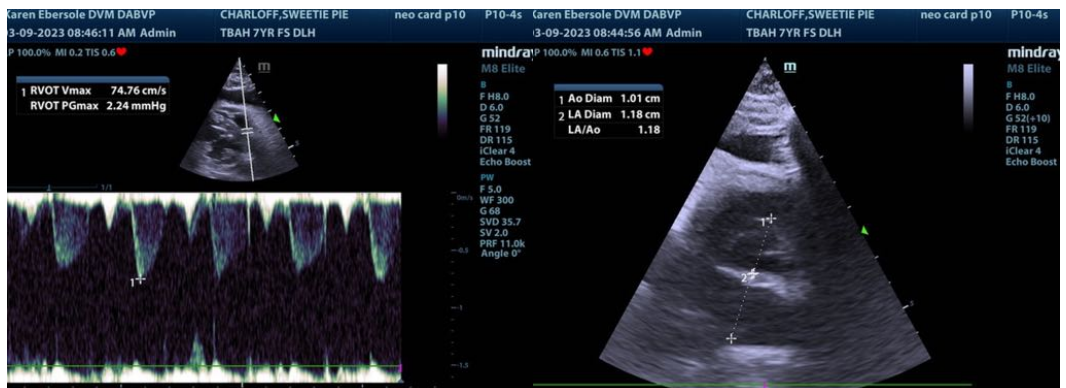
WEIGHT

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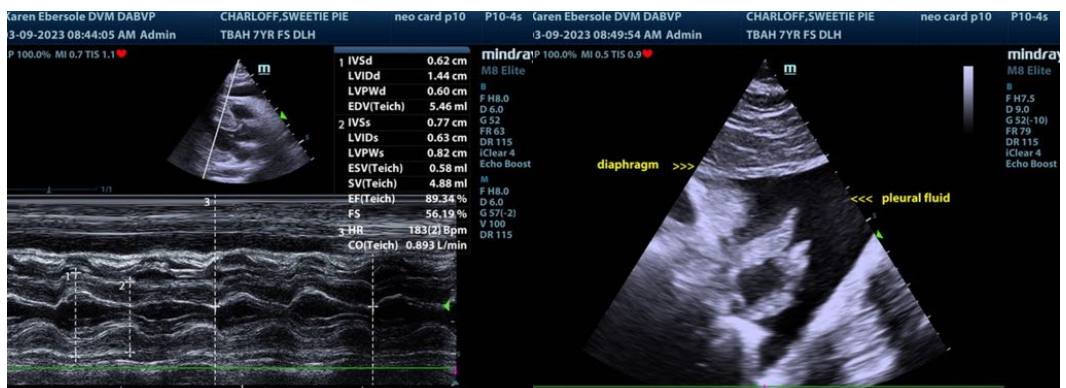


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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

BREED

Domestic Longhair

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

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