



**PATIENT PRESENTING CLINICAL SIGNS**

**Bear McGill** History: Abnormal breathing and rhythm under brief anesthesia for BW. Rads: Concern for mediastinal mass vs other  
**SPECIES** Abnormal PE/Chem/CBC/UA Results: Gluc 76, Hgb 12, Hct 39, MCH 15.9, MCHC 30, PLT 87 (clumping noted)

**Mustelidae**

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**BREED** 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** revealed mild volume overload with slight hypocontractility. 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** was mildly enlarged. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The pulmonary artery was dilated. The **right ventricle** was mildly enlarged. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). A large amount of thoracic fat was noted. The hepatic veins were not dilated. Therefore, there is no evidence of right sided failure.

**AGE**

3 years

**WEIGHT**

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Companion AH

**REFERRING VET**

Dr. Wolf

CARDIAC PARAMETERS	BODY WEIGHT (kg)	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		202	0.33	1.41	0.4	28	59
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	1.4	1.72		1.0	0.82	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 ULTRASONOGRAPHIC FINDINGS**

96964 Excessive thoracic fat and prominent right heart.

Right cardiac enlargement with excessive thoracic fat.

**DATE**

3/17/22

Minor hypocontractility, potential DCM or unclassified cardiomyopathy.

Occasional arrhythmia.



**PATIENT**

Bear McGill

**SPECIES**

Mustelidae

**BREED**

Ferret

**SEX**

Neutered male

**AGE**

3 years

**WEIGHT**

**INTERPRETED BY**

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**HOSPITAL NAME**

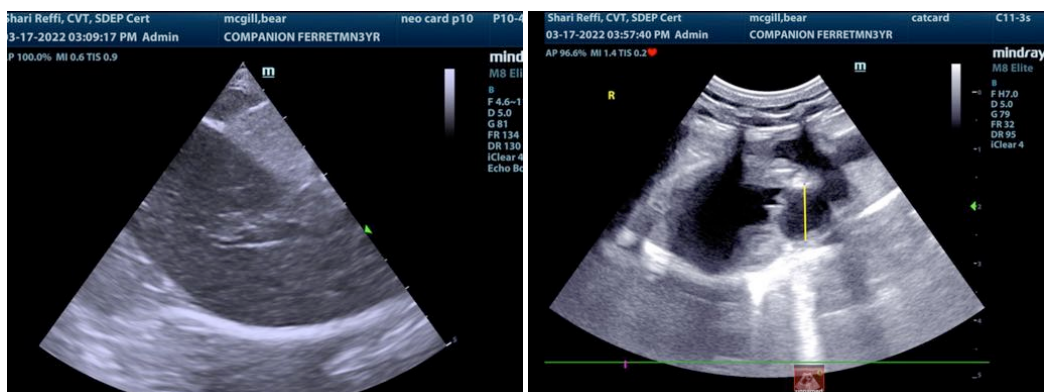
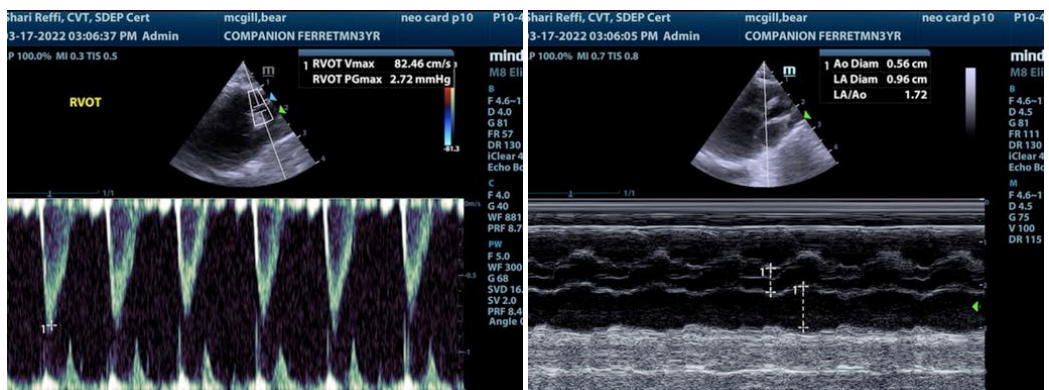
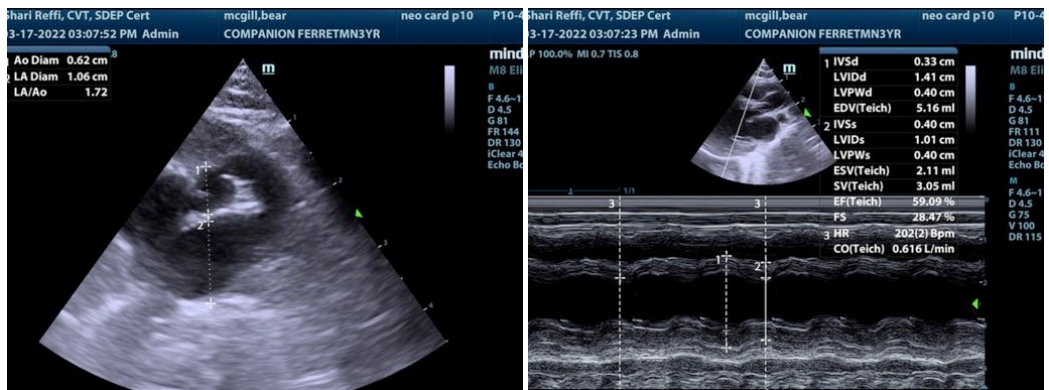
Companion AH

**REFERRING VET**

Dr. Wolf

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

This is most consistent with Pickwickian syndrome type presentation. Abdominal sonogram is recommended based on the radiographic findings. Low dose Lasix can be considered as a palliative measure. However, systemic effects upon the heart are likely playing a role.



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**PATIENT**

Bear McGill

**SPECIES**

Mustelidae

**BREED**

Ferret

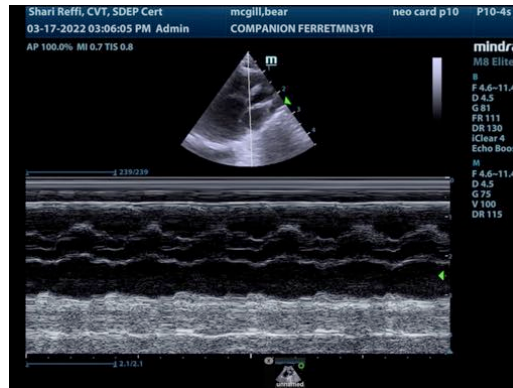
**SEX**

Neutered male

**AGE**

3 years

**WEIGHT**



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.

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