



PATIENT PRESENTING CLINICAL SIGNS

Cher Hoffer Open mouth breathing.

SPECIES BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

8 years

The echocardiogram in this patient demonstrated enlarged **left atrial** size. Smoke was noted in the left atrium. The cranial and caudal **mitral valve** leaflets appeared mildly thickened with some insufficiency noted on Doppler. The **left ventricle** presented excessive free wall and septal thicknesses with hypertrophic thicknesses compared to normal for this species. The **myocardium** presented essentially normal echogenicity without immediate signs of fibrotic or ischemic disease. **Contractility** of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. The **left ventricular outflow** tract demonstrated turbulent laminar flow. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated linear morphology. The **right ventricle** was of normal size with normal chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter. B lines were noted in the lung fields. This is consistent with pulmonary edema.

INTERPRETED BY

Eric Lindquist, DMV
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IMAGING PERFORMED BY

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HOSPITAL NAME

All Creatures Great
and Small Denville

REFERRING VET

Dr. Mitrovic

FELINE 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		200	0.71	1.07	0.77	47	83
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	1.9	2.0	2.0		1.3	1.4	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

95730

DATE

1/25/22

ULTRASONOGRAPHIC FINDINGS

Hypertrophic cardiomyopathy.

Left atrial enlargement.

Left-sided heart failure.



PATIENT

Cher Hoffer

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend Lasix at 12.5 mg b.i.d. diminishing to 6.25 mg b.i.d., ace inhibitor at 0.5 mg/kg s.i.d., Plavix therapy. A recheck echocardiogram is recommended in 10-14 days to refine therapy and assess progress. Guarded prognosis.

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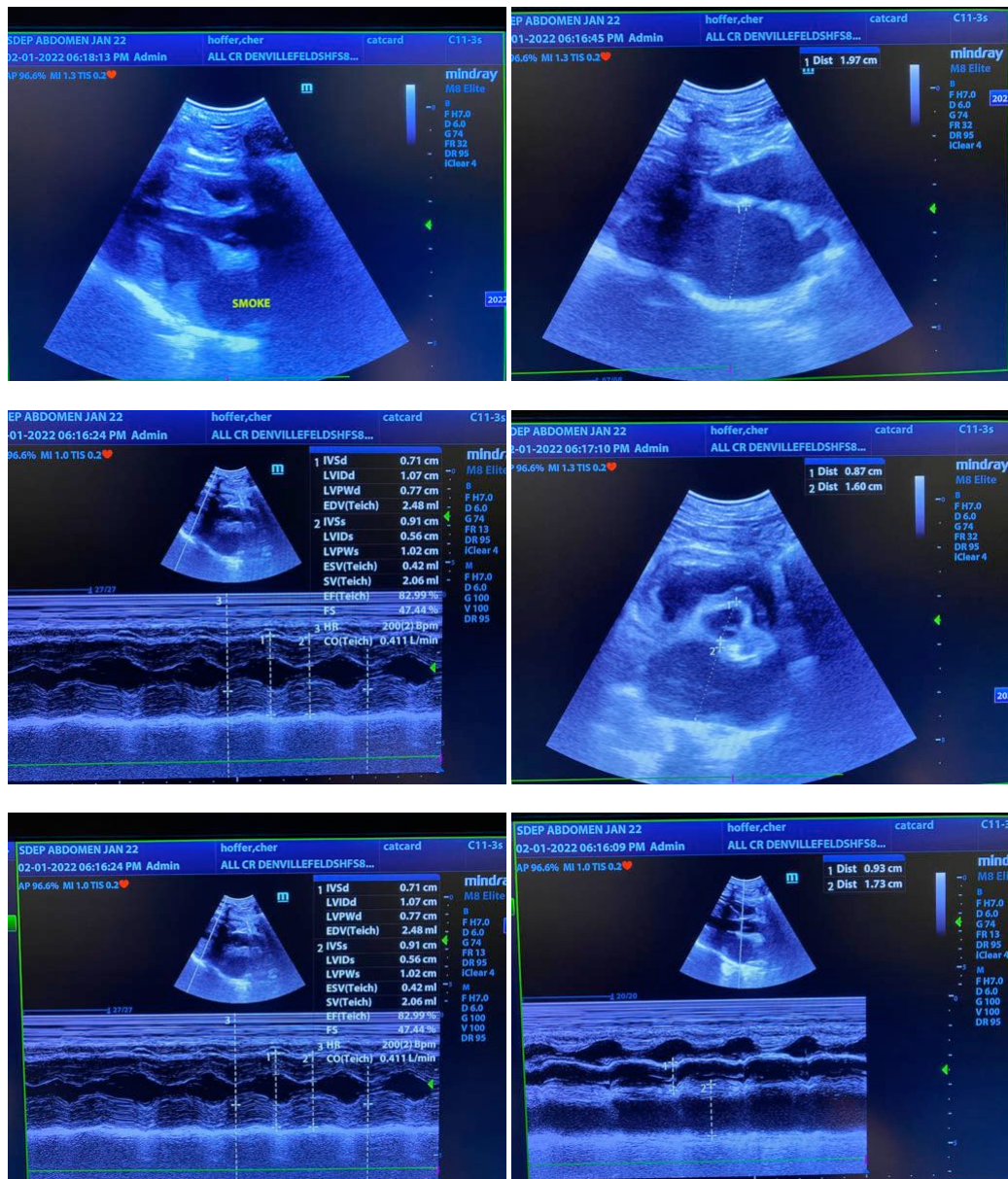
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

Cher Hoffer

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