



PATIENT **PRESENTING CLINICAL SIGNS**

Persia Remis History: Presented for straining and crying in litterbox. Owner reports panting and rapid breathing at home. Radiographs suggest opacity cranioventral aspect. Started Pimobendan 5mg 1/4-tab q12h.

SPECIES -Abnormal PE/Chem/CBC/UA Results: SDMA 20.4, PSL 28, CPK 53, U/A Protein Trace High.

Feline

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

BREED **Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are normal. The papillary muscles are normal. The endocardium appears normal.

DSH

Left atrium: The left atrium is normal in dimension. No obvious spontaneous contrast or thrombi seen.

SEX

Mitral valve: The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen. No MR.

Female Spayed

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. Mild aortic insufficiency. The ascending segment is significantly dilated.

AGE

Right ventricle: Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

3 years

Right atrium: The right atrium is normal in dimension.

WEIGHT

Tricuspid valve: The tricuspid valve appears normal with trivial tricuspid regurgitation. Normal velocity.

10lbs

Pulmonic valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 160bpm.

2-Dimensional Measurements

Ao diam (cm)	1.1
LA diam (cm)	1.2
LA:Ao (Swe)	1.1
IVS thickness (cm)	0.44
LVID diastole (cm)	1.25
PW thickness (cm)	0.40
LVID systole (cm)	0.6
FS (%)	50

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	1.0
MR Vmax (m/s)	NA
TR Vmax (m/s)	2.4
TR PG (mmHg)	23

IMAGING PERFORMED BY

Eduardo Rodriguez
III, RCS

HOSPITAL NAME

East Boston Animal
Hospital

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. No obvious congenital defects are seen at this time.

REFERRING VET

Dr. Chopra

INVOICE

29092

Of note there is an aortic insufficiency present, in addition to a dilated aorta. This may suggest systemic hypertension and a baseline BP is strongly recommended. Pending a normal BP assessment, no structural cause for panting is identified and other possibilities should be considered. No obvious indication for continued Pimobendan.

DATE

2/17/23

It is important to note that phenotypic HCM can develop at any age and is often silent on exam. Routine screening is ideally recommended in any predisposed breed. Serial BNP



PATIENT
 Persia Remis

monitoring can be used as a more economical alternative step; however, false positive results are possible.

SPECIES
 Feline

RECOMMENDATIONS

- Highly recommend a baseline BP.
- No obvious indication for continued Pimobendan therapy.
- Further evaluation of possible respiratory issues.
- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia.
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

BREED
 DSH

SEX

PLAN

Female Spayed

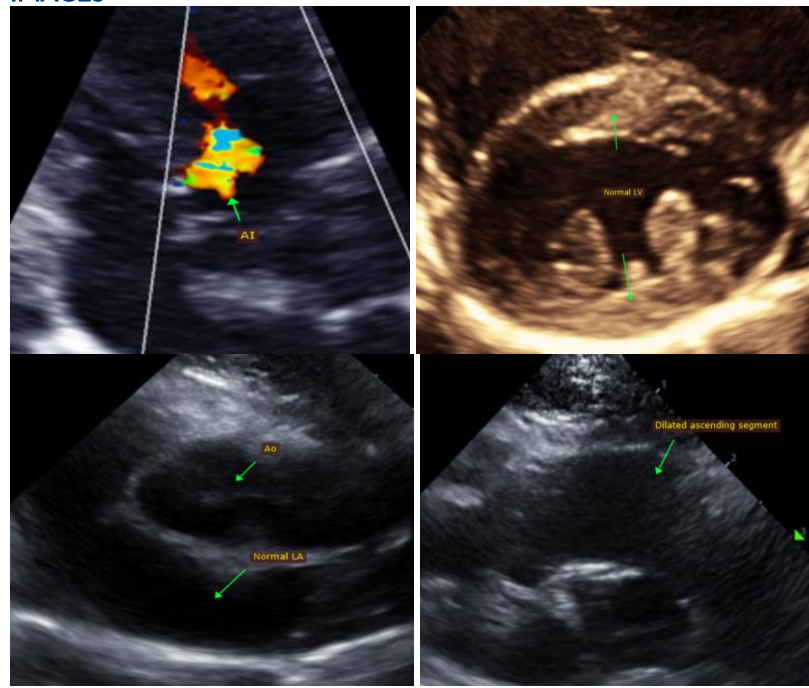
- Recommend recheck echocardiogram in 1 year to screen for any progressive changes.

AGE

IMAGES

3 years

WEIGHT
 10lbs



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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.

INVOICE
 29092

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

DATE
 2/17/23

Maggie Machen Lamy, DVM
 Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
 info@sonopath.com

Echocardiogram performed by: Pamela Harrigan, RDCE



PATIENT

Persia Remis

Pet Animal Ultrasound Service (4paus.com)

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

3 years

WEIGHT

10lbs

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