

Mass Veterinary Cardiology Services

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Echocardiogram Report

Date: 9/14/07 Cats registered name: Mainelyclassic Keeper of Petteycats Cats call name: Keeper
Registration number and registry: Age/DOB: 1yrs, 2 months Breed Maine Coon Cat Sex Male
Client Name: Cathy Pettry Client Address: 963 Sodom Road, Westport, MA,
Exam performed by: Nancy Morris DVM, Diplomate ACVIM Cardiology
BREEDING CLEARANCE

Physical Exam

Heart Rate: 190 Weight: 18lbs
Auscultation: normal Location of murmur: -
Gallop Sound? No
Other findings or comments:

Echocardiogram: mmode

LVIDd 1.87cm IVSd 0.58 cm LVPWd 0.58 cm
LVIDs 1.03 cm IVSs 1.00 cm LVPWs 0.81cm
FS% 45% LA 1.26 cm AO 1.16 cm LA/AO: 1.08

Subjective Left Atrial size: normal
Systolic Anterior Motion of the mitral valve: no
Left ventricular outflow velocity: 0.83 m/sec
End Systolic cavity obliteration: no

Papillary muscles: The interventricular septal papillary muscle appears enlarged and misshapen.

Comments: Liver and left and right kidneys were examined for polycystic kidney disease. The right kidney was 4.65 cm in length while the left kidney was 4.79 cm in length. The normal length for feline kidneys is 3.0-4.3 cm. However, it has been demonstrated in studies done in cats that intact male and females have slightly larger kidneys than spayed or neutered cats. No cysts were found in either kidney or the liver to indicate that he is affected with polycystic kidney disease.

Assessment/Diagnosis: Equivocal echo study because of the subjective finding of an enlarged papillary muscle.

Recommendations: Genetic testing is suggested as is a recheck echocardiogram in 6 months. Homozygotes should not be used for breeding purposes while heterozygotes should be crossed with cats that have tested negative for the HCM gene. The strategy is to choose kittens that test negative for the gene from such a mating to eliminate carriers over several generations while preserving genetic diversity in the breed. There are likely to be multiple gene mutations that result in HCM and even cats tested negative for the known mutation, that will be used for breeding purposes should be screen by echocardiogram every 6-12 months.

Veterinarians Signature: Nancy Morris DVM, Diplomate Cardiology
Equipment make/model used: Acuson cypress