

Feline hypertrophic cardiomyopathy (HCM) is a heart muscle disease present in many feline breeds as well as in cats without pedigree.

HCM is characterized by a more or less important thickening of the heart muscle, called hypertrophy. The hypertrophied muscle generally contracts normally or almost normally. However, the rigidity associated with its thickening generates a difficulty in filling the cardiac cavities with blood. The first signs of the disease are not easy to detect. It might be breathing difficulties or development of a heart murmur. Sometimes the cat dies suddenly without any previous sign of the disease has been observed. The diagnosis of HCM can be carried out by a veterinary cardiologist by the use of echocardiography (ECG).

If your Devon Rex cat has been scanned for HCM and if you wish to participate in this study, you will help us to progress in understanding this disease.

Please **fill out the questionnaire** below and send it to us, together with **a copy of your cats pedigree**, the **result of the cardiac examination** as well as **2 to 4 cheek cell samples collected using cotton swabs** (ordinary Q-tips can be used and put into a **paper envelope**, do not use plastic bags to store and send cotton swabs).

The analysis of the received DNA will make it possible to search in the future for the responsible gene (s) causing HCM in the Devon Rex breed.

The team of this HCM project warmly thanks you for your participation.

Dr. Marie Abitbol

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Conditions of the study: this study is performed by Dr Marie Abitbol at U955-E10 laboratory of Comparative Medical Genetics.

Any nominative information sent to us will remain strictly confidential. All genetic information will be collected anonymously and will be the subject of an anonymous statistical analysis, in order to improve the characterization and comprehension of the HCM in the Devon Rex breed.

No financial contribution is required to participate in this study.

You will not receive any result concerning your cat.

Without your active help this genetic study will not be successful and we thank you in advance for your participation.



Devon Rex hypertrophic cardiomyopathy (HCM)
research program
Ecole nationale vétérinaire d'Alfort (France)

For each cat:

- Fill in the questionnaire
- join a photocopy of the pedigree and the HCM scan test (ECG report)
- join 2 to 4 cheek cell samples (cotton swabs, which can be performed by yourself and sent as a simple letter).

All veterinaries as well as all the members of the **Devon Rex HCM project** are engaged to keep a complete confidentiality on all received information.

In case of questions or doubts please feel free to contact Dr. Marie Abitbol on +33-1-43-96-70-01 or by email to: marie.abitbol@vet-alfort.fr.

Cat:

Name: _____ Birth date: _____

Sex: male female Identification Number: _____

Cardiologic examination carried out on: _____ (Date, Month, Year)

The cat was diagnosed: HCM negative HCM positive

Name of the Cardiologist who performed the examination: _____

Cat family history (the cat in question, ancestors, offspring, siblings....) and remarks:

Your postal address:

Email address:

I accept the conditions of this study led by the EnvA on Devon Rex HCM and I agree to the use of my cats DNA for genetic research.

Date

Signature

Please send the questionnaire together with the pedigree, the HCM scan report and buccal swabs to:

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