

Feline HCM Study

To develop a genetic test for Hypertrophic Cardiomyopathy in Bengals

We are currently seeking DNA samples (blood) from cats with a diagnosis of HCM (hypertrophic cardiomyopathy) to advance our research to identify a genetic mutation for the disease. In order for the research to clearly identify HCM Positive cats, HCM Positive Bengals submitting a sample must meet the following criteria:

- 1) Be scanned by a veterinary cardiologist
- 2) Left Ventricle Wall Thickness greater than $>6.0\text{mm}$; i.e. Focal (segmental) or diffuse LVPWd and/or IVSd wall thickness measuring $> 6.0\text{ mm}$ at end-diastole, without LV dilation

In addition, we especially need samples from cats over 8 years old who are HCM negative. To qualify, these HCM negative Bengals must be tested by a veterinary cardiologist when older than their eighth birthday. TIBCS is offering \$100 grants for those Bengal cats over 8 years old who test negative and successfully submit a blood sample to the research study.

To apply for an HCM free grant download the HCM Negative Over 8 Years Grant application from www.tibcs.com Forms & Documents. Do this before mailing your sample in because one of the documents required is mailing delivery confirmation.

We need 50 such samples from each group: HCM Positive and HCM Negative Over 8 Years. You need not be a TIBCS member to send in a sample or apply for a grant.

When submitting a blood sample for the research study, please return the form on page 3 with your sample and mail to:-

NCSU - College of Veterinary Medicine
ATTN: Veterinary Cardiac
Genetics Laboratory
Research Bldg. 460
4700 Hillsborough Street
Raleigh, NC 27606

Sample collection

Please ask your veterinarian or a veterinary technician to pull a blood sample into an EDTA tube.

Most veterinary hospitals have these readily available.

1. Blood drawn into a Standard EDTA Tube does not need to be refrigerated.
2. Blood draw volume should be 1 to 2 ml, if possible.
3. Please label tube well, with cat's call name and family last name and send the samples to our lab via the address above.

Blood drawn does not need to be mailed back with ice packs or be shipped overnight. However, if possible please try to send the sample within a few days by standard mail. Until the blood can be mailed, it is a good idea to refrigerate it (i.e., if the blood was drawn late Saturday and cannot be mailed until Monday, it's a good idea to refrigerate it between Saturday and Monday).

4. Please include a copy of the following form, providing specific information about the cat who provided this sample.

Questions ?.....Contact Email:Josh_Stern@ncsu.edu

Thank you very much for submitting your sample, we greatly appreciate it!

Feline Hypertrophic Cardiomyopathy Study

BENGAL SAMPLE

If cat is over 8 years of age please check here

Registered Name of Cat:

Cat call name:

Gender: *Tick boxes*

Female

Male

Female neuter

Male neuter

Date of Birth:

Owner Name:

Complete Address:

Phone Number:

E-mail:

Date (if ever) of Last Echocardiogram:

How was your cat diagnosed with hypertrophic cardiomyopathy?

Please include a Xerox copy of the echocardiogram report, and any extra information. Also, a copy of the cat's pedigree is valuable to the research in order determine if the sample is related to other Bengals in the study.

THANK YOU !!