

# Cavalier King Charles Spaniels Mitral Valve Genetics Study

We are currently studying mitral valve endocardiosis in the Cavalier King Charles Spaniel in the hopes of identifying genetic markers for this disease. **We are currently looking for DNA samples from Cavalier King Charles Spaniels who have this disease confirmed by your veterinarian. We are also looking for Cavalier King Charles Spaniels who are at least 10 years of age who do not have a heart murmur or other evidence of heart disease.**

## **Sample collection**

- Please ask your veterinarian to draw 1-2mLs of blood into an **EDTA** tube. Most veterinary hospitals have these readily available.
- Make sure the blood tube is well labeled with the dog's name and family last name.

## **Shipping**

- Please try to send the sample within a few days by standard mail if possible.
  - The blood can be shipped at **room temperature**. There is no need to send the sample with ice packs.
- 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).

## **Please return the form on page 2 with your sample and mail to:**

NCSU - College of Veterinary Medicine  
ATTN: Veterinary Cardiac Genetics Laboratory  
1060 William Moore Dr.  
Research Building 228  
Raleigh, NC 27607

Questions? Contact Info: [kate\\_meurs@ncsu.edu](mailto:kate_meurs@ncsu.edu) or [Julia Condit jgcondit@ncsu.edu](mailto:Julia Condit jgcondit@ncsu.edu)

*Thank you very much for participating in our research!*

## Cavalier King Charles Spaniel Mitral Endocardiosis Genetic Study

Owner Name: \_\_\_\_\_ Business name (if breeder): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Dog's Name: \_\_\_\_\_ Gender: \_\_\_\_\_ Birthdate: \_\_\_\_\_

Date of last Echocardiogram (if ever): \_\_\_\_\_

Has your veterinarian ever heard a heart murmur or gallop? **Y / N**

Had your dog ever been short of breath? **Y / N**

Has your dog ever been diagnosed with heart disease? **Y / N**

### **Please include (if possible):**

1. A copy of the dog's last echocardiogram report or other information about the diagnosis of heart disease
2. A copy of the dog's pedigree. (We are not looking at specific lines but for certain studies it is important that the dogs not be too closely related.)