

DNA Sampling Protocol For Dogs With Hereditary Ataxia

THANK YOU for helping us with this research.

We need blood samples and pedigree information from dogs that have been diagnosed with hereditary ataxia or that are directly related to a dogs diagnosed with this disease or normal dogs over the age of 8 years. If you would like to take part in this study, please start by contacting Dr Olby by e mail at Natasha_olby@ncsu.edu to discuss whether your dog is a candidate for the study. She will ask for details of your dog's clinical signs, what diagnostic tests have been performed and whether she can have access to your dog's medical records and talk to your veterinarian. Once it is has been determined that your dog is suitable for the study, you should give the following protocol to your veterinarian. Please do not send a sample without contacting Dr Olby first. If Dr Olby is not available, (no response to e mail after 24 hours) you can also contact her research technician Pragna Mehta (Pragna_Mehta@ncsu.edu), telephone 919 513 7235.

1. DNA storage

We need 6mls of blood taken into an EDTA tube (or tubes) and sent to us overnight on ice. Please avoid shipping on a Friday as this would mean the sample would sit in the mail over the weekend. If the sample is drawn on a Friday or at the weekend, the blood will be fine if simply kept in a 4 degree centigrade refrigerator until it is shipped on Monday.

2. Pedigree

Please could you forward the pedigree with the date of birth and call name of your dog clearly marked.

Everything should be shipped to the attention of Pragna Mehta at:

Room 332 CVM Research Building, College of Veterinary Medicine, NCSU, 4700 Hillsborough St, Raleigh, NC 27606 (telephone 919 513 7235). Please notify us on the day the sample is shipped if possible by phone or by e-mail (pragna_mehta@ncsu.edu or natasha_olby@ncsu.edu)

Thank you for your help. If you have any questions I can be contacted in my office at 919 513 8286 or in the clinic at 919 513 6692. If I don't answer my office telephone, try the clinic as our receptionist can page me.

Natasha Olby

**North Carolina State University
Veterinary Teaching Hospital**
Informed Consent

Patient Name

Project: The genetics of canine cerebellar degeneration

Sponsor: American Kennel Club Canine Health Foundation

Co-Principal Investigators:

1. Natasha Olby, VetMB, PhD, Dip ACVIM (Neurology)
2. Matthew Breen, PhD

Purpose of Research

The purpose of this study is to identify the chromosomal abnormalities (mutations) that cause hereditary ataxia in American Staffordshire terriers, Old English Sheepdogs, Gordon Setters, and Scottish terriers. DNA will be banked and pedigree data collected from affected dogs and family members (while maintaining anonymity) so that it will be available for gene mapping studies.

Description of Procedures

A blood sample (4 - 10 ml) will be taken from the jugular or cephalic vein for DNA isolation. If available, a copy of the pedigree will be submitted with the blood sample and details of any neurological problems identified will be noted. All information given will be confidential and the source of DNA will not be divulged to people outside the research group

Please Read Each Statement Carefully and Initial on the Line

1. I understand that the sample obtained will be used for gene mapping with the aim of identifying the mutation causing hereditary cerebellar degeneration. _____
2. I understand that the sample obtained is the property of North Carolina State University for research purposes. _____.

The investigators can answer any questions regarding the procedures and research goals of the project. Dr Olby can be contacted by e mail at Natasha_olby@ncsu.edu

I have read and fully understand all the above. I consent to taking part in this study

Clinician Signature: _____

Owner/Authorized Agent/

Representative: _____ Date: _____