

University of Minnesota Great Dane Osteochondrosis Study

Researchers at the University of Minnesota are studying the genetics of osteochondrosis in the Great Dane. We are using pedigrees and DNA samples from Danes with and without osteochondrosis to identify a mode of inheritance. DNA is used to identify any mutation(s) between unaffected and affected dogs that may serve as a marker for the disease. All that is needed from your dog is either a blood sample or cheek swab (for DNA isolation), a pedigree, and a completed medical history and orthopedic examination form.

Cheek Swab DNA Collection Technique

- 1) Label each swab with the respective dog's first and last name.
- 2) To collect each cheek swab sample, twirl each swab on the inside of the cheek for approximately one minute. If your dog has been eating or drinking, please wait at least 10-15 minutes before collecting the sample.
- 3) Collect three swabs from each dog, using a different location within the mouth for each of the three swabs.
- 4) Replace each individual swab back into its original plastic packaging.
- 5) If mailing, you can ship via regular post to:

Alexa Hart
University of Minnesota
1352 Boyd Ave. C339
Saint Paul, MN 55108

Please contact us if you have any questions.

Phone: 612-624-5695

Fax: 612-626-6964

wilke175@umn.edu

hart0318@umn.edu

Thank you for your participation in our study!