

# Golden Retriever Familial Subaortic Stenosis Study

Dr. Joshua Stern and the Cardiac Genetics Laboratory of Washington State University College of Veterinary Medicine are conducting a research study to identify the genetic mutation responsible for Subvalvular Aortic Stenosis (SAS) in Golden Retrievers.

Advancements in technology have enabled us to become increasingly successful in identifying mutations responsible for breed specific heart disease and to develop DNA tests to help breeders reduce the incidence of disease.

This study requires DNA samples from 30 Golden Retrievers with a diagnosis of Subvalvular aortic stenosis (**diagnosed by Doppler echocardiogram**) and an additional 30 Goldens without Subvalvular aortic stenosis (**as cleared by a cardiologist**). Participants can be assured that their privacy will be protected and confidentiality maintained.

Your participation is greatly appreciated and questions are welcome!

**Please complete the form on page 2 and return along with the sample and required cardiologist report and pedigree to:**

VCGL – WSU  
Post Office Box 605  
Pullman, WA 99163-0605

## **Sample collection**

1. Please draw 2-3 ml of blood into an **EDTA** tube (lilac top). Most veterinary hospitals have these readily available, and many veterinarians are willing to waive their professional fee when obtaining samples for research purposes.
2. Please label tube well with dog's call name and family last name.
3. Although this is not required for participation in the current study, ideally we would like to also bank DNA from Goldens **affected with SAS** in the CHIC DNA Repository for use in future research studies. If you are willing to do this, please download and complete both the Application form and the Health Survey from <http://www.caninehealthinfo.org/dnabank.html> and include **both forms** with sample. There is no fee for doing this.

**The blood does not need to be mailed with ice packs or be shipped overnight. However, please try to send the sample within a few days by standard mail. Until the blood can be mailed, please keep it refrigerated (i.e., if the blood was drawn late Saturday and cannot be mailed until Monday, please refrigerate between Saturday and Monday).**

Questions? Email: [jsterndvm@gmail.com](mailto:jsterndvm@gmail.com) Phone: 614.390.1516

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

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Dog's Name:

Gender:

Date of birth:

Owner Name:

Complete Address:

Phone Number:

E-mail:

Name of cardiologist:

Please include a copy of the pedigree and the echocardiogram report (for affected dogs) or normal cardiologist report (for unaffected dogs).

**All information will remain confidential!**

***THANK YOU!!!***

