Research Study - Genetic Basis of Vascular Disease
Moyamoya Disease

We have recently identified a gene that causes Moyamoya Disease. Through our research, we have determined that this gene is not the only gene responsible for Moyamoya Disease. We are interested in identifying further genes that cause this condition. We are asking individuals with Moyamoya Disease to participate in our research study to identify genes that cause this condition.

Participation would involve the following:

1) An initial telephone conversation to explain in greater detail what the study involves (procedures, time, benefits, risks) and answer any questions. Information is provided so that interested individuals with Moyamoya disease can make an informed decision whether or not to participate.

2) After the study is explained and consent obtained, participants will be asked about his or her medical history pertinent to Moyamoya Disease. We will request that the patient allow us to review their medical records pertaining to Moyamoya Disease. Finally, the participant’s family history about problems related to Moyamoya Disease (e.g., strokes, heart attacks) will be obtained.

3) A kit will be mailed to collect “spit” for DNA studies. Postage and containers to return the collection cup will be provided.

4) The DNA collected from participants with Moyamoya Disease will be used to determine if the individual has an alteration in the gene identified for Moyamoya Disease. These results will take a few months and participants will be notified with these research results. If a participant tests positive, then follow-up counseling will be provided and other family members will be voluntarily recruited into the study for subsequent testing. If the participant test negative, their DNA will be used for studies to identify other genes that cause Moyamoya Disease.

These studies will be done on a confidential basis and at no cost to the participants. Results will be reported directly back to the patient as research results. Interested individuals with Moyamoya Disease or parents of children with Moyamoya disease can contact us for more details at 713-500-6865 or Van.Tran.1@uth.tmc.edu (Van Tran-Fadulu) or 713-500-6723 or Bourgeois.Scott@uth.tmc.edu (Dr. Scott Bourgeois).

Scott Bourgeois, M.D.
Van Tran Fadulu, M.S., C.G.C
Dianna M. Milewicz, M.D., Ph.D.