

STUDY PURPOSE

The purpose of this study is to discover and identify the genes that may play a role in how blood vessels change shape and size. This can cause stenosis, aneurysm or dissection. We are investigating how these changes relate to cardiovascular disease such as hypertension, stroke, heart attacks and more. By understanding the genetic mechanisms of rare vascular diseases, we hope to gain insight into the cellular and molecular pathways responsible for disease. This knowledge is needed to develop therapies aimed at the abnormal arterial remodeling and structure in these diseases.

ELIGIBILITY

Any adult or child who has been diagnosed with a vascular dysplasia (abnormal cell growth or arterial shape) is potentially eligible for this study. Family members of individuals with vascular disease are also eligible for participation in the study.



STUDY DETAILS

Once enrolled in the study, we will collect a blood or saliva sample (a blood sample is preferred) for genetic testing. Appropriately 4 teaspoons of blood or 2 teaspoons of saliva are collected. Along with this, they will be asked to complete two surveys. One inquires about personal health history, and the other asks about family health history. We also ask permission to review medical records. This allows us access to any testing or doctor's evaluations related to this diagnosis.



BENEFITS

While there is no immediate compensation for participation, this research study will help us to understand how vascular diseases occur and to develop possible therapies.

MORE INFORMATION

This study aims to develop a biobank of DNA and tissue samples that will be used to study the genetics of arterial diseases such as **fibromuscular dysplasia, pediatric renal artery stenosis and midaortic syndrome, aneurysm or dissection**. This group of vascular diseases may potentially affect multiple vascular beds, including carotid, coronary, renal, mesenteric, aortic and peripheral vasculature. Samples and clinical information are collected from both individuals affected by arterial dysplasia, and those without (controls) thus allowing for comparison.

INVESTIGATORS

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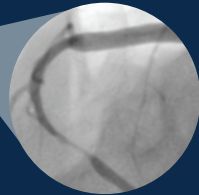
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Carotid Artery
Multifocal FMD



Coronary Artery
Dissection



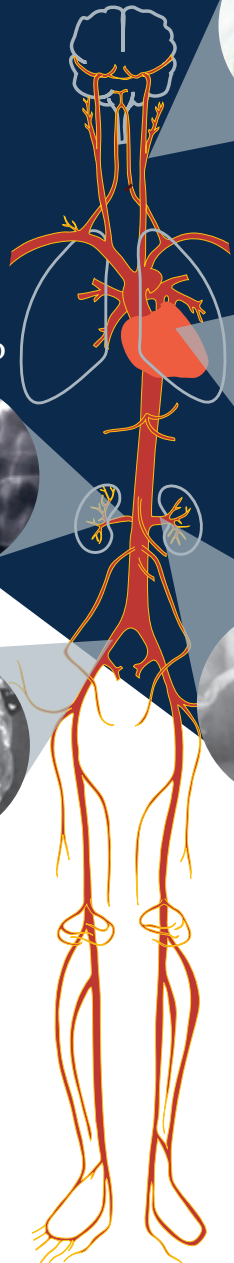
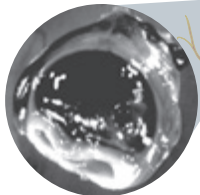
Renal Artery
Multifocal FMD



Renal Artery
Aneurysm



Iliac Artery
Dissection



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THANK YOU IN ADVANCE FOR YOUR
CONSIDERATION!

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UNIVERSITY OF MICHIGAN

DO YOU HAVE A
PATIENT WITH
FIBROMUSCULAR
DYSPLASIA/
ARTERIAL
DYSPLASIA?

***Arterial Dysplasia
Genetic Study***

Arterial Dysplasia is defined as a condition affecting the shape or structure of the artery, such as fibromuscular dysplasia, aneurysm, or dissection of aortic branch arteries. These include the renal artery, coronary artery, carotid artery, and others.