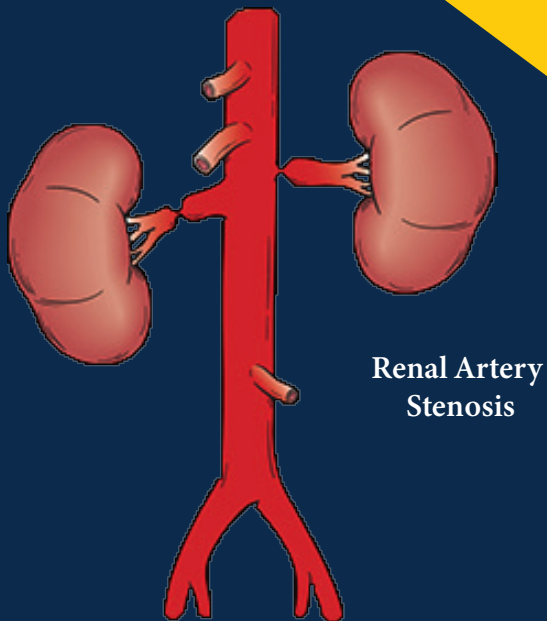


MORE INFORMATION

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 **renal artery stenosis, midaortic syndrome, aneurysm or dissection**. This group of vascular diseases may potentially affect multiple vascular beds, including 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.



ELIGIBILITY

Any 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

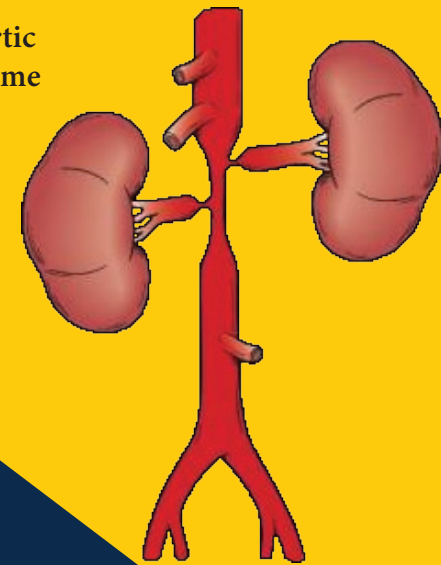
Once enrolled in the study, we will collect a blood or saliva sample (a blood sample is preferred) for genetic testing. Approximately 4 teaspoons of blood or 2 teaspoons of saliva are collected. Along with this, you will be asked to complete two surveys. One inquires about your child's personal health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



BENEFITS

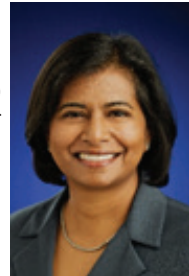
While there is no immediate compensation for participation, this research study will help us to understand how vascular diseases occur and to develop possible therapies.

Midaortic Syndrome



INVESTIGATORS

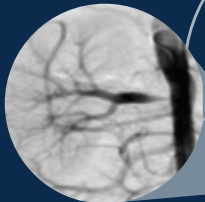
Santhi K. Ganesh, MD,
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Division of Cardiovascular Medicine,
University of Michigan



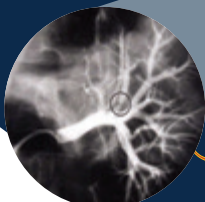
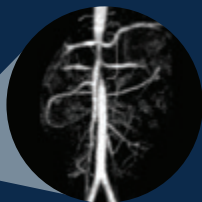
Jonathan L. Eliason, MD,
Professor
Department of Surgery,
Section of Vascular Surgery,
University of Michigan



Renal Artery Stenosis at Vessel Origin



Aortic Coarctation



Renal Artery Stenosis of Segmental Vessel



Renal Artery Aneurysm

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 (blockage), aneurysm (out-pouching) or dissection (tearing). 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.

CONTACT US

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THANK YOU IN ADVANCE FOR YOUR CONSIDERATION!

For information on the Renovascular Hypertension Center

Please Visit:

<https://www.mottchildren.org/conditions-treatments/ped-rvh>

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DOES YOUR CHILD
HAVE
RENOVASCULAR
HYPERTENSION/
MIDAORTIC
SYNDROME?

**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.