

WILL I GET RESULTS FROM THE BLOOD SAMPLE OR SKIN BIOPSY?

No, you will not learn anything directly about your personal health from the skin biopsy. The purpose of obtaining skin samples for the MDC-Biorepository is to learn as much as possible about the proteins and other neurochemical changes that may occur in the blood of people with a movement disorder

WILL THE RESEARCHERS ANALYZING MY SAMPLE KNOW THAT IT'S MINE?

No. Like all samples in this trial, skin biopsy samples will be de-identified, which means that it will be stripped of any information that could link the sample to you as an individual.

Movement Disorders Research

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Parkinson Disease and Movement Disorders Center

BIOREPOSITORY



About the Movement Disorders Center Biorepository

The Movement Disorder Center Biorepository (MDC-Biorepository) is a registry aimed to collect biologic and clinical information, such as blood and tissue samples, and family and medical histories from patients diagnosed with a movement disorder.

This information is carefully maintained so it can be studied repeatedly in the future. The purpose of studying materials from the registry is to identify factors that either cause these neurologic conditions or increase one's risk for developing them.

Samples collected for this biorepository include a blood sample and a skin biopsy. Participants may choose to donate one or both samples.

WHAT IS THE PURPOSE OF COLLECTING BLOOD?

Blood will be obtained from each participant. Blood samples will be analyzed to test for proteins or other chemicals that may differ in amount or change at different rates across the study participant groups. Blood will also be taken to identify genes that may be related to a specific movement disorder.

ARE THERE ANY SIDE EFFECTS FROM BLOOD SAMPLING?

You may experience bruising at the site where the blood was withdrawn, which is usually minor. In addition, you may feel lightheaded during or following the procedure. Drinking fluids and lying down for a few minutes usually reverses this sensation.

WHAT IS A SKIN BIOPSY?

A skin biopsy is a procedure in which a sample of skin tissue is removed, processed, and examined under a microscope.

WHAT IS THE PURPOSE OF THE SKIN BIOPSY IN THIS STUDY?

We will use your skin sample to obtain a special type of cell called a fibroblast. A fibroblast can be processed in the laboratory to give rise to almost all of the cells types of the body. For this study we aim to induce the fibroblast to give rise to neurons, which are

one of the types of cells that can be found in the brain. These neurons can be analyzed for gene expression and other biomarkers. This will help us better understand the mechanism of your disease. This information may help us develop tests for earlier diagnosis and better treatments in the future.

WHAT ARE THE RISKS OF THE SKIN BIOPSY?

The biopsy may cause some pain and discomfort. It is possible, but not likely that you could get an infection. There is a risk of bleeding at the site where the skin sample is taken. This is generally minimal and can be controlled with moderate pressure to the site. In very rare cases, people might have an allergic reaction to the numbing medicine. People who smoke or have diabetes may take more time to heal. You will develop a small scar at the biopsy site. .