

**Please Note: The Adult Cohort is currently not enrolling new participants to this study. The Pediatric Cohort is currently enrolling new participants.**

## Whole-Body MRI Study

### Why is this study being done?

We know that individuals who carry a TP53 mutation have a higher risk of developing different types of cancer over their lifetimes. Currently, there is no standard method of monitoring LFS carriers, family members, or others individuals with cancer predisposition syndromes to detect cancers in the early stages, when they may be more easily treated.

This study aims to test a relatively new medical technology called Whole Body Magnetic Resonance Imaging (MRI), in patients with these syndromes, to see if cancers can be detected at an early stage which may, in turn, allow for more effective treatment. We have chosen Whole Body MRI scanning because this scan allows doctors to look at the entire body in one examination. In addition, by using this technology, participants are not exposed to radiation, which is of particular importance for individuals who have a higher cancer risk due to a diagnosis of LFS.

### Who can participate in this study?

You may be eligible to participate in this study if you meet one of the criteria below:

- You have been found to carry a TP53 mutation
- Members of your family meet classic LFS criteria by family history but do not have an identifiable TP53 mutation
- You are an "obligate" TP53 carrier
- You have been diagnosed with another inherited cancer predisposition syndrome that your doctor feels could benefit from this screening protocol^

Eligible inherited syndromes are associated with a very high risk of developing several different kinds of cancers, some occurring at a relatively young age.

### What is involved in participating?

Participation involves:

- A medical history, which includes questions about your health and family history of LFS or other inherited cancer predisposition syndrome
- Physical exam
- Whole body MRI without IV contrast

### How long is the study?

You will be in this research study for about three years. You will be asked to repeat the physical exam and whole body MRI annually.

### How can I get more information?

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