

There will be three study visits over the course of approximately two years.

At each visit, participants will need to fast 6-8 hours the night before the study visits, have a blood draw, provide a urine sample, and have an MRI. The MRI does not require any IV contrast and is safe for patients with kidney disease. Certain participants will be asked to do a second MRI the day after the first MRI (to check to see how reliable the MRI findings are on a day to day basis). Procedures will be done at Cleveland Clinic Children's and Case Western Reserve University. Travel costs will be covered by the study.

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# Novel MRI Techniques to Evaluate **ARPKD** Kidney and Liver Disease Progression

## Purpose

This study is being done to better understand how certain MRI techniques can be applied to measuring disease progression in ARPKD patients.

## Study Procedures

- › Collection of clinical information (such as blood pressures and results of previous imaging)
- › Blood and urine collection
- › MRI

## Subject Criteria

- › Ages 6-25 years
- › Clinical diagnosis of ARPKD
- › Able to lie in an MRI scanner for up to 60 minutes
- › No history of transplantation of any type
- › Normal or mildly decreased kidney function (Chronic Kidney Disease stage 1 or 2)
- › Able to safely have an MRI (including no pacemakers, implants or a history of difficulties with having an MRI).

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