

# Genetic Disorder Prediction Report

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Patient Age: 23

Gender: Female

Predicted Disorder: Genetic Disorder

Subclass: Leigh syndrome

Date: 31-01-2026

Description:

## ### Overview

Leigh syndrome is a rare genetic disorder that affects the brain and nervous system. It usually appears in

## ### Causes

Leigh syndrome is caused by mutations in genes that are important for the production of energy in cells.

## ### Symptoms

The symptoms of Leigh syndrome can vary, but they often include:

- Delayed development and milestones (like sitting or walking)
- Loss of motor skills (the ability to move and control muscles)
- Weakness in the muscles
- Seizures
- Breathing problems
- Difficulty swallowing
- Poor growth

Symptoms usually start appearing between 3 months and 2 years of age.

## ### Diagnosis

To diagnose Leigh syndrome, doctors will typically:

1. \*\*Take a medical history\*\*: They will ask about symptoms and family history.
2. \*\*Perform a physical exam\*\*: This helps assess development and any physical issues.
3. \*\*Conduct imaging tests\*\*: An MRI of the brain can show changes typical of Leigh syndrome.
4. \*\*Genetic testing\*\*: This can confirm the diagnosis by identifying specific gene mutations.

## ### Treatment

Currently, there is no cure for Leigh syndrome, but treatments can help manage symptoms and improve quality of life.

- \*\*Physical therapy\*\*: To help with movement and strength.
- \*\*Medications\*\*: To control seizures or other symptoms.
- \*\*Nutritional support\*\*: Special diets or feeding tubes may be needed if swallowing is difficult.
- \*\*Supportive care\*\*: This includes therapies to help with daily activities and improve comfort.

## ### Follow-up Advice

If your child has been diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare provider are important.

- \*\*Monitor development\*\*: Keep track of your child's milestones and any changes in symptoms.
- \*\*Stay informed\*\*: Learn about the condition and connect with support groups for families affected by Leigh syndrome.
- \*\*Plan for emergencies\*\*: Be prepared for potential health crises, such as seizures or breathing difficulties.
- \*\*Focus on quality of life\*\*: Focus on providing comfort and improving quality of life.