

# Genetic Disorder Prediction Report

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Patient Age: 25

Gender: Female

Predicted Disorder: Genetic Disorder

Subclass: Leigh syndrome

Date: 14-02-2026

## 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 (or changes) in genes that are important for energy production in

### ### Symptoms

Symptoms of Leigh syndrome can vary widely but often include:

- **Developmental delays**: Children may not reach milestones like sitting up or walking on time.
- **Loss of motor skills**: Skills that were previously learned may be lost.
- **Muscle weakness**: Children may have difficulty with movement and coordination.
- **Seizures**: Some children may experience seizures, which are sudden bursts of electrical activity in the brain.
- **Breathing problems**: Issues with breathing can occur, especially during sleep.
- **Poor feeding**: Infants may have trouble feeding or gaining weight.

### ### 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 the child's development and physical condition.
3. **Order tests**: Blood tests can look for metabolic issues, and genetic testing can identify specific gene mutations.

### ### Treatment

Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improving quality of life.

- **Physical therapy**: To help with movement and coordination.
- **Occupational therapy**: To assist with daily activities.
- **Medications**: To control seizures or other symptoms.
- **Nutritional support**: Special diets or feeding tubes may be necessary if feeding is difficult.

### ### Follow-up Advice

If your child has been diagnosed with Leigh syndrome, regular follow-up with healthcare providers is essential.

- **Schedule regular check-ups**: Monitor your child's development and adjust treatments as needed.
- **Stay informed**: Learn about the condition and connect with support groups for families affected by Leigh syndrome.