

# Genetic Disorder Prediction Report

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Patient Age: 9

Gender: Female

Predicted Disorder: Genetic Disorder

Subclass: Leigh syndrome

Date: 26-12-2025

## 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 the genes that are responsible for producing ene

### ### Symptoms

Symptoms of Leigh syndrome can vary widely but often include:

- **Developmental delays**: Children may not reach milestones like sitting up or walking at the expected
- **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.
- **Breathing problems**: There may be issues with breathing or swallowing.
- **Poor growth**: Children may not gain weight or grow as expected.

### ### Diagnosis

To diagnose Leigh syndrome, doctors will typically:

- **Take a medical history**: This includes asking about symptoms and family history.
- **Perform a physical examination**: This helps assess the child's development and physical condition.
- **Order genetic tests**: These tests can identify specific gene mutations associated with Leigh syndrome.
- **Conduct imaging tests**: MRI scans of the brain can show characteristic changes associated with the

### ### Treatment

Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improv

- **Physical therapy**: To help improve 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 for children who have trouble e

### ### Follow-up Advice

If your child has been diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare t

Additionally, connecting with support groups or organizations focused on Leigh syndrome can be benefic