

Genetic Disorder Prediction Report

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

- ****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

- ****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****: