Genetic Disorder Prediction Report

Patient Age: 4

Gender: Male

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 changes (mutations) in the genes that are important for energy production i

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 a
- **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 experience seizures, which are sudden bursts of electrical activity in the bra
- **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. **Review medical history**: Discuss symptoms and family history.
2. **Conduct a physical examination**: Look for signs of neurological problems.
3. **Order tests**: This may include blood tests to check for metabolic issues, MRI scans to look at the br

Treatment
Currently, there is no cure for Leigh syndrome, but treatment focuses on managing symptoms and improv
- **Physical therapy**: To help with movement and coordination.
- **Medications**: To manage symptoms like seizures or muscle spasms.
- **Nutritional support**: Special diets or feeding tubes may be necessary for those who have trouble eati
- **Supportive care**: This includes therapies to help with development and emotional support for families

Follow-up Advice
If your child has been diagnosed with Leigh syndrome, regular follow-up appointments with a healthcare t
- **Monitor development**: Keep track of your child's milestones and