

GeneAccessAI – Genetic Risk Report

This report is generated for educational purposes only and **does not constitute a medical diagnosis**. Clinical consultation is strongly recommended.

1. Patient Details

Field	Information
Name	Shrawani
Age	20
Sex	Female
Family History	Yes
Symptoms	Cough, Wheezing, Frequent lung infections, Poor growth, Salty skin, Shortness of breath, Digestive problems, Clubbing of fingers, Nasal polyps

2. Report Summary

Prediction: Single-gene inheritance diseases

Confidence Level: 90.00%

Explanation

Single-gene inheritance diseases are caused by mutations in a single gene. These can be inherited in dominant, recessive, or X-linked patterns. Examples include cystic fibrosis, sickle cell anemia, and Huntington’s disease. Symptoms vary widely depending on the gene affected.

3. Prediction Probabilities

Disorder Type	Probability
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Mitochondrial genetic inheritance disorders	5.00%
Multifactorial genetic inheritance disorders	5.00%
Single-gene inheritance diseases	90.00%

4. Recommendations

- Seek genetic testing to confirm the specific condition.
- Consult a genetic counselor for family planning advice.
- Follow treatment or therapy options prescribed for the specific disorder.
- Stay updated with ongoing research and support groups.
- Ensure regular follow-up with specialists for condition-specific monitoring.

5. Report Metadata

Field	Information
Report Generated On	19 September 2025
Generated By	GeneAccessAI v1.0