

Medical Report

Patient Information:

Name: Mr. Rahul Singh

Age: 35 years

Ethnicity: Indian

Residence: Delhi, India

Medical History:

Genetic Disease:

The patient, Mr. Rahul Singh, presents with a family history of Thalassemia, a genetic blood disorder. Genetic testing reveals that Mr. Singh carries the Thalassemia trait, which increases the risk of having a child with Thalassemia major or minor if the partner also carries the trait.

Family Diseases:

In addition to Thalassemia, Mr. Singh's family history also includes a prevalence of type 2 diabetes mellitus. Both of his parents have been diagnosed with diabetes, highlighting a potential genetic predisposition to the condition.

Current Problems:

- Hypertension:** Mr. Singh has been experiencing elevated blood pressure readings during routine check-ups. He reports occasional headaches and dizziness, prompting further investigation into his cardiovascular health.
- Hypercholesterolemia:** Recent lipid profile tests indicate elevated levels of LDL cholesterol, placing Mr. Singh at increased risk for cardiovascular diseases such as atherosclerosis and coronary artery disease.
- Obesity:** Mr. Singh's body mass index (BMI) indicates obesity, with excess weight posing additional risk factors for hypertension, diabetes, and cardiovascular complications.

4. Vitamin D Deficiency: Laboratory results reveal insufficient levels of vitamin D, which may contribute to musculoskeletal issues and weakened immune function if left untreated.

Medications:

1. Hypertension:

- Amlodipine 5mg once daily
- Hydrochlorothiazide 25mg once daily

2. Hypercholesterolemia:

- Atorvastatin 20mg once daily

3. Vitamin D Deficiency:

- Cholecalciferol (Vitamin D3) 1000 IU once daily

This report outlines Mr. Rahul Singh's medical history, current health issues, and prescribed medications to manage his conditions effectively.