GENETIC DISORDER REPORT
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Genetic Disorder: Mitochondrial genetic inheritance disorders
Subclass: Cystic fibrosis

----- PATIENT DETAILS -----
patient_age: 20
father_age: 45
mother_age: 45
gender: Female
genes_mother_side: Yes
inherited_father: Yes
maternal_gene: No
paternal_gene: No
blood_cell_count: 5000
white_blood_cell_count: 7.965
respiratory_rate: 12
heart_rate: 72
parental_consent: None
follow_up: None
birth_effects: None
folic_acid_intake: None
blood_test_result: Not
No_of_previous_abortion: None

----- DESCRIPTION -----
Okay, let's break down Cystic Fibrosis (CF) in simple medical terms, even though it's not directly relate

Cystic Fibrosis (CF)

Overview:

* CF is a genetic disease that primarily affects the lungs, digestive system, and other organs. It cause

Causes:

* **Genetic Mutation:** CF is caused by a mutation (a change) in a gene called the CFTR (cystic fibro
* **Inheritance:** To have CF, a person must inherit two copies of the mutated CFTR gene – one from

Symptoms:

The symptoms of CF can vary from person to person and can range from mild to severe. Common sym

* **Lung Problems:**
   * Persistent coughing, sometimes with mucus
   * Wheezing or shortness of breath
   * Frequent lung infections (pneumonia, bronchitis)
   * Nasal congestion and sinus infections
* **Digestive Problems:**
   * Very salty-tasting skin or sweat
   * Poor growth or weight gain, despite a normal appetite
   * Frequent greasy, bulky stools
   * Constipation or intestinal blockage (especially in newborns)
* **Other:**
   * Infertility (especially in males)
   * Pancreatitis (inflammation of the pancreas)