

Medical Reports by Pathopredict

Patient Name: Rushil Dhingra

Age: 18

Gender: Male

Date of Examination: 2/15/2005

Report ID: 1215



Clinical History

The patient presented with the following symptoms:

- Persistent cough for over 2 weeks
- Chest pain
- Fatigue and weakness
- Unintended weight loss
- Fever and night sweats
- Loss of appetite

Diagnostic Tests Conducted

1. Chest X-Ray:

- Findings: Presence of nodular opacities and cavitation in the upper lobes, suggestive of active TB.
- Severity Score: 7 (Moderate)
- TB Stage: Stage 2 (Pulmonary Tuberculosis)

2. Sputum Test (AFB Smear and Culture):

- Acid-Fast Bacilli (AFB) Detected: Positive
- Culture: Mycobacterium tuberculosis complex identified

3. Blood Test (Complete Blood Count & ESR):

- Elevated Erythrocyte Sedimentation Rate (ESR)
- Mild anemia observed

4. Tuberculin Skin Test (TST) / Interferon-Gamma Release Assay (IGRA):

- . Positive for TB infection

Diagnosis

- **Pulmonary Tuberculosis (Active TB)**

Severity and Stage

- **Severity Score:** 7 (Moderate)
- **Stage:** Stage 2 (Based on clinical symptoms and radiographic findings)

Treatment Plan

1. **Intensive Phase (First 2 Months):**
 - . Rifampicin (R), Isoniazid (H), Pyrazinamide (Z), and Ethambutol (E)
2. **Continuation Phase (Next 4 Months):**
 - . Rifampicin (R) and Isoniazid (H)
3. **Supportive Care:**
 - . Nutritional support and hydration
 - . Multivitamins and supplements
4. **Follow-up Plan:**
 - . Monthly sputum examination
 - . Chest X-ray after 2 months of intensive therapy
 - . Regular liver function tests due to potential drug toxicity

Recommendations

- **Isolation Precautions:** Until sputum conversion is confirmed
- **Notify Close Contacts:** Screening recommended for close family members
- **HIV Testing:** Recommended as per WHO guidelines

Remarks

- The patient is advised to adhere strictly to the prescribed medication regimen to prevent drug resistance.
- Close monitoring and follow-up are essential to ensure complete recovery.

Signature and Seal (Reach the nearest Government Hospital)