

EHR Report

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Clinical Report: Likely Diagnosis

Patient: Michael Rodriguez (MRN: 00291837)

Date of Encounter: 2025-05-01

Clinician: Dr. Aisha Patel

Likely Diagnosis:

Based on the provided EHR data, the most likely diagnosis is **Chronic mechanical low back pain (CLBP)**.

Clinical Rationale:

1. **Objective Data from EHR:**
 - * **Chief Complaint:** "Chronic lower back pain"
 - * **History of Present Illness:** Pain for 3 months, worse when sitting, no trauma, no numbness/tingling.
 - * **Physical Exam:** "Tenderness over L4-L5, limited forward flexion"
 - * **Assessment:** Explicitly documented as "Chronic mechanical low back pain."
2. **Clinical Interpretation & Literature Alignment:**
 - * The patient's presentation directly aligns with the description of Chronic Low Back Pain (CLBP) from the provided literature, which states: "Patients with chronic mechanical low back pain often present with tenderness over the lumbar region, limited forward flexion, and discomfort when sitting for extended periods."
 - * The duration of pain (3 months) fulfills the "chronic" criterion. The absence of trauma, numbness, or tingling further supports a mechanical etiology rather than a radicular or emergent cause.
 - * The EHR notes comorbidities of Hypertension and Hyperlipidemia, which the literature states "are common and should be considered in the management plan" for CLBP patients.
 - * The prescribed plan, including physiotherapy, core strengthening, NSAIDs PRN, and follow-up, is consistent with the holistic approach to managing CLBP described in the literature.