

EHR Report

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Clinical Report: Likely Diagnosis

Patient: Michael Rodriguez (MRN: 00291837, DOB: 1975-04-22, Male)

Encounter Date: 2025-05-01

Clinician: Dr. Aisha Patel

Objective Data from EHR:

The EHR explicitly states the following under "assessment":

- * Chronic mechanical low back pain

Clinical Interpretation and Context (referencing `literature_example.pdf`):

Based on the EHR assessment, the likely diagnosis is chronic mechanical low back pain (CLBP). This aligns with the patient's chief complaint of chronic lower back pain for 3 months, which is worse with sitting.

Supporting findings from the EHR that are consistent with CLBP, as described in the provided literature (`literature_example.pdf`), include:

* **Presenting Symptoms:** Pain for 3 months, worse when sitting for extended periods (literature notes CLBP often exacerbated by prolonged sitting).

* **Physical Exam Findings:** Tenderness over L4-L5 and limited forward flexion (literature states patients with chronic mechanical low back pain often present with tenderness over the lumbar region and limited forward flexion).

* **Comorbidities:** The patient has a past medical history of hypertension and hyperlipidemia, which the literature states are common comorbidities that should be considered in the management plan for CLBP.

The planned interventions in the EHR, such as physiotherapy referral, core strengthening exercises, and NSAIDs PRN, are consistent with the holistic approach to managing CLBP described in the literature, which includes non-pharmacologic interventions (physiotherapy, core strengthening) and pharmacologic treatment (NSAIDs).