

EHR Report

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Clinical Report: Diagnosis Summary

Patient: Michael Rodriguez (MRN: 00291837)

Encounter Date: 2025-05-01

Clinician: Dr. Aisha Patel

1. Objective Data from EHR

The patient's EHR, under the "assessment" section, explicitly states the diagnosis:

* **Chronic mechanical low back pain**

2. Clinical Interpretation & Reasoning

Based on the provided EHR data, the diagnosis of "Chronic mechanical low back pain" is directly documented within the assessment section. This aligns with the patient's chief complaint of "Chronic lower back pain" and the history of present illness noting pain for 3 months, exacerbated by sitting.

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

* **Duration:** Pain for 3 months (consistent with "chronic").

* **Exacerbating factors:** Worse when sitting (literature states "often exacerbated by prolonged sitting and poor posture," and patients "discomfort when sitting for extended periods").

* **Physical Exam:** Tenderness over L4-L5 and limited forward flexion (literature notes "tenderness over the lumbar region, limited forward flexion").

* **Absence of Red Flags:** No trauma, numbness, or tingling reported, which would suggest a more complex etiology.

The plan outlined in the EHR (Physiotherapy referral, Core strengthening exercises, NSAIDs PRN, Follow up in 4 weeks) is consistent with the management strategies for Chronic Low Back Pain (CLBP) described in the provided literature, which recommends non-pharmacologic interventions like physiotherapy and core strengthening, and pharmacologic treatment such as NSAIDs. The literature also emphasizes the importance of follow-up.

3. Uncertainty or Missing Information

* The EHR data does not contain imaging results (e.g., X-ray, MRI) which might provide further anatomical detail, although the current assessment of "mechanical" suggests a non-specific cause.

* Specific details regarding the nature of the core strengthening exercises are not provided in the plan, but a physiotherapy referral implies a structured approach.

Disclaimer: This report is generated by a clinical decision-support tool and is for informational purposes only. It is not a substitute for professional medical judgment, diagnosis, or treatment. The diagnosis presented here is directly extracted from the provided EHR assessment section.