EHR Report

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Clinical Report: Likelihood of Diagnosis

Patient Information:
*   **Name:** Michael Rodriguez
*   **MRN:** 00291837
*   **DOB:** 1975-04-22 (Age: 50)
*   **Sex:** Male

Encounter Details:
*   **Date:** 2025-05-01
*   **Type:** Outpatient
*   **Clinician:** Dr. Aisha Patel

Chief Complaint:
Chronic lower back pain.

Clinical Assessment (Objective Data from EHR):
The treating clinician's assessment states: "Chronic mechanical low back pain."

Clinical Interpretation and Reasoning (Likely Diagnosis):

Based on the provided EHR data, the most likely diagnosis, as assessed by the treating clinician, is **Chronic mechanical low back pain**. This assessment is strongly supported by the following:

*   **Chronicity:** The history of present illness (HPI) notes pain for 3 months, which meets the definition of chronic pain.
*   **Mechanical Nature:**
    *   The pain is described as worse when sitting, suggesting a positional or activity-related component, characteristic of mechanical low back pain.
    *   Physical examination reveals tenderness localized to L4-L5 and limited forward flexion, further supporting a musculoskeletal origin.
    *   The absence of reported trauma and specific neurological symptoms (no numbness/tingling) in the HPI reduces the likelihood of acute traumatic injury or radiculopathy, aligning with a mechanical diagnosis.

Uncertainty / Missing Information:
The provided EHR data does not include detailed neurological examination findings beyond the absence of numbness/tingling, specific "red flag" screening questions (e.g., fever, unexplained weight loss, bowel/bladder changes), or any imaging results. While the current data strongly supports the clinician's assessment, further details in these areas would provide a more comprehensive picture and rule out less common but serious etiologies.