

EHR Report

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EHR-Derived Clinical Report: Assessment of Likely Diagnosis

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

Encounter Date: 2025-05-01

EHR Stated Assessment:

The clinician's assessment within the provided EHR identifies the likely diagnosis as:

- * **Chronic mechanical low back pain**

Supporting Clinical Data from EHR:

- * **Chief Complaint:** Chronic lower back pain.

- * **History of Present Illness (HPI):**

- * Pain present for 3 months.
 - * Pain is worse when sitting.
 - * No reported history of trauma.
 - * Absence of numbness or tingling (pertinent negative for radiculopathy).
- * **Physical Exam (Musculoskeletal):**
 - * Tenderness noted over L4-L5 vertebral segments.
 - * Limited forward flexion of the lumbar spine.
- * **Past Medical History:** Hypertension, Hyperlipidemia.
- * **Vitals:** Within normal limits (BP 132/84, HR 78, Temp 36.7C, SpO2 98%).

Clinical Interpretation:

The EHR data consistently supports the clinician's assessment of chronic mechanical low back pain. The duration of pain (3 months) indicates chronicity. The exacerbation with sitting, absence of trauma, and lack of neurological symptoms (numbness/tingling) are classic features often associated with mechanical low back pain. The physical exam findings of L4-L5 tenderness and limited forward flexion further correlate with a localized, mechanical etiology. There are no red flags (e.g., fever, weight loss, severe nocturnal pain, progressive neurological deficit) explicitly mentioned in the provided EHR to suggest more serious underlying conditions, aligning with a mechanical diagnosis.

Uncertainty/Missing Information:

- * Specific pain quality, intensity, and aggravating/alleviating factors beyond "worse when sitting" are not detailed.

- * Neurological exam details (e.g., motor strength, reflexes, sensation) are not explicitly provided beyond the absence of numbness/tingling.

- * Imaging results (e.g., X-ray, MRI) are not available in the provided record.

- * Effectiveness of NSAIDs PRN is not yet known given the recent plan.