

**Name of Journal:** *World Journal of Orthopedics*

**Manuscript NO:** 61188

**Manuscript Type:** REVIEW

**Slacklining as therapy to address non-specific low back pain in the presence of multifidus arthrogenic muscle inhibition**

Slacklining for AMI in NSLBP

**Abstract**

*Low back pain* (LBP) represents the most prevalent, problematic and painful of musculoskeletal conditions that affects both the individual and society with health and economic concerns. LBP is a heterogeneous condition with multiple diagnoses and causes. In the absence of consensus definitions, partly because of terminology inconsistency, it is further referred to as *non-specific* (NS) LBP. In NSLBP patients, the lumbar *multifidus* (MF), a key stabilizing muscle, has a depleted role due to recognized myocellular lipid infiltration and wasting with the potential primary cause

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