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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 myoelectric lipid infiltration and wasting with the potential primary cause

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Apr 27, 2020 · ed to its structure, role in spinal stability, and its association and clinical significance with CLBP. Additionally, the **presence** of MF-**arthrogenic muscle inhibition** (AMI) and its relation to induced CLBP, through depleted lumbar stabilization, has gained increased recognition. In contrast, the differential diagnostic use of MRS analysis has suggested specific links between the **presence** of MF ...

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