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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 60212

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Prospective Study

Effect of suspension training on neuromuscular function, postural control and knee kinematics in anterior cruciate ligament reconstruction patients

Suspension training after ACL reconstruction

Abstract

BACKGROUND

Suspension training (SET) is a method of neuromuscular training that enables the body to carry out active training under unstable support through a suspension therapy system. However, there have been few reports in the literature on the application of SET to ACLR patients. It is not clear what aspects of the patient's function are improved after suspension training

Neuromuscular Function of the Knee Joint Following Knee ...

<https://link.springer.com/article/10.1007/s40279-020-01386-6> ▼

Neuromuscular deficits are common following **knee** injuries and may contribute to early-onset post-traumatic osteoarthritis, likely mediated through quadriceps dysfunction. To identify how peri-articular **neuromuscular function** changes over time after **knee** injury and surgery. Systematic review with meta-analyses. PubMed, Web of Science, Embase, Scopus, CENTRAL (Trials).

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Nov 28, 2020 · Background. The altered coordination variability was related to **anterior cruciate ligament** (ACL) re-injury after ACL **reconstruction** (ACL-R). As motor performance is affected by the cognitive loading, understanding the interaction of cognition and coordination variability is crucial for addressing secondary injury prevention and restoring **function** in rehabilitation programs.

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The development of an effective and inexpensive device to restore and enhance the human musculoskeletal **functions** is of particular interest. Sling exercise therapy (SET) is one of the most effective developed tools in rehabilitation of musculoskeletal disorders, which has been successfully used in various applications ranging from diagnosis to treatment.

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The **Effect** of Six Weeks **Suspension Training** On Functional Test's Score in **Athletes with Functional Ankle Instability** Kalantariyan M 1 , Minoonejad H 2 , Rajabi R 3 , Seydi F 4

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Apr 29, 2020 - Knee Instability (KI) is described as a sense of knee buckling, shifting, or giving way during the weight bearing activities. High prevalence (60–80%) has been reported for KI amongst the patients with knee osteoarthritis (KOA). In this line, the present study targeted the effect of two interventions on self-reported KI and affected factors.

Author: Shirin Assar, Farzaneh Gandomi, Mah... Publish Year: 2020

Medscape | J Sport Rehabil - Publication Information

https://reference.medscape.com/viewpublication/50035_2 ▾

The Effect of Proprioceptive Training on Directional Dynamic Stabilization May 05, 2020 | MEDLINE