Special Issue

Biomechanics and Injury Rehabilitation

Message from the Guest Editor

The rehabilitation of any human tissue after injury is influenced by a multitude of factors. Different biomechanical aspects play a major role in how well and fast we recover from injuries. Understanding shear forces that are acting on the knee joint is paramount for designing specific rehabilitation programmes which assure a good clinical outcome. Biomechanical limb exercise devices can help stroke recovery. Age and sex influence the biomechanical properties of allografts and highlight the crucial need for further knowledge on passive biomechanical properties of human tissues. This Special Issue focuses on new developments and treatment strategies in the field of biomechanics that aid human tissues to maintain, regain or enhance their physical strength after injury. In particular, we invite high-quality research articles that target the interaction between tissue structure and biomechanical function related to injury rehabilitation. Keywords

- biomechanical properties
- biomechanics
- injury
- rehabilitation
- tissue graft

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/92454

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

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