Special Issue

Renewal of Tendon Insertion

Message from the Guest Editors

Tendon insertion pathology is one of the major tendon problems today. Different tendons express pathology on the tendon–bone interface. Usually, their insertions are on the convex, outside part of the body (shoulder rotator cuff insertion, patellar tendon insertion, Achilles tendon insertion) where the eccentric forces are dominant. These tendons are prone to internal structural changes that generate change in collagen structure, chondroid metaplasia, and eventually ossification on tendon insertion. Why and how is the bone–tendon interface distorted? Can we renew tendon insertion with a conservative approach? Removal of degenerative tendon tissue and tendon reconstruction are the mainstream of surgical treatment. What is, then, the best approach? How can we fix the tendon, and should we respect the original tendon footprint? This Issue should discuss all aspects of tendon–bone pathology and current research guidelines such as biological approaches of molecular and tissue mediators' activity level and tendon–bone healing updates, biomechanical approaches, surgical reconstruction approaches, and physotherapy or rehabilitation support.

Guest Editors

Dr. Masafumi Gotoh

Department of Orthopaedic Surgery, Kurume University Medical Center, Kurume 839-0863, Japan

Dr. Hrvoje Klobučar

Akromion—Special Hospital for Orthopaedic Surgery, 49217 Krapinske Toplice, Croatia

Deadline for manuscript submissions

closed (22 April 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/99825

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

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 multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)