Special Issue

Total Knee Arthroplasty: Improving Outcomes with New Technologies and a Multidisciplinary Approach

Message from the Guest Editors

Total knee arthroplasty is one of the more widespread and effective procedures in orthopedic surgery. New strategies have been developed in recent years to improve patient's outcomes and satisfaction. The introduction of new technologies such as imageless navigation, personalized implants and cutting instruments, robotic surgery, augmented reality, and artificial intelligence is gaining more and more interest showing promising results in the recent literature. On the other side, a multidisciplinary approach, starting from the pre-operative phase towards the rehabilitation protocol through a tailored pain management and involving different specialists is becoming a crucial part of the patient's treatment and follow up. Telerehabilitation also is gaining an important role in this scenario. Aim of this special issue is to focus on these cutting-edge topics and to give an update on the current status of the literature.

Guest Editors

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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.

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