

Special Issue

Orthopedic Trauma and Fractures: From Pathophysiology to Novel Therapeutic Approaches

Message from the Guest Editors

Bone and joint traumatology is a continuously growing sector of orthopedics, evolving both from a diagnostic and treatment point of view. Correctly understanding the traumatic mechanism and diagnosis made in a short time frame is of essential importance to manage these conditions as best as possible. It is also very important to understand the availability and applicability of diagnostic imaging tools, which can be decisive in avoiding diagnostic errors and, consequently, incorrect treatments. Over the years, we have moved from a predominantly conservative treatment of fractures to the tendency to treat the majority of them with surgery, always after a correct evaluation of the indication for such treatment. This has led to improvements in surgical techniques, which should possibly be mini-invasive, thanks to dedicated fixation devices produced by the industry, without neglecting the anatomical reduction in the fracture. The considerable attention paid nowadays to all methods of preventing trauma and its recurrences should not be underestimated. This Special Issue aims to collect original articles that can help understand this complex field of interest.

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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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