Special Issue

Clinical Gait Analysis in Children: Progress and Relevance: Second Edition

Message from the Guest Editor

Often taken for granted, skills such as walking, running or other locomotor modes are deemed vital aspects of mobility in children. Quantitative motion analysis facilitates the identification of atypical characteristics, helps to observe and evaluate them and assists in identifying the source of impairments. This Special Issue focuses on the application of clinical human movement science with an emphasis on the biomechanics of locomotion. The main focus will be on the following three key topics:

Better detection of pathologies and understanding their genesis.

Optimization of diagnostics and clinical decision making.

Enhancement of interventions, such as exercises, therapy, orthoses, walking aids, drugs or invasive treatments, to alleviate impairments and lower the burden for children.

The spectrum of cohorts may be multifaceted. Methodological work that demonstrates and optimizes the applicability, accuracy and validity of motion capture technology in the medical context is also welcome.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

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