Clinical Gait Analysis in Children: Progress and Relevance

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Message from the Guest Editors

Dear Colleagues,

Often taken for granted, skills such as walking, running or other locomotor modes are deemed vital aspects of mobility in children. This special issue focuses on the application of clinical human movement science with an emphasis on biomechanics of locomotion. Main focus will be put on 3 key topics:

- Better detect pathologies and understand their genesis.
- Optimize diagnostics and clinical decisions making.
- Enhance 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 welcome, too.

While the scope of this special issue is to be diverse, it is mandatory that each publication comments in detail on the added value and benefit of the findings from the perspective of practitioners, caregivers, families and foremost of the pediatric patients' point of view.

Special issue