



Effect of Neuromuscular Deficit on Gait

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Message from the Guest Editor

Dear Colleagues,

Gait is a major human movement, and its physiological function is fundamental for a wide range of physical activities (e.g., household chores, sports, transportation, work). However, this movement can be compromised in the existence of any neuromuscular deficit such as muscle weakness, abnormal muscle tone, and coordination. Despite the large number of neurological and orthopedic conditions inducing neuromuscular deficits, few data exist on the concomitant changes in gait. Therefore, this Special Issue invites original research and review papers in both neurological and orthopedic conditions that lead to abnormal gait. We are especially interested in research on the effects of cerebral palsy, cerebrovascular accident, ataxia, Parkinson's disease, and weakness of hip, knees, and ankle muscle groups on gait mechanics and metabolic cost.

Dr. Pantelis T. Nikolaidis
Guest Editor





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Message from the Editor-in-Chief

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