

Special Issue

Muscular Activity and Kinematics in Parkinson's

Message from the Guest Editor

Parkinson's disease (PD) is the second most common neurological disease affecting 1% of the over-60s population. It is a movement disorder that involves many different pathways of both the central and peripheral nervous system. Gait disorders as alterations in spatiotemporal parameters are typical in patients with PD, usually together with impairments of speech, gait and posture, balance disturbances, impaired decision making, alertness, regulation of emotions, and hypomimia. As the basal ganglia are dysfunctional in PD, and their role in the motor control of skilled voluntary movements is compromised, biomechanics and motor control of gait in people with PD are a topic of growing interest for researchers and clinicians.

New biomechanical approaches, different rehabilitation paths, personalized exercises, and physical activity are continuously proposed with the main aim to improve the quality of life of such patients and to reduce their symptoms. Papers addressing these topics and proposing new, innovative and unknown methodologies are invited for this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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