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Advanced Technologies for Assessment and Therapy in Rehabilitation Medicine

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Message from the Guest Editors

Nowadays, medicine technology plays an important part in the rehabilitation management of patients suffering from a wide range of pathologies. Assessment tools using advanced technologies can be addressed to upper or lower limbs function, posture, balance or gait evaluation. Moreover, when referring to rehabilitation medicine, the regaining of lost or impaired functions can be achieved by the increasing use of modern technologies such as assistive technologies, virtual motion and robotic-assisted systems or interactive wearable systems. Physical and occupational therapy can be also delivered through telerehabilitation; this can include motor training exercises, virtual reality or robotic therapy. Adjustments of the living environment by the use of technology should represent a reachable target in the healthcare of people with different disabilities.

Key words:

- postural/balance assessment
- gait analysis
- robotic therapy
- virtual reality
- assistive technologies
- exoskeletons
- neuroprostheses
- telerehabilitation
- environmental interventions
- ergonomics

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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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