Special Issue

Artificial Intelligence in Rehabilitation

Message from the Guest Editors

Rehabilitation is a complex process, including a variety of interventions that are aimed at improving the dimensions of functioning, including body structure and functions, activity and participation. The use of AI to improve the delivery and outcomes of rehabilitation is a priority of the National Institutes of Health Rehabilitation Research Plan, and, in the last decade, research on the use of AI to improve key rehabilitation processes and outcomes is steadily growing. The use of AI in rehabilitation has the potential to improve the quality of care given to patients, while also providing economic benefits, building its knowledge on the amount of health-related data that can be collected to assess patient outcomes, in real time, and even out of hospital settings, within the environments that people live in. This Special Issue welcomes original research articles, narratives and systematic reviews that are focused on, but not limited to, the following themes:

- Learning/AI applications in rehabilitation;
- Clinical validation of algorithms;
- Decision support in rehabilitation;
- Data-driven rehabilitation.

Guest Editors

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Deadline for manuscript submissions

closed (18 March 2023)

MDPI

About the Journal

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.

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