

Special Issue

Clinical Recent Research in Rehabilitation and Preventive Medicine

Message from the Guest Editors

Wearable sensor devices are transforming patient monitoring by providing real-time data that inform personalized rehabilitation programs and preventive strategies. Advances in biomechanics and motion analysis are enabling the identification of movement patterns that predispose patients to injuries, facilitating targeted interventions to improve patient outcomes. Regenerative medicine, particularly the use of stem cells, is offering new treatment possibilities for complex musculoskeletal conditions, significantly enhancing recovery outcomes. Musculoskeletal ultrasound has emerged as a critical tool in diagnostics and treatment, providing dynamic, real-time imaging, which is essential for precise diagnosis and guided interventions. The integration of AI in ultrasound systems further improves diagnostic accuracy and training efficiency. Additionally, telehealth and remote monitoring are ensuring continuous patient care, extending the reach of physical medicine beyond traditional clinical settings. This Special Issue aims to compile research that not only advances clinical outcomes, but also shapes the future landscape of rehabilitation medicine and preventive healthcare.

Guest Editors

Prof. Dr. Mihai Berteanu

Dr. Marius Nicolae Popescu

Prof. Dr. Mădălina-Gabriela Iliescu

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Medicina
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
medicina@mdpi.com

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Editor-in-Chief

Prof. Dr. Edgaras Stankevičius
Medical Academy, Lithuanian University of Health Sciences, Kaunas,
Lithuania

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