

Special Issue

Advances in Elastography for Applications in Rehabilitation, Physiotherapy, and Sports Sciences

Message from the Guest Editors

Elastography, including techniques such as shear wave elastography (SWE), has emerged as a valuable tool for quantifying tissue stiffness and mechanical properties in a non-invasive manner. This innovative imaging modality provides insights into the pathophysiology of soft tissue disorders, facilitating early detection, the monitoring of treatment efficacy, and enhanced precision in clinical decision-making. This Special Issue will gather original research articles, systematic reviews, and meta-analyses that investigate the application of elastography in the following areas:

1. Assessing soft tissue changes in conditions such as low back pain, tendinopathies, and muscle injuries;
2. Evaluating the effects of physiotherapy and rehabilitation interventions on tissue properties;
3. Monitoring recovery processes in sports and musculoskeletal injuries;
4. Developing standardized protocols for elastography in clinical practice and sports applications;
5. Combining elastography with other imaging modalities to improve diagnostic precision and treatment planning.

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