

Special Issue

Advances in Rehabilitative Ultrasound Imaging and Sensing

Message from the Guest Editor

Currently, there is a growing interest among physiotherapists regarding the use of ultrasound imaging in clinical work. The use of ultrasound imaging in physiotherapy is known as rehabilitative ultrasound imaging (RUSI). RUSI is used in physiotherapy in some ways: Diagnostic US (as an aid in the functional diagnosis of neuromusculoskeletal disorders - point-of-care applications), Rehabilitative US (as sonofeedback to support therapeutic management), Interventional US (as percutaneous procedures like dry needling, acupuncture e.t.c.) and Research US (explore muscle and soft-tissue structure and function, develop and evaluate screening tool and intervention). RUSI is widely used for the assessment and treatment of lower back pain, neck pain, rotator cuff issues, pelvic floor dysfunction, and many other conditions. This Special Issue aims to collect original scientific articles and reviews on the latest developments regarding the use of RUSI in physiotherapy.

- rehabilitative ultrasound imaging
- RUSI
- USI
- ultrasound imaging
- shear wave elastography
- physiotherapy
- rehabilitation
- biofeedback
- sonofeedback

Guest Editor

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