

Special Issue

Ultrasound Diagnosis and Guided Intervention of Musculoskeletal/Neuromuscular Pathology 2023

Message from the Guest Editors

The advancement of ultrasound technology has enabled the delineation of the reciprocal anatomy of the regions, thereby enhancing identification of the underlying pathology. There are many advantages of using ultrasound to explore musculoskeletal pain, including the lack of radiation, real-time imaging, non-invasive evaluation of vascularity and allowance of dynamic studies. Recently, the development of elastography has improved the qualitative and quantitative evaluation of mechanical properties of tendons and muscles, providing better diagnostic accuracy and follow-up of musculoskeletal disorders. Once the cause of pain is correctly diagnosed, the intervention instrument can also be directed through ultrasound guidance, increasing the rate of treatment success. Therefore, this Special Issue will provide a collection of narrative or systematic reviews, basic research and clinical studies which employ ultrasound to identify the origin and associations of musculoskeletal pain as well as to guide interventions.

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