Special Issue

Advances in Ultrasound Imaging and Sensing for the Clinician, Researcher, and Educator

Message from the Guest Editor

High-frequency sonic energy is used to treat and diagnose disease and pathology. The images formed from the echo produced when soundwaves pass through biological tissues of differing density, chemical composition, and physical makeup are used by clinicians, researchers, and educators to study the anatomy of many organisms. Advances in ultrasound imaging technology have improved the quality of ultrasound images, as well as the cost and portability of ultrasound equipment. Point-of-care ultrasound imaging is practical and affordable owing to improvements in ultrasound technology. The same improvements in ultrasound technology has led to increased research activity, improving the understanding of disease, injury, and healing mechanisms. This Special Issue of *Sensors* will explore several areas of ultrasound imaging that have advanced over the previous several years. 1. Define normal and abnormal musculoskeletal anatomy
2. Determine the relationship between musculoskeletal anatomy, motion, and MSK injury or impairment
3. Determine normal and abnormal blood flow and tissue perfusion
4. Determine the mechanical parameters of biological tissues

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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