

MSK Ultrasound and clinical decision making: The Five Most Prevalent Pathologies in Shoulder, Knee and Ankle and clinical decision making.

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Abstract

Clinical evidence and research support using ultrasound as the first diagnostic test for numerous musculoskeletal conditions. Ultrasound imaging is superior to other imaging techniques in terms of cost effectiveness, higher patient satisfaction, multiplanar capability, time saving and overall efficiency in patient care. Recent advances in sonar and ultrasound technology have created a more functional and practical approach to evaluate joints, muscles, ligaments and even nerves. Ultrasound imaging enhances the understanding of the soft tissue structures when used as an extension to physical examination. At the same time, diagnostic ultrasound is noninvasive and offers real-time imaging, allowing for examinations of structures at rest and in motion. This ability to capture the movement of musculoskeletal components differentiates it from other imaging modalities, and can permit more accurate diagnoses. Integration of diagnostic ultrasound changes the way you treat patients based on clinical information that was not previously available to us as clinicians. This presentation will highlight the role of ultrasound imaging as a point of care tool and how it can be used to aid clinical decision making along with understanding the relevant anatomy, imaging technique, and basic pathology of the shoulder, Knee and Ankle joint. clinical decision making along with understanding the relevant anatomy, imaging technique, and basic pathology of the shoulder, Knee and Ankle joint.

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