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Advantages of the Ultrasound Study for the Diagnosis of Osteoarthritis in the Knee, Ankle and Foot

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ABSTRACT Ultrasound in recent years has been shown to be a valuable study; however, it is necessary to carry out research that highlights the use of this method in order to identify predisposing factors for osteoarthritis, as well as to have a classification that allows determining the phase in which the disease is currently.The research proposes to determine the effectiveness of the ultrasound for the diagnosis and monitoring of osteoarthritis. The study was made non-experimental, cross-sectional, descriptive, evaluating 100 subjects in both lower limbs. The predisposing findings found were misalignment of the extensor mechanism and the presence of undiagnosed lesions. The damages most frequent related to osteoarthritis were: thinning and irregularity of articular cartilage and cortical bone, synovitis, marginal osteophytes; concluding that the technological advances in ultrasound allow to show initial degenerative changes and we can visualize predisposing factors for this condition.