



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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DIAGNOSTIC PERFORMANCE OF ULTRASOUND IN ANKLE PAIN

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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ABSTRACT

Ankle pain is one of the most common complaints patients of various age groups present with to various out-patient clinics as well as emergency department. The diagnosis of the underlying condition by clinical examination alone can be problematic in many cases raising the need for aiding diagnostic tools namely serological tests and different imaging modalities. In our study we compared the diagnostic accuracy of ultrasound examination of the ankle joint with that of the MRI in 40 patients who presented to Ain-Shams University Hospitals out-patient clinical complaining of ankle pain

Keywords: Ankle pain, MSK ultrasound, tendo-Achilles, MRI ankle

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LIST OF ABBREVIATIONS

ATFL	:Anterior Talo Fibular Ligament
CFL	:Calcaneo Fibular Ligament
CT	:Computed Tomography
EDL	:Extensor Digitorum Longus
EHL	:Extensor Hallucis Longus
FDL	:Flexor Digitorum Longus
FHL	:Flexor Hallucis Longus
FOV	: Field of view
LCL	:Lateral Collateral Ligament
LM	:Lateral malleolus
MCL	:Medial Collateral Ligament
MM	:Medial malleolus
MRI	:Magnetic Resonance Imaging
MSK US	:Musculo-Skeletal Ultrasound
NPV	:Negative predictive value
PB	:Peroneus Brevis
PCL	:Perneo Calcaneal Ligament
PD	:Proton Density
PL	:Peroneus Longus
PPV	:positive predictive value
PT	:Peroneus Tertius
PTFL	:Posterior Talo Fibular Ligament
PVNS	:Pigmented Villo-nodular synovitis.
RA	:Rheumatoid arthritis
SNR	:Signal to Noise Ratio
STIR	:Short Tau Inversion Recovery
TA	:Tibialis Anterior
TP	:Tibialis Posterior
US	: Ultrasound

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