

**THE ROLE OF HIGH RESOLUTION
ULTRASONOGRAPHY IN THE
EVALUATION OF ANKLE AND FOOT
INJURIES**

THESIS

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degree in radio-diagnosis

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ABBREVIATIONS

A	Achilles tendon.
ACH	Achilles tendon.
AH	Abductor hallucis.
AITFL	Anterior inferior tibiofibular ligament.
AT	Achilles tendon.
ATAF	Anterior talofibular ligament.
ATBF	Anterior tibiofibular ligament.
ATFL	Anterior talofibular ligament.
C	Calcaneus.
CAL	Calcaneus.
CALC	Calcaneus.
CF	Calcaneofibular ligament.
CFL	Calcaneofibular ligament.
DL	Deltoid ligament.
DPN	Deep peroneal nerve.
EDL	Extensor digitorum longus.
EHL	Extensor hallucis longus.
EV	Eversion.
FDB	Flexor digitorum brevis.
FDL	Flexor digitorum longus.
FHL	Flexor hallucis longus.
FIB	Fibula.
FIG	Figure.
FP	Fat pad.
FR	Flexor retinaculum.
GSV	Great saphenous vein.
HFP	Hoffa fat pad.
IER	Interior extensor retinaculum.
ITFJ	Inferior tibiofibular joint.
KFS	Kager fat space.
L	Loculations.

LM	Lateral malleolus.
LSV	Lesser saphenous vein.
MM	Medial malleolus.
NAV	Navicular bone.
P	Peroneal tendons.
PB	Peroneus brevis.
PITFL	Posterior inferior tibiofibular ligament.
PL	Peroneus longus.
PM	Posterior malleolus.
PP	Proximal phalanx.
PQ	Peroneus quadratus.
PR	Peroneal retinaculum.
PT	Peroneus tertius.
PTAF	Posterior talofibular ligament.
PTBF	Posterior tibiofibular ligament.
PTFL	Posterior talofibular ligament.
QP	Quadratus plantae.
SER	Superior extensor retinaculum.
SPR	Superior peroneal retinaculum.
ST	Sustentaculum tali.
T	Talus.
TA	Tibialis anterior.
TIB	Tibia.
TP	Tibialis posterior.
US	Ultrasound.

ABSTRACT

The purpose of this study is to show that high resolution ultrasonography has a growing and useful role as a diagnostic tool in the evaluation and assessment of ankle and foot injuries. A total of twenty cases with ankle or foot injuries were involved. In all cases, high resolution ultrasonography and MRI were performed. The study showed that high resolution ultrasonography had a high sensitivity and specificity (compared to MRI) in detecting ligament and tendon injuries of the ankle and foot.

Key words: Ultrasonography, Ankle injuries, Musculoskeletal system.