



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**HANAA ALY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغييرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**HANAA ALY**



# **Comparison between Total Contact Custom-Made Insole versus Over the Counter Insole in Rehabilitation of Rheumatoid Arthritis Patients**

Thesis

*Submitted for Partial Fulfillment of Master Degree  
in Physical Medicine, Rheumatology and Rehabilitation*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# قَالَ

لَسْبِحَانَكَ لَا مَعْلَمَ لَنَا  
إِلَّا مَا مَعْلَمْتَنَا إِنَّكَ أَنْتَ  
الْعَلِيمُ الْعَظِيمُ

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# List of Abbreviations

Abb.	Full term
ACR	American College of Rheumatology
AP	Anteroposterior view
ATA	Anterior transverse arch
ATaF ligament	Anterior talofibular ligament
ATiF ligament	Anterior tibiofibular ligament
ATT ligament	Anterior tibiotalar ligament
BMI	Body mass index
CC	Calcaneocuboid joint.
CF ligament	Calcaneofibular ligament
CM	Custom made
CoF	Center of force
CP angle	Calcaneal pitch angle
DAS28	Disease Activity Score DAS-28
DIPJ	Distal interphalangeal joint
DMARDs	Disease-modifying antirheumatic drugs
DPPP	Dynamic peak plantar pressure
ESR	Erythrocyte sedimentation rate
EULAR	European League Against Rheumatism
EVA	Ethylene-Vinyl Acetate
FFI	Foot function index
FO	Foot orthoses
GRF	Ground Reaction Force
HV	Hallux valgus
IOM	Interosseous membrane
IP	Interphalangeal
kPa	Kilopascal
LEFS	Lower Extremity Functional Scale
LILT	Low Intensity Laser Therapy
LLA	Lateral longitudinal arch
MLA	Medial longitudinal arch
MTPJ	Metatarsophalangeal joints
NSAIDs	Non-steroidal anti-inflammatory drugs

# List of Abbreviations *cont...*

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Abb.	Full term
<i>OTC</i> .....	<i>Over the counter</i>
<i>Pe</i> .....	<i>Polyethylene</i>
<i>PIP</i> .....	<i>Proximal interphalangeal</i>
<i>POP</i> .....	<i>Plaster of Paris</i>
<i>PPA</i> .....	<i>Planter pressure assessment</i>
<i>PTaF</i> .....	<i>Posterior talofibular</i>
<i>PTT</i> .....	<i>Posterior tibiotalar</i>
<i>RA</i> .....	<i>Rheumatoid arthritis</i>
<i>ROM</i> .....	<i>Range of motion</i>
<i>SPPP</i> .....	<i>Static peak plantar pressure</i>
<i>TCI</i> .....	<i>Total contact insole</i>
<i>TiN</i> .....	<i>Tibionavicular</i>
<i>TMT</i> .....	<i>Tarsometatarsal</i>
<i>VAS</i> .....	<i>Visual analog scale</i>