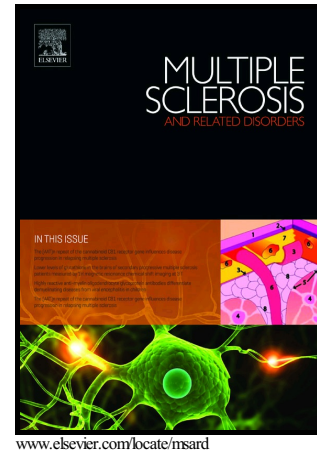


Author's Accepted Manuscript

Investigating the Dynamic Plantar Pressure Distribution and Loading Pattern in Subjects with Multiple Sclerosis

Hilal Keklicek, Baris Cetin, Yeliz Salci, Ayla Fil Balkan, Umut Altinkaynak, Kadriye Armutlu



PII: S2211-0348(18)30034-8
DOI: <https://doi.org/10.1016/j.msard.2018.01.023>
Reference: MSARD756

To appear in: *Multiple Sclerosis and Related Disorders*

Received date: 11 October 2017
Revised date: 12 January 2018
Accepted date: 24 January 2018

Cite this article as: Hilal Keklicek, Baris Cetin, Yeliz Salci, Ayla Fil Balkan, Umut Altinkaynak and Kadriye Armutlu, Investigating the Dynamic Plantar Pressure Distribution and Loading Pattern in Subjects with Multiple Sclerosis, *Multiple Sclerosis and Related Disorders*, <https://doi.org/10.1016/j.msard.2018.01.023>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Investigating the Dynamic Plantar Pressure Distribution and Loading Pattern in Subjects with Multiple Sclerosis

Hilal Keklicek^{a1}, Baris Cetin^b, Yeliz Salci^b, Ayla Fil Balkan^b, Umut Altinkaynak^c, Kadriye Armutlu^a

^atrakya university, faculty of health sciences, department of physiotherapy and rehabilitation, edirne, republic of turkey

^bhacettepe university, faculty of health sciences, department of physiotherapy and rehabilitation, ankara, republic of turkey

^cgercek prosthetics and orthotics research and development group, ankara, republic of turkey

hhotaman23@gmail.com

baris1143@gmail.com

fztyeliz@hotmail.com

aylafil@gmail.com

umutaltinkaynak@gmail.com

kadriyearchmutlu@yahoo.com

*Corresponding author. 00902842133042

Abstract:

Background:

Multiple sclerosis (MS) is a complex disorder affecting subjects by multiple system impairments. Gait problems are common in subjects with MS and various factors such as; ataxia, hypertonic muscles or/and seconder musculoskeletal system deformities affect the normal plantigrade contact by disturbing accommodation of foot to the ground while walking. The aim of this study was investigating the dynamic plantar pressure distribution and time of maximum pressure in subjects with MS and determining the differences from healthy subjects (HS).

Download English Version:

<https://daneshyari.com/en/article/8647523>

Download Persian Version:

<https://daneshyari.com/article/8647523>

[Daneshyari.com](https://daneshyari.com)