

# **Maha Tayseer Mohammad**

## **Ph.D., P.T.**

### **Employment**

Associate professor, Department of Physiotherapy, School of Rehabilitation Sciences, The University of Jordan (2019 – present).

Assistant professor, Department of Physiotherapy, School of Rehabilitation Sciences, The University of Jordan (2011 – 2019).

Research Assistant, Department of Otolaryngology, Eye and Ear Institute, University of Pittsburgh (2006 – 2011).

Teaching Assistant, Department of Physical Therapy, Faculty of Rehabilitation Sciences, The University of Jordan (2003 – 2005).

### **Administrative Positions**

Head of Physiotherapy Department, School of Rehabilitation Sciences, The University of Jordan (2020/2021 – 2021/2022) and (2016/2017 – 2017/2018).

### **Education**

Ph.D., School of Health and Rehabilitation Sciences, University of Pittsburgh, 2011, Dissertation title: Gaze stabilization test: reliability, response stability, performance of healthy subjects and patients with concussion.

M.Sc., School of Health and Rehabilitation Sciences, University of Pittsburgh, 2006 (GPA: 4.0).

B.Sc. in Physiotherapy, Faculty of Rehabilitation Sciences, University of Jordan, 2003 (GPA: 3.86).

### **Publications – Book Chapters**

Physiotherapy Education during COVID-19: A Jordanian Experience, Qutishat D. and Mohammad M.  
Book chapter in the book: Cases on Global Innovative Practices for Reforming Education. 2022.

## **Publications – Peer-Reviewed Articles**

Factors Associated with Physical Activity in Jordanian Older People, Muhaidat J, Al-Khlaifat L, Al-Yahya E, **Mohammad MT**, Okasheh R, Qutishat D, Dawes H. *Activities, Adaptation & Aging*. 2022; 1-18.

Dual-tasking in older women: physical activity or else? Muhaidat J, Al-Yahya E, **Mohammad MT**, Qutishat D, Okasheh R, Al-Khlaifat L, Lawrie S, Esser P, Dawes H. *Journal of Women & Aging*. 2022; 34 (1), 101-111.

Perceptions and performance of exercise in people with knee osteoarthritis in the Middle East: are they different to countries in the developed world? A qualitative study in Jordan. Al-Khlaifat L, Okasheh R, Muhaidat J, Hawamdeh Z, Qutishat D, Al-Yahya E, Al-Ajlouni J, **Mohammad MT**. *Physiotherapy Theory and Practice*. 2022; 38 (1), 55-66.

Applied anatomy knowledge in gynaecology and obstetrics: the trainees' perception, Asali F, Mahfouz IA, Saleem HA, Mahfouz SA, **Mohammad MT**, Al-Kuran O. *Gynecological Surgery*. 2021; 18 (1), 1-8.

Trainee's surgical anatomy knowledge in gynecology: A specialists' perspective, Mahfouz IA, Asali F, Saleem HA, **Mohammad MT**, Al-Mhaisen L, Mahfouz SA, Badran D. *BJOG-An International Journal of Obstetrics and Gynaecology*. 2021; 128, 216-216.

The application of the international classification of functioning, disability and health as a framework in clinical reasoning; educators' and graduates' perspectives: a qualitative study, Qutishat D, Al-Yahya E, **Mohammad MT**, Muhaidat J, Al-Khlaifat L, Okasheh R. *Physical Therapy Reviews*. 2021; 26 (1), 34-41.

Dual-tasking in older women: physical activity or else? Muhaidat J, Al-Yahya E, **Mohammad MT**, Qutishat D, Okasheh R, Al-Khlaifat L, Lawrie S, Esser P, Dawes H. *Journal of Women & Aging*. 2020; 1-11.

Knowledge of Knee Osteoarthritis and Its Impact on Health in the Middle East: Are They Different to Countries in the Developed World? A Qualitative Study, Al-Khlaifat L, Okasheh R, Muhaidat J, Hawamdeh ZM, Qutishat D, Al-Yahya E, Al-Ajlouni JM, **Mohammad MT**. *Rehabilitation research and practice*. 2020.

Perceptions and performance of exercise in people with knee osteoarthritis in the Middle East: are they different to countries in the developed world? A qualitative study in Jordan, Al-Khlaifat L, Okasheh R, Muhaidat K, Hawamdeh ZM, Qutishat D, Al-Yahya E, Al-Ajlouni JM, **Mohammad MT**. *Physiotherapy theory and practice*. 2020; 1-12.

Exploring attitudes of physiotherapy students towards a community-based project used as a learning tool, Qutishat D, Muhaidat J, **Mohammad MT**, Okasheh R, Al-Khlaifat L, Al-Yahya E. *Physiother. Theory Pract*. 2019 May.

Functional balance and gait characteristics in men with lower urinary tract symptoms secondary to benign prostatic hyperplasia. Al-Yahya E, **Mohammad M**, Muhaidat J, Al Demour S, Qutishat D, Al-Khlaifat L, Okasheh R, Lawrie S, Lawrie S, Esser P, Dawes H. *Am. J. Men's Health*. 2019 May – June;13(3).

Translation and psychometric properties of the Arabic version of Michigan Neuropathy Screening Instrument in type 2 diabetes, **Mohammad MT**, Muhaidat J, Momani M, Al-Khlaifat L, Okasheh R, Qutishat D, Al-Yahya E. *J Diab Res*. 2019 Mar.

Foreign body aspiration in children: A study of children who lived or died following aspiration. **Mohammad M**, Saleem M, Mahseeri M, Alabdallat I, Alomari A, Za'atreh A, Qudaisat I, Shudifat A, Nasri Alzoubi M. *Int J Pediatr Otorhinolaryngol*. 2017 Jul; 98:29-31.

The effect of optotype size and velocity parameters on the performance of healthy young adult subjects on the gaze stabilization test. **Mohammad MT**, Furman JM, Sparto PJ, Marchetti GF, Whitney SL. *Otol Neurotol*. 2013 Aug;34(6):1090-5.

The reliability and response stability of dynamic testing of the vestibulo-ocular reflex in patients with vestibular disease. **Mohammad MT**, Whitney SL, Marchetti GF, Sparto PJ, Ward BK, Furman JM. *J Vestib Res*. 2011; 21(5):277-88.

The reliability, stability, and concurrent validity of a test of gaze stabilization. Ward BK, **Mohammad MT**, Whitney SL, Marchetti GF, Furman JM. *J Vestib Res*. 2010; 20(5):363-72.

Perceptual and motor inhibition in individuals with vestibular disorders. **Mohammad MT**, Whitney SL, Sparto PJ, Jennings JR, Furman JM. J Neurol Phys Ther. 2010 Jun; 34(2):76-81.

Physical performance and a test of gaze stabilization in older adults. Ward BK, **Mohammed MT**, Brach JS, Studenski SA, Whitney SL, Furman JM. Otol Neurotol. 2010 Jan; 31(1):168-72.

## **Research Projects and Interests**

Development and validation of simple gait analysis protocol to detect neurophathy-related changes in patients with diabetes mellitus.

Examining gait characteristics and fear of falling in patients with chronic urological diseases.

Prevalence and contributing factors to falls and injurious falls among community-dwelling older adults living in Jordan.

Patients' awareness of knee osteoarthritis and its impact on health using the International Classification of Functioning, Disability and Health framework.

Neural correlates of cognitive-motor interference while performing upper extremity tasks in patients with stroke.

Gait-related dual task changes in adults with low vision.

Teaching clinical reasoning for physiotherapy students using the International Classification of Functioning, disability and health (ICF) as a framework.

## **Master Theses External Examiner**

Translation and Psychometric Properties of the Arabic Version of the Neck Pain and Disability Scale, The University of Jordan, May 2023.

Burnout, Physical Activity, and Quality of Life Among Jordanian Physiotherapists, The University of Jordan, May 2023.

Burnout Among Healthcare Professionals Working in Long Term Care Settings, The University of Jordan, April 2022.

The Quality of Sleep in People with Vestibular Disorders and its Correlates, The University of Jordan, August 2021.

The Quality of Life of Women with Urinary Incontinence in Jordan, The University of Jordan, August 2021.

The Level of Physical Fitness in Physiotherapists and its Correlation with Musculoskeletal Injuries, The University of Jordan, August 2021.

The effect of Frenkel Exercises Combined with Weights on Balance in People with Multiple Sclerosis: a Randomized Control Trial, The University of Jordan, August 2021.

Differences on Musculoskeletal Pain between Office and Home Computer Users during COVID-19, The University of Jordan, May 2021.

Effect of Training in Scanning and Face Recognition Skills in Children with Low Vision, German Jordan University, Jan 2017.

The Impact of Eccentric Viewing Training on the Visual Functions and on the Quality of Life for Children with Progressive Retinal Dystrophies, German Jordan University, Nov 2016.

The Relationship between Physical Activity and Cognitive Function and BDNF Concentration in People with Parkinson Disease, Jordan University of Science and Technology, Sept 2015.

### **Conference Presentations and Posters**

Sixth Annual Scientific Day at Faculty of Rehabilitations Sciences, The University of Jordan, 2011, Jordan. The Reliability of Tests of Gaze Stability.

Combined Section Meeting, 2011, USA. The effect of optotype parameters on the performance of healthy young subjects on the gaze stabilization test.

Combined Section Meeting, 2010, USA. Subjective Visual Vertical after Vestibular Physical Therapy Intervention.

Association for Research in Otolaryngology, 2010, USA. Perceptual and motor inhibition in patients with vestibular disorders.

Combined Section Meeting, 2009, USA. Improvement of gaze stabilization scores in patients with vestibular disorders following vestibular physical therapy using a virtual reality grocery store.

Association for Research in Otolaryngology, 2009, USA. The reliability and stability of dynamic testing of the vestibulo-ocular reflex in patients with vestibular disease.

### **Attended Conferences**

The First Eastern Mediterranean Summit on Tobacco Dependence Treatment, 5-6/11/2017.

First Scientific Day for Allied Health Professions at the Royal Medical Services, 10/5/2015, Session Moderator.

Seventh International Conference of the Royal Medical Services, 4-7/11/2014.

Seventh International Conference of the Royal Medical Services, 4-7/11/2014, Better Spinal Cord Injury Management for Better Society, Preconference Course.

## **Continuing Education**

Provisions of Wheelchairs, International Society of Prosthetists and Orthotists and International Society of Wheelchair Professionals, 2023 (online webinar).

Ethical and Regulatory Aspects of Clinical Research, National Institute of Health, 2022 (online course).

ProGRANT – Proposal Writing for Research Grants Jordan/ Lebanon – Training offered through German Academic Exchange Service (DAAD) in Beirut/ Lebanon, 2019.

Wheelchair Service Provision–Basic Level, International Society of Wheelchair Professionals, 2017.

Medical Neuroscience, Duke University, 2017 (online course).

Learning How to Learn, University of California, San Diego, 2017 (online course).

Curriculum and Skill Development in Vision Rehabilitation – Tempus Project, Netherlands, 2016.

Better Spinal Cord Injury Management for Better Society, International Spinal Cord Society and Royal Medical Services, 2014.

Writing in the Sciences, Stanford University, 2014 (online course).

Statistics in Medicine course, Stanford University, 2014 (online course).

Vestibular Rehabilitation: And Advanced Course and Update, University of Pittsburgh, 2011.

## **Taught Workshops**

Evidence-Based Practice, Jordan Physiotherapy Society, 2016.

Rehabilitation of Patients with Neurological Disorders, Center of Consultation and Training, Jordan University, 2013.

## **Attended Workshops at the University of Jordan**

ورشة عمل التعلم الإلكتروني والمدمج لصيف 2022، 5 – 2022/7/7

مهارات الإدارة والقيادة – Management & Leadership Skills، 2022/4/21

مهارات الاتصال الفعال – Effective communication skills، 2022/4/14

الخطة التنفيذية للجامعة الأردنية وكيفية إعدادها، 2022/1/25

توظيف إعداد وإجراء الاختبارات الرقمية عن بعد باستخدام تطبيق Microsoft Forms، 2020/5/10

توظيف تطبيق Microsoft Teams في تسهيل التعلم عن بعد، 2020/4/23

إجراء الاختبارات القصيرة من خلال نظام Moodle – How to make quizzes using Moodle، 2020/4/20

المودل خيارك لتحسين التعلم، 2018/8/8

تطبيق أساليب التعليم الحديثة واستخدام البوابة التعليمية MethodX نحو تحسين التعليم والتعلم، 2018/4/4

استخدام المنصات الرقمية في التدريس، 2018/4/3

تقييم تعلم الطلبة بغير الاختبارات (تقييم الأداء)، 2017/3/9

Taylor and Francis Research Seminar, 29/2/2016

التعليم الإلكتروني في الجامعة الأردنية، 2016/11/22

كيفية إعداد تقرير الدراسة الذاتية للحصول على شهادة ضمان الجودة، 2016/11/6

الورشات التعليمية لتطوير أعضاء هيئة التدريس، 2012، 9/17 – 8/26

## **Taught Courses**

### **Master of Science Courses:**

Neuroscience and Motor Control, 2019 – present

Research Methods, 2022 – present

Applied Biostatistics, 2021 – present

Advanced Neuromuscular Physiotherapy Practice, 2022 – present

Sport-Related Injuries III, 2022 – present

### **Bachelor of Science Courses:**

Neuromuscular Physiotherapy I, third-year level, 2011 – present

Neuromuscular Physiotherapy II, third-year level, 2011 – present

Clinical Training in Physiotherapy I, fourth-year level, 2016 – present

Clinical Training in Physiotherapy II, fourth-year level, 2016 – present

Neuroscience, second-year level, 2018 – present

Research Methods in Rehabilitation Sciences, third- and fourth-year level, 2011 – 2016

Biostatistics for Rehabilitation Students, third-year level, 2013 – present

Biomechanics, co-teacher, second-year level, 2014

Clinical Physiotherapy for Neuromuscular Disorders, fourth-year level, 2011 – 2015

Physiotherapy for Psychiatric Disorders, co-teacher, fourth-year level, 2011 – 2015

Learning and Research Skills, University requirement, 2019 – 2020

Occupational Therapy Approaches, third-year level, 2012 – 2013

## **Membership**

Member of the Local Advisory Council for the Center of Victims of Torture – Amman, 2023 – present.

## **Guest Lectures**

Assessment of Diabetic Foot, Department of Prosthetics and Orthotics, The University of Jordan 2023.

Physical Activity for Children, Sunflower Center, 2022 (online lecture).

Physiotherapy Management for Neurological Disorder and Physiotherapy at The University of Jordan, 2019, University of Debrecen – Hungary as part of ERASMUS+ International Credit Mobility program.

Vestibular System Control of Eye Movements, German Jordan University, 2015.

Spinal Cord Anatomy and Review of Spinal Cord Conditions, Faculty of Educational Sciences, The University of Jordan, 2015.

Rehabilitation of Spinal Cord Injuries, Islamic University, Gaza, 2014 (online lecture).

A Multidisciplinary Approach in Dentistry: Overview of Research Process, Ministry of Health, 2012.

## **Extracurricular Interests and Activities**

Interest in spreading knowledge of scientific research, member of committee which developed Learning and Research Skills course which was added to undergraduate University requirements at The University of Jordan in Sept, 2017. Role involving development of course material and modification to fit blended learning model.

Avid antismoking activist, Vice President of Antismoking Alliance of Jordanian Universities and Smoke Free Jordan, local work at the University leading to launching School of Rehabilitation Sciences as the first smoke-free building at The University of Jordan.

Avid recycling activist, following up on paper recycle at School of Rehabilitation Sciences on regular basis and member of Council of Green Campus at The University of Jordan.