

# Mohamed Medhat Helal

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Military Status: Completed

## Education

- Doctor of Philosophy (Ph.D.), Basic Science Department,** Faculty of physical therapy, Cairo University. **2024-present**
- Master's degree (MSc.), Basic Science Department,** Faculty of physical therapy, Cairo University. **2021-2024**
- **GPA: 3.13 / 4 (Very Good with Honor).**
  - **Thesis Title:** The influence of virtual reality approach on phantom pain in trans-tibial amputation: A randomized control trail.
- Nutrition diploma,** Blended Learning Center, Cairo university. **2021**
- Bachelor's degree, physical therapy collage,** Misr University for Science and Technology (MUST). **2018**
- **GPA: 3.7 / 4 (Excellent with Honor).**

## Work Experience

- Assistant Lecturer, Prosthetics and Orthotics technological program,** New Cairo Technological University (NCTU). **2024-Present**
- Teach Evaluation, Gait analysis, Biomechanics and Spinal deformities.
  - Lead quality assurance team of 10 members.
  - Responsible for collaborative project between NCTU and Human Study for ISPO accreditation.
  - Responsible for collaborative project between NCTU and Unified Procurement Authority (UPA) and Otto bock company.
  - Guide Graduation Project Teams.
  - Supervise Student's Clinical Training in Hospitals.
  - Manage the relation between students and patients.
- Employer Relation Officer, University Center for Career Development (UCCD),** New Cairo Technological University (NCTU). **2023-Present**
- Facilitate Soft Skills Workshops for Students. (Resume writing, Interviewing skills, Job search, Career Planning, Entrepreneurship and Employability skills)
  - Organize Internships, Information sessions and Job Fairs for Students.
  - Sign MoU with Private Companies.
- Teaching Assistant, Prosthetics and Orthotics technological program,** New Cairo Technological University (NCTU). **2022-2024**
- Taught Gait analysis, Biomechanics and Spinal deformities.
  - Led quality assurance team of 5 members.

<b>Neurological Physiotherapist, Taheel Centre for Rehabilitation.</b> <ul style="list-style-type: none"> <li>Handled with Neuromuscular disorder patients, ICU patients and after Strokes.</li> <li>Strengthened muscles and improved their range of motion.</li> <li>Implemented the treatment plan by providing the patient with manual therapy and exercise instruction.</li> <li>Instructed the patient on how to use a walker to safely get around their home.</li> </ul>	<b>2022-2023</b>
<b>Orthopedic Physiotherapist, Rehabilitation Physio care Centre.</b> <ul style="list-style-type: none"> <li>Rehabilitated Orthopedic disorders patient, Sports Injuries and before and after surges.</li> <li>Guided the patient through a series of stretches designed to improve their flexibility.</li> </ul>	<b>2022-2023</b>
<b>General Physiotherapist, The Egyptian Ministry of Health and Population.</b> <ul style="list-style-type: none"> <li>Facilitated Neuromuscular disorder patients, ICU patients and Strokes.</li> <li>Rehabilitated Orthopedic disorders patient, Sports Injuries and before and after surges.</li> </ul>	<b>2020-2022</b>
<b>Orthopedic Physical Therapist, Al-Arish Military Hospital.</b> <ul style="list-style-type: none"> <li>Rehabilitated Orthopedic disorders patient, Sports Injuries and before and after surges.</li> </ul>	<b>2020-2021</b>
<b>Teaching Assistant, Department of Basic Science, Physical Therapy Collage, Misr University for Science and Technology (MUST).</b> <ul style="list-style-type: none"> <li>Taught evaluation of disorders, Therapeutic technique in treatment, Electrotherapy and Hydrotherapy.</li> </ul>	<b>2019-2020</b>
<b>Orthopedic Physical Therapist, Dr/Karim saafan physical therapy center.</b> <ul style="list-style-type: none"> <li>Rehabilitated Orthopedic disorders patient, Sports Injuries and before and after surges.</li> </ul>	<b>2019-2020</b>

## Projects

<b>Supervise students' graduation projects.</b> <ul style="list-style-type: none"> <li>Adjustable Scoliosis Brace.</li> </ul>	<b>2024-2025</b>
<b>Supervise students' graduation projects.</b> <ul style="list-style-type: none"> <li>The Influence of Augmented Reality Approach on Rehabilitation of Amputee Patient.</li> <li>Myoelectric wrist hand orthosis.</li> </ul>	<b>2023-2024</b>

## Publications

1-Elgendy, M. H., Helal, M. M., & Habib, A. A. (2024). The influence of virtual reality approach on phantom pain in trans-tibial amputation: A randomized control trail. *International Journal of Health Sciences*, 8(S1), 436–457.

<https://sciencescholar.us/journal/index.php/ijhs/article/view/14796>

## Skills

### - Courses

**Entrepreneurship Training of Facilitator (ETOF)**, Venture Labe (V Lab), American University in Cairo (AUC). **2024**

**Employability Skills (EST-TOT)**, Aspire Consulting International, hosted by American University in Cairo (AUC). **2024**

**FOUNDATIONS be in MARKET MAPPING and PARTNERSHIP BUILDING**, inspire 360 solutions, hosted by American University in Cairo (AUC). **2024**

**Certified Professional Trainer (CPT)**, American Chamber of Commerce in Egypt. **2024**

**Disability Equality Training**, Helm Academy. **2024**

**Event Management Training**, American University in Cairo (AUC). **2023**

### - Events

**The 1<sup>st</sup> annual conference for Orthotics and Prosthetics**, New Cairo Technological University. **2024**

- Organized The Event.
- Delivered a Talk.

**Digital Transformation in Higher Education**, American University in Cairo (AUC). **2024**

**Career Centers from Inception to Maturity**, American University in Cairo (AUC). **2024**

**Updates In Orthotics and Prosthetics**, Agouza Armed forces Rehabilitation Center. **2023**

**Labor Market Information**, American University in Cairo (AUC). **2023**

### - Languages

- Arabic First Language.
- English (Very Good), (IELTS Certificating Level B2).

### - Computer

- ICDL Certificating.
- Fundamentals of Digital Transformation Certificate.