

CURRICULUM VITAE

Personal information:

Name: Ziad Mohammad Hawamdeh

Academic degree: Full Professor

Gender: Male.

Date of birth: 21.5.1972

Nationality: Jordanian

Language: Fluent English, Fluent Italian.

Mother Tongue: Arabic

Marital Status: Married, 3 children.

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Qualifications:

- European Board in Physical Medicine and Rehabilitation 2 / 2005
- Jordanian Board in Physical Medicine and Rehabilitation 3/2004
- Specialization Diploma in Physical Medicine and Rehabilitation, University of Florence-Italy 2003.

- ECFMG Certificate 1997- valid indefinitely.
- USMLE (united states medical license examination) step 2: 1996 score: 81, USMLE step 1: 1997 score 83, TOEFL 1997 score 573
- M.B.B.S: (Bachelor Degree in Medicine and Surgery) University of Jordan- Amman 1996 with an average of 2.94.
- General secondary school certificate (Tawjihi) 1990 with an average of 95.4.

Academic Posts:

- **Dean Faculty of Rehabilitation Sciences – The University of Jordan 6/9/2015- Now.**
- **Full Professor of Physical Medicine and Rehabilitation- Faculty of Medicine- 15/4/2013**
- **Senior consultant- Physical Medicine and Rehabilitation- Jordan university hospital 4/2013- now**
- **Consultant- Physical Medicine and Rehabilitation- Jordan university hospital 4/2004- 4/2013**
- **Acting Dean Faculty of Rehabilitation Sciences 9/2010-9/2013.**
- **Head of Rehabilitation Medicine Department- Jordan University hospital 9/2008- Now.**
- **Visiting professor of physical medicine and Rehabilitation – University of Rome-Torvergata.**
- **Board member of Phd program (advanced technology of rehabilitation Medicine)- university of torvergata-Rome**
- **Vice Dean Faculty of Rehabilitation Sciences 9/2006- 9/2010**
- **Head department of Orthotics and Prosthetics – Faculty of Rehabilitation Sciences 9/2006-9/2012 .**
- **Head department of physiotherapy – Faculty of Rehabilitation sciences 9/2004-9/2006.**

- **Assistant Dean Faculty of Rehabilitation Sciences 9/2004- 9/2006.**
- **Associate Professor in Physical Medicine and Rehabilitation since 12/04/2009. Faculty of Medicine and Faculty of Rehabilitation Sciences.**
- **Assistant Professor of Physical Medicine and Rehabilitation – Faculty of Rehabilitation sciences- University of Jordan. 4/2004 – 10/2008.**
- **Assistant Professor of Physical Medicine and Rehabilitation- Faculty of Medicine – University of Jordan 5/2004 – 10/2008.**
- **Lecturer (Department of Physical Therapy Faculty of Rehabilitation Sciences). 1/2004-4/2004.**

Experiences:

- Internship: Jarash governmental hospital 1996-1997.
- Resident in internal medicine department in Al-bashir hospital (Amman) from 1.1998 till 19.12.1999.
- Resident in Physical Medicine and Rehabilitation. University of Florence- Italy from 1999- 2003.
- Good experience in electromyography and evoked potentials.

Memberships and committees:

- Member of the International Society of Physical and Rehabilitation Medicine (ISPMR)
- Member of the European Society of Physical and Rehabilitation Medicine (ESPRM).
- Member of the International society of Prosthetics and Orthotics (ISPO).
- Member of Mediterranean Forum of Physical and Rehabilitation Medicine.

- Head of the committee of conferences and scientific activities – Faculty of Rehabilitation Sciences (9/2006 – 2010).
- Head of the committee of higher studies – Faculty of Rehabilitation Sciences (9/2006 – 2010)
- Head of the committee of scientific research – Faculty of Rehabilitation Sciences (9/2006 – 9/2010)
- Head of the committee for equipments and instruments – Faculty of Rehabilitation Sciences (9/2006 –9/2010).
- President of Scientific Committee – Jordanian society of Physical Medicine and Rehabilitation.
- Member of Jordanian Society of Physical Medicine and Rehabilitation.
- Member of Jordanian Medical society of Osteoporosis.
- National program coordinator for the agreement of strengthening of the Faculty of Rehabilitation Sciences between the University of Jordan and Italian Ministry of Foreign affairs (2007 – Now).
- Administrative Member of Jordanian Society of Physical and Rehabilitation Medicine. (Head of Scientific committee).
- Administrative Member of Jordanian anti doping organization (JADO) since 2009.
- Head of Patient and family education chapter for Joint commission international association (JCIA) and Health care accreditation council (HCAC) for hospital accreditation at Jordan university hospital since 2009-now.
- Member of higher education committee for certificate Equivalence: Ministry of Higher Education since 2009.
- Examiner for Jordanian Board of Physical Medicine and Rehabilitation – Jordan Medical council since 2009.
- Head of scientific committee for the 6th Jordanian and 8th pan Arab congress of Physical Medicine and Rehabilitation. Amman 2014.

Publications:

In Journals:

1. Alaa I.Ibrahim, **Ziad M.Hawamdeh** (2006). Neuromuscular Electrical Stimulation versus Progressive Resistive Exercise for Improving Wrist Extension in Cerebral Palsied Children. Bull. Fac. Ph. Th. 11(1): 185-195.
2. A.I.Ibrahim, **Z.M.Hawamdeh**, A. AL-Qudah (2007). Functional Outcome of Botulinum Toxin Injection of Gastrocnemius and Adductors in Spastic Hemiplegic Cerebral Palsied Children. Europa Medico physica 43(1):13-20.
3. A.I.Ibrahim, **Z.M.Hawamdeh** (2007) Evaluation of Physical Growth in Cerebral Palsied Children and Its Possible Relationship with Gross Motor Development. International Journal of Rehabilitation Research 30 (1): 47-54.
4. **Z.M.hawamdeh**, A.I.Ibrahim, A. AL-Qudah (2007). Long Term Effect of Botulinum Toxin (A) In the Management of Calf Spasticity in Children with Diplegic Cerebral Palsy. Europa Medico Physica, 43(3): 311-318.
5. A.I.Ibrahim, **Z.M.Hawamdeh**, J.T.Al-Smadi and B.A.Ammari (2008). Prevalence of Overweight and Obesity in Urban and Semiurban Jordanian Children Aged 3-6 Years Children Care, Health, and Development.34 (4):464-469.
6. Isaam S. Jalham, **Ziad Hawamdeh**, Bassam A.Ammari. Rapid Prototyping for Rehabilitation Purposes.Jordan Medical Journal.42 (2):73-81.
7. **Ziad Hawamdeh**, Yasmin S. Othman, Alaa I.Ibrahim. Assessment of Anxiety and Depression after Lower Limb Amputation in Jordanian patients. NeuroPsychiatric Diseases and Treatment (Accepted for Publication April 2008).
8. **Z.M.Hawamdeh**, A.I.Ibrahim. Physical growth and Nutritional status of Jordanian preschool-aged children – Accepted for Publication 25/6/2008 Minerva pediatrica- Edizione Minerva Medica-Turin- Italy.
9. A survey of complex regional pain syndrome in Jordanian patients Abdelkarim S Al Oweidi, Mahmoud M Al-mustafa, Shaher T El-Hadidi, Khaled R Alzaben, Sami A Abu-Halaweh, Jihad M Al-Ajlouni, Mahmoud Ababneh, Yousef Sarhan, **Ziad M Hawamdeh** and Akram O Shannak.
10. Traumatic brain injury in the Gaza Strip: adults and children and their caregiver disability burden. **Hawamdeh ZM**, Ibrahim AI, Mezher AA. Eur J Phys Rehabil Med. 2011 Jun; 47(2):193-201. Epub 2010 Dec 9.

11. Evaluation of bone mineral density in children with perinatal brachial plexus palsy: effectiveness of weight bearing and traditional exercises. Ibrahim AI, Hawamdeh ZM, Alsharif AA. Bone. 2011 Sep; 49(3):499-505. Epub 2011 May
Related citations
12. Biomechanical and electromyographic assessment of spastic hypertonus in motor complete traumatic spinal cord-injured individuals. Grippo A, Carrai R, Hawamdeh Z, Falsini C, Aito S, Pinto F, de Scisciolo G, Pizzi A. Spinal Cord. 2011 Jan; 49(1):142-8. Epub 2010 Jun 8.
13. Thyroid hormones levels in Jordanian athletes participating in aerobic and anaerobic activities, Z. Hawamdeh , A. Baniata, K. Mansi, H. Nasr and T. Aburjai, Scientific research and essays 2012 May; 7(19):1840-1845.
14. Development of a decision support system to predict physicians' rehabilitation protocols for patients with knee osteoarthritis. Hawamdeh ZM, Alshraideh MA, Al-Ajlouni JM, Salah IK, Holm MB, Otom AH .Int J Rehabil Res. 2012 Sep;35(3):214-9.
15. Evaluation of isometric muscle strength and magnitude of hand dominance in right-handed school-age boys. Ibrahim AI, Abdelsalam MS, Muaidi QI, Hawamdeh ZM. Int J Rehabil Res. 2012 Oct 10.
16. Is there a correlation between symptoms and bone scintigraphic findings in patients with complex regional pain syndrome? AlSharif A, Akel AY, Sheikh-Ali RF, Juweid ME, Hawamdeh ZM, Ajlouni JM, Abdulsahib AS, AlHadidi FA, ElHadidy ST. Ann Nucl Med. 2012 Oct;26(8):665-9.
17. Personal Factors Affecting the Daily Functioning and Well-Being of Patients with Multiple Sclerosis Using the ICF Model: A Qualitative Study. Razan Hamed, Hashem Abu Tariah, Ziad Hawamdeh, Int J Mental Health. 2012. 41(3).
18. Evaluation the functional status of the liver in elite Jordanian athletes. Ziad Ermili, Kamal Mansi, Talal Aburjai, Ahmad Bani Ata, Ziad M. Hawamdeh. Medicina Sportiva (2012), vol VIII, no 2, 1819 - 1822 Romanian Sports Medicine Society.
19. Effectiveness of foot wedge and carrying weighted bag on loading the paretic lower limb in children with hemiparetic cerebral palsy. Alaa I. Ibrahim, Adel A. Alhusaini, Fatma A. Hegazy, and Ziad M. Hawamdeh.. NeuroRehabilitation. 2013 Jan 1;32(3):563-71.
20. The influence of aging on the association between adiposity and bone mineral density in Jordanian postmenopausal women. Z.M.Hawamdeh, Sheikh-Ali, R.F., Alsharif, A., Otom, A.H., Ibrahim, A.I., Alhadidi, F.A., Samarah, O.Q., Dheirat,

- I.N., and Juweid, M.E, Journal of clinical densitometry 2014 Jan-Mar;17(1):143-9.
21. The Clinical Pattern of Knee Osteoarthritis in Jordan: A hospital based study. International Journal of Medical Sciences. Z.M. Hawamdeh, Jehad M. Al-ajlouni Int J Med Sci. 2013; 10(6): 790–795.
 22. Association of postural balance and isometric muscle strength in early-and middle-school-age boys. Ibrahim AI, Muaidi QI, Abdelsalam MS, Hawamdeh Z.M., Alhusaini AA. Journal of Manipulative and Physiological Therapeutics .Volume 36, Issue 9 , Pages 633-643, November 2013
 23. A robotic intelligent wheelchair system based on obstacle avoidance and navigation functions. M Alshraideh, BA Mahafzah, S Al-Sharaeh, Ziad M Hawamdeh. Journal of Experimental & Theoretical Artificial Intelligence. November 2014.
 24. Hawamdeh Z, Hamed R , Al-Yaya E (2015) Environment and the Daily Functioning of Jordanian Patients with Stroke: An Exploratory Study. Int J Phys Med Rehabil 3: 288. doi:10.4172/2329-9096.1000288
 25. Comparison between the effects of Aquatic Exercises and Land Based Exercises in the Treatment of Chronic Low Back Pain, Mohannad Hawamdeh, Ziad Hawamdeh, Ziad Ermely, Islam Qaddah, Dima Abu Soud, Indian Journal of Physiotherapy and Occupational Therapy.2015 .vol.9, issue 1, 5-10

In Conferences

1. A Morelli, G. Giambalvo, Z. Hawamdeh, G. Cerchiali, G. Mangone. Physical exercise in the prevention and treatment of Osteoporosis. 4th Mediterranean Congress of Physical Medicine and Rehabilitation, Siracusa – Italy June 2002.
2. A Morelli, G.Giambalvo, Z.Hawamdeh, G.Cerchiali, G.Mangone. Pattello – femoral syndrome in sport: Utility of Hydrotherapy. 4th Mediterranean Congress of Physical Medicine and Rehabilitation, Siracusa – Italy June 2002.
3. Paolo Aglietti, A.Baldini, LM.Vena, O.Lupi, Z.Hawamdeh. Post operative recovery and early results: Meniscal bearing Knee vs Legacy PS. The

- knee Society 19th annual interim meeting. September 19-21 Pennsylvania Hospital, Philadelphia-Pennsylvania. 2002,
4. F. Del Corso, Z. Hawamdeh, R. Caramelli, V.Schiavone, M.E. Bastianelli, F. Pinto, G. De Scisciolo. Sympathetic Cutaneous Skin Reflex (SSR): The utility of the test for the evaluation of possible evolution of post-traumatic Spinal Cord injury. Description of 2 clinic cases. National congress of the Italian Society of Clinical Neurophysiology, Florence 8-10 June 2003.
 5. G. De Scisciolo, R. Caramelli, V.Schiavone, F. Del Corso, Z. Hawamdeh, M.E. Bastianelli, A. Cassardo, C. Marinelli, S. Aito. Spinal Cord Injury Neurophysiological evaluation and Neurological Outcome. 11th National Congress of SoMIPar. In association with European meeting of I.S.CO.S, Genova – Italy 21-24 May 2003.
 6. G. De Scisciolo, R. Caramelli, V.Schiavone, F. Del Corso, Z. Hawamdeh, M.E. Bastianelli, A. Cassardo, G.Lanzo. Prognostic Significance of Neurophysiological studies. CNOPUS, Pesaro-Italy 27-29 March 2003.
 7. M.Celso, A. Limarzi, Z.Hawamdeh, G.Giambalvo, G. Delpopo. The effect of functional electrical stimulation in pelvic floor the rehabilitation. XXX National congress of physical Medicine and Rehabilitation, Reggiomelia-Italy September 2002.
 8. Z. Hawamdeh, R. Carrai, F. Del Corso, A.Pizzi, A. Grippo, S. Aito, G. deScisciolo. Evaluation of spasticity in patients with Spinal Cord Injury: Biomechanical parameters and EMG. XXXI National congress of Physical Medicine and Rehabilitation, Verona – Italy 7-11 November 2003.
 9. G. de. Scisciolo, R. Caramelli, Del Corso, G. Stipa, C. Falsini, A. Pizzi, V.Schiavone, R. Caramelli, Z. Hawamdeh, G. Lanzo, M.E. Bastianelli, S. Aito, A.Grippo. Evaluation of spasticity in patients with Spinal Cord Injury: Biomechanical parameters and EMG. XII Congresso Nazionale SoMIPar. Torino 7-9 April 2005.
 10. J.T. Alsmadi, Z.Hawamdeh, M. alsoudi. Hydrotherapy for low back pain. 15th European Congress of Physical and Rehabilitation Medicine (ESPMR). May 16-20.2006. Madrid, Spain.
 11. Z.M.Hawamdeh. Prevalence and sociodemographic correlations of anxiety and depression after lower limb amputation. 16th European Congress of Physical and Rehabilitation Medicine (ESPMR). June 2-6.2008. Brugge, Belgium.

12. Z.M.Hawamdeh, A.S. Al Oweidi, M.M. Al-Mustafa (Jordan) A survey of complex regional pain syndrome in Jordanian patients. 17th European Congress of Physical and Rehabilitation Medicine (ESPMR). May 23-27th 2010, Venice –Italy.
13. Z.M.Hawamdeh. Rehabilitation after Joint Replacement. The 1st italo-Jordanian Medical Congress. Amman 12-14 October 2011.
14. Z.M.Hawamdeh. Clinical characteristics of knee O.A in Jordanian Patients, 18th European congress of Physical medicine and Rehabilitation. Greece-Thessalonik 28th may-June 1-2012.
15. Z.M.Hawamdeh, Hand and Upper Limb Function Assessment in RA. APLAR 2012, Dead Sea, Jordan 10-14 September 2012.
16. Z.M.Hawamdeh, New Trends in rehabilitation after total knee and hip replacement, 6th international conference of the royal medical services November 19-22. 2012.
17. Z.M.Hawamdeh. Rehabilitation aspects for osteoporosis. Conference of Jordanian Greece society. 12/9/2013.
18. Z.M.Hawamdeh. Rehabilitation after ACL reconstruction. The Ninth Jordan Orthopaedic Association Conference, **The Fifth Joint Orthopaedic Conference** (Iraq, Syria, Lebanon, Palestine and Jordan). **October 29 to November 1, 2013 Le Royal Hotel / Amman-Jordan**>
19. Z.Hawamdeh. shock wave therapy for treatment of plantar fasciitis. 6th Jordanian and 8th pan Arab congress of Physical medicine and rehabilitation, Amman 13-16 May 2014.
20. Z.Hawamdeh Kinesophobia in Jordanian Low back pain patients. 19th European congress of PRM, Marseille, 26-31 May 2014.
21. Z.Hawamdeh. The applications of international classification of function in Rehabilitation. 4th international congress of disability and Rehabilitation. Riyadh-Saudi Arabia. 21-23 October 2014.
22. Z.Hawamdeh. Principles of Shoulder Rehabilitation and Rehabilitation of Rotator cuff Tear. 7th international conference of Royal Medical services. Dead Sea-Jordan-4-7th November 2014.
23. Z.Hawamdeh. Rehabilitation challenges of PRM in Jordan. 9th World Congress of the International Society of Physical and Rehabilitation Medicine. **Berlin 19 - 23 June 2015.**

24. Z.Hawamdeh. the applications of ICF in visual impairments. 9th World Congress of the International Society of Physical and Rehabilitation Medicine. Berlin 19 - 23 June 2015.

Courses and conferences attended:

- 1- European School Marseille 2002 posture and movement analysis: disabled persons, sport activities. July 1-11, 2002.
- 2- XII Congress Nazionale SoMIPar. Torino 7-9 April 2005
- 3- European School Marseille on Motor Disabilities: posture and movement analysis, rehabilitation, neurophysiology. July 4 - 16, 2005.
- 4- Training Trainees for Tempus-University of Jordan- Amman- Jordan. June 25-July 8 2005.
- 5- 15th European Congress of Physical and Rehabilitation Medicine (ESPMR). May 16-20.2006. Madrid, Spain
- 6- Jordan Training Course on International Relations (JOTCIR), organized by the UNIMED as a collaborative activity between the university of Jordan and Cyprus University at the University of "La Sapienza", Rome – Italy, – phase 4: 10-16 June 2007.
- 7- Jordan Training Course on International Relations (JOTCIR), organized by the UNIMED as a collaborative activity between the university of Jordan and Cyprus University at the University of Jordan, Amman – Jordan, – phase 3: 27-31 May 2007.
- 8- Jordan Training Course on International Relations (JOTCIR), organized by the UNIMED as a collaborative activity between the university of Jordan and Cyprus University at the University of Jordan, Amman – Jordan, – phase 2: 22-26 April 2007.
- 9- Jordan Training Course on International Relations (JOTCIR), organized by the UNIMED as a collaborative activity between the university of Jordan and Cyprus University at the University of Jordan, Amman – Jordan, – phase 1: 26-29 March 2007.
- 10-Head of the scientific committee for the 1st scientific day of the Faculty of Rehabilitation Sciences- University of Jordan 25/4/2007.

- 11-Head of the scientific committee for the 2nd scientific day of the Faculty of Rehabilitation Sciences- University of Jordan 16/4/2007.
- 12-15th European Congress of Physical and Rehabilitation Medicine (ESPMR). Spain. Madrid, 16-20th May 2006
- 13-16th European Congress of Physical and Rehabilitation Medicine (ESPMR). June 2-6.2008. Brugge, Belgium
- 14-Mesotherapy in Rehabilitation (theoretical and practical course), May 14-18.2009, Athens-Greece.
- 15-The 4th Jordanian and 3rd Pan Arab Congress in Physical Medicine, Arthritis, and Rehabilitation Conference Amman, Jordan, November 2009.
- 16-17th European Congress of Physical and Rehabilitation Medicine (ESPMR).May 23-27th 2010, Venice –Italy.
- 17-The 5th Jordanian and the 6th pan Arab congress of Physical Medicine, arthritis and Rehabilitation, Amman 12-14 October 2011.
- 18-SPSS Course –University of Jordan 15-19 January 2012.
- 19-Botulinum toxin application in neurology workshop. Amman – March 15th 2012.
- 20-18th European Congress of Physical and Rehabilitation Medicine (ESPMR).May 28-June 1, Thessalonik, Greece 2012.
- 21-9th Mediterranean congress of Physical Medicine and Rehabilitation, Sorrento, Italy, " The Rehabilitation Medicine in the Mediterranean Area: Strategies and Experiences". 21-25 October 2012.
- 22-Tackling doping in sport 2013. London 13-14/03/2013.
- 23-6th Jordanian and 8th pan arab congress in Physical Medicine and Rehabilitation , amman 13-16 May 2014.
- 24-19th European congress of PRM, Marseille 26-31 May 2014.
- 25-Neurorehabilitation symposium (spasticity evaluation and management in children and adults).Istanbul-turkey. October 15-17th 2014.

26-Ixcellence Meet-IN, Vienna, December 12-14/2014. dystonia and spasticity evaluation and management.

27-“International Neurology and Rehabilitation Meeting (INEREM)” 4, 5, 6 of June 2015, Istanbul- Turkey.

28-9th World Congress of the International Society of Physical and Rehabilitation Medicine. Berlin 19 - 23 June 2015.

Courses taught at the Faculty of Rehabilitation Sciences and Faculty of Medicine:

- 1- Principles of rehabilitation medicine.
- 2- Techniques of physiotherapy 1
- 3- Techniques of physiotherapy 3
- 4- Electro diagnostic medicine: EMG, NCS and Evoked potentials
- 5- Prosthetics and orthotics for Medical students and for physiotherapists.
- 6- Perioperative rehabilitation and Rehabilitation of Amputee.
- 7- Lower limb prosthesis.
- 8- Rehabilitation of Special cases.

Main clinical interests:

- Neurorehabilitation: spasticity evaluation and management, Stroke Rehabilitation
- Electrodiagnosis and neurophysiology.
- Orthopaedic Rehabilitation.
- Pediatric Rehabilitation: Cerebral palsy evaluation and management.