



Ensieh Poorhoseingholi

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EDUCATION

- 2013 - 2019** **Ph.D.** in Prosthetics and Orthotics, Iran University of Medical Sciences, Tehran, Iran,
- 2001 - 2003** **MSc** in Prosthetics and Orthotics, Iran University of Medical Sciences, Tehran, Iran,
- 1996 - 2000** **BSc** in Prosthetics and Orthotics, Isfahan University of Medical Sciences, Isfahan, Iran,

CAREER SUMMARY

- 2000-2001** Welfare Organization of the Islamic Republic of Iran-Kermanshah-*(Full time)*
- 2005-2006** *(Full time)*
- 2007-2013** Welfare Organization of the Islamic Republic of Iran-Kermanshah-*(Full time)*
- Welfare Organization of the Islamic Republic of Iran-Kermanshah-*(Full time)*
- 2022- Current** Orthotics & Prosthetics Department, Hamadan University of Medical Sciences, Hamadan, Iran *(Full time)*

AFFILIATIONS

- 2013- 2019** Students of Iran University of Medical science, Tehran, Iran,
- 2022- Current** Assistant Professor, Orthotics & Prosthetics Department, Hamadan University of Medical Sciences, Hamadan, Iran

TEACHING EXPERIENCES

2013 – 2019 Lecturer: Department of Orthotics & Prosthetics, Iran University of Medical Sciences, Tehran, Iran-*(Part time)*

2022-Current

- Lecturer: Department of Orthotics & Prosthetics, Hamadan University of Medical Sciences, Hamadan, Iran

RESEARCH

Research Interests:

- Application of Emerging Technologies in Orthotics & Prosthetics,
- Designed and fabrication new orthosis

- Gait and posture studies
- Evidence-Based Practice studies

Paper Publications:

1. Saeedi H, Pourhoseingholi E. Design and Evaluation of Hybrid Passive Spring Damper Ankle Foot Orthosis for Gait Performance in Drop Foot Patients: A Feasibility Study. *Journal of Biomedical Physics and Engineering*. 2021 May 3.
2. Pourhoseingholi E, Saeedi H. Role of the newly designed Ankle Foot Orthosis on balance related parameters in drop foot post stroke patients. *Journal of Bodywork and Movement Therapies*. 2021 Apr 1; 26:501-4.
3. Pourhoseingholi E, Kamali M, Saeedi H. Investigating the effect of innovative storing-restoring hybrid passive ankle-foot orthosis on braking and propulsion impulse of walking in drop-foot patients: a prospective cohort study. *Current Orthopaedic Practice*. 2021 Mar 1;32(2):146-50.
4. Pourhoseingholi E, Saeedi H, Kamali M. Effect of Novel Spring Damper and Posterior Leaf Spring Ankle Foot Orthosis on the Vertical Component of Ground Reaction Forces during Walking in Patients with Drop Foot. *Journal of Research in Orthopedic Science*. 2021 Feb 10; 8(1):17-22.
5. Farahmand B, Pourhoseingholi E, Bagheri A. The comparison of medial longitudinal arch development in normal feet and flexible flatfeet in preschool children with an 18-month follow-up: a retrospective case-control study. *Current Orthopaedic Practice*. 2021 May 1;32(3):247-50.
6. Farahmand B, Pourhoseingholi E, Bagheri A. Investigating the effects of volar wrist cock-up splint and dorsal lock wrist hand orthosis in reducing signs of carpal tunnel syndrome. *Medical Journal of the Islamic Republic of Iran*. 2021; 35:53.
7. Pourhoseingholi E, Saeedi H, Kamali M, Jalali M. The effect of articulated AFO with hydra pneumatic damper in biomechanical characteristic of drop foot: A pilot study. *Medical Journal of the Islamic Republic of Iran*. 2020; 34:115.
8. Saeedi H, Pourhoseingholi E. Comparison the effect of kinetic parameters of innovative storing-restoring hybrid passive (comfort gait) ankle-foot orthosis (AFO) with posterior leaf spring AFO in drop-foot patients: A prospective cohort study. *Current Orthopaedic Practice*. 2020 Sep 1; 31(5):437-41.
9. Pourhoseingholi E, Kamali M, Saeedi H, Jalali M. The comparison of the effect of innovative designed storing-restoring hybrid passive AFO versus posterior leaf

spring AFO on ankle joint kinematic in drop foot patients: A case series using a single subject design. Medical Journal of the Islamic Republic of Iran. 2020; 34:173.

10. Saeedi H, Pourhoseingholi E, Kamali M. A Comparison the spatiotemporal efficiency of two designs of Posterior Leaf Spring (PLS) and pneumatic damper ankle-foot orthoses (AFO) in drop foot. Function and Disability Journal. 2019 Feb 10;2(1):171-6.
11. Pourhoseingholi E, Farahmand B, Bagheri A, Kamali M, Saeb M. Efficacy of different techniques of AFO construction for hemiplegia patients: A systematic review. Medical journal of the Islamic Republic of Iran. 2019; 33:50.
12. Pourhoseingholi E, Farahmand B, Bagheri A. A Comparison of Mechanical Leg Impedance of Lower Limb Joint in Cerebral Palsy Crouch Gait Children with Healthy Match Group. Function and Disability Journal. 2018 Sep 10; 1(3):48-57.
13. Pourhoseingholi E, Pourhoseingholi MA, Bagheri A, Esfandiar E, Saeb M. Footprint as an alternative to X-ray in hallux valgus angle measurement. Medical Journal of the Islamic Republic of Iran. 2017;31:33.
14. Pourhoseingholi E, Pourhoseingholi MA. Comparison of Arch Index of flat foot and healthy foot in pre-school children. Thrita. 2013 Sep 6;2(3):15-8.

Book Publication:

- *Translation:* Farahmand.B, Poorhoseingholi.E and Ghomian.B, New achievements in orthotherapy, the latest clinical approaches to foot, ankle and knee pathologies.

Presentations:

1. Poorhoseingholi E, Saeedi H, "Efficacy of wrist hand orthosis on reducing pain and EMG sign of CTS patients" 10th National Iranian Congress of Orthotics and Prosthetics; 2012; Tehran: Iranian Scientific Association for Orthotics & Prosthetics (ISAOP).
2. Poorhoseingholi E, Saeedi H, "Comparison the Arch Index in flat foot and health control" 8th National Iranian Congress of Orthotics and Prosthetics; Tehran: Iranian Scientific Association for Orthotics & Prosthetics (ISAOP).
3. Poorhoseingholi E, Saeedi H, " Comparison the efficacy of three type of silicon, poly foam and PVC insoles on plantar pressure of *diabetes*" 7th National Iranian Congress of Orthotics and Prosthetics; Isfahan, Iran. Iranian Scientific Association for Orthotics & Prosthetics (ISAOP).

4. Poorhoseingholi E, " Children prosthesis priorities and challenges"7th National Iranian Congress of Orthotics and Prosthetics; Isfahan, Iran. Iranian Scientific Association for Orthotics & Prosthetics (ISAOP).

External Grants:

- 1- Abbass Poormomeni (Principle Investigator), Ensieh Poorhoseingholi (Co-investigator), Deputy of Research and Technology of Isfahan University of Medical Science "Comparing the foot print of health and flat foot adults"
- 2- Hassan Saeedi (Principle Investigator), Ensieh Poorhoseingholi (Co-investigator), Deputy of Research and Technology at Iran University of Medical Science, "Comparison the efficacy of three type of silicon, poly foam and PVC insoles on plantar pressure of *diabetes*"
- 3- Hassan Saeedi (Principle Investigator), Ensieh Poorhoseingholi (Co-investigator), Deputy of Research and Technology at Iran University of Medical Science, "Design and fabrication of newly designed Ankle Foot Orthosis with storing restoring spring damper mechanism on drop foot post stroke"
- 4- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. "*Comparison the anthropometric parameters of 5-7 years old CP and health control group*"
- 5- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. "*Comparison anthropometric parameters of post polio patients and health control group*"
- 6- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. "*Comparison the effect of three type of long cock up, short cock up and dorsal lock orthosis on pain and EMG sign of CTS*"
- 7- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. "*Effect of insole in plantar foot ulcer of diabetic patients*"

- 8- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. *"Priority of silicon insole in reducing the risk of ulceration in diabetic patients"*
- 9- Ensieh Poorhoseingholi (Principle Investigator), Deputy of Research and Technology, Welfare Organization of the Islamic Republic of Iran-Kermanshah. *"Comparison the Arch Index in flat foot and health control children"*
- 10- Ensieh Pourhoseingholi (Principle Investigator), Nahid Tafti (co-investigator), Deputy of Research and Technology, Hamadan University of Medical Sciences, *"Comparison the efficacy of newly designed hinged Ankle Foot Orthosis with solid Ankle Foot Orthosis on center of mass fluctuation in hemiplegic Cerebral Palsy patients"*
- 11- Ensieh Pourhoseingholi (Principle Investigator), Nahid Tafti (co-investigator), Deputy of Research and Technology, Hamadan University of Medical Sciences, *"Investigating the efficacy of new articulated AFO on biomechanical parameters in gait of multiple sclerosis"*
- 12- Ensieh Pourhoseingholi (Principle Investigator), Deputy of Research and Technology, Hamadan University of Medical Sciences, *"Comparison the effects of foot orthosis with skive technique and wedge insole on postural control parameters in flexible flat foot population"*
- 13- Ensieh Pourhoseingholi (Principle Investigator), Deputy of Research and Technology, Hamadan University of Medical Sciences, *"Efficacy of Posterior Leaf Spring Ankle Foot Orthosis on biomechanical parameters of drop foot post stroke patients"*

SKILLS

IT skills: *MS office including Word, Excel, PowerPoint, Publisher; SPSS, EndNote,*
Languages: *Farsi (native), English (intermediate), Italian(intermediate)*
