



Mobina Khosravi

PhD in Orthotics & Prosthetics

H-Index: 4

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Academic Affiliation

Department of Physiotherapy, School of Rehabilitation,
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Academic Educations

- **PhD** in Orthotics and Prosthetics, Iran University of Medical Sciences, 2019-2023.
- **MSc** in Orthotics and Prosthetics, University of Social Welfare and Rehabilitation Sciences, 2016-2019.
- **BSc** in Orthotics and Prosthetics, Iran University of Medical Sciences, 2012-2016.

Thesis Title

Ph.D. Quantification of the optimal pressure applied by the brace in people with medial knee osteoarthritis based on the dose-response theory and comparing the effect of adjusting the brace with this method and the conventional method on clinical parameters.

Supervisor: Dr. Maryam Jalali, Dr. Taher Bababee

MSc Comparison of the effect of simultaneous and separate use of sole with lateral wedge insole and three-point knee brace on the parameters of adduction moment, pain, function and satisfaction in patients with medial knee osteoarthritis.

Supervisor: Dr. Mokhtar Arazpour

Publications

- Published Articles

- An evaluation of the use of a lateral wedged insole and a valgus knee brace in combination in subjects with medial compartment knee osteoarthritis (OA) M Khosravi, M Arazpour, AS Vaziri Assistive Technology, 2019.
- Effect of knee braces and insoles on clinical outcomes of individuals with medial knee osteoarthritis: A systematic review and meta-analysis, M Khosravi, T Babae, A Daryabor, M Jalali, Assistive Technology, 34 (5), 501-51711 2022.
- Design evaluation in novel orthoses for patients with medial knee osteoarthritis M Khosravi, M Arazpour, H Saeedi, M Rezaei. Journal of Biomedical Physics & Engineering 9 (6), 719, 2019.
- The comprehensive lower limb amputee socket survey: reliability and validity of the Persian version, N Rouhani, E Esfandiari, T Babae, M Khosravi, V Moradi. Prosthetics and Orthotics International, 2021.
- Effect of Milwaukee brace on quality of life in adolescents with idiopathic scoliosis, M Zarea, G Aminian, M Khosravi, R Baghaei, Journal of Clinical Physiotherapy Research 5 (2), 2020.

- Predictive factors for outcomes of overcorrection nighttime bracing in Mobinakhosravi80@yahoo.com Mobina Khosravi +98-9120179255 Tehran, Iran adolescent idiopathic scoliosis: a systematic review, V Moradi, T Babae, A Shariat, M Khosravi, M Saeedi, J ParentNichols, Asian Spine Journal 16 (4), 593,2022.
- Does bracing control the progression of adolescent idiopathic scoliosis in curves higher than 40? A systematic review and meta-analysis, T Babae, V Moradi, H Hashemi, A Shariat, AT Anastasio, M Khosravi, Asian Spine Journal 17 (1), 2031,2023.
- The effects of combining high-top shoes with twister wrap orthoses on balance parameters of children with spastic diplegic cerebral palsy ,M Davoudi, MK Farsani, T Babae, H Ranjbar, SM Shokouhyan, Journal of Biomedical Physics & Engineering 12 (1), 91,2022.
- The Evaluation of a Custom-Made Insole on Foot Plantar Pressures in an Individual with Flexible Flatfoot: Single Case Study MK Farsani, A Daryabor, M Rezaei, F Okhovatian, Journal of Clinical Physiotherapy Research 5 (1), e7-e7, 2020.
- Evaluating the effective pressure applied by a valgus knee orthosis in individuals with medial knee osteoarthritis based on the dose–response relationship, M Khosravi, M Jalali, T Babae, MA Sanjari, A Rahimi, The Knee 40, 174- 182,2023.
- Comparing the immediate effect of pneumatic and conventional knee braces on gait, satisfaction and pain in patients with knee medial osteoarthritis, M Rezaei, A Daryabor, M Khosravi, SH Pour, H Saeedi, International Journal of Therapy and Rehabilitation 29 (11), 1-10, 2022.
- Milwaukee Brace on Quality of Life in Adolescents with Idiopathic Scoliosis, M Zarea, G Aminian, M Khosravi, R Baghaei, Journal of Clinical Physiotherapy Research 5 (2), e13,2020.
- Evaluating the Effective Pressure Applied by a Valgus Knee Brace in Individuals with Medial Knee Osteoarthritis Based on the DoseResponse Relationship ,M Khosravi, M Jalali, T Babae, MA Sanjari, A Rahimi, Available at SSRN 4084962.
- Comparison of physical therapy and patients with medial knee osteoarthritis, Zahra jiryae, Aliyeh Daryabor, Forozan rastegar, Mobina Khosravi, Journal of prosthetics and orthotics, accepted.

- Published Books

- Pourmoghoaddam V, Khosravi M, Dehghan S, Nikbakht S. Atlas of amputations and limb deficiencies (July 2023). 4th edition 2016. Pediatrics section have translated to Persian language.

Researches & Grants

- Investigating the effect of long-term use of insoles with external edges on the displacement of the center of pressure in patients with medial knee osteoarthritis.
- Comparison of the effect of two types of knee braces on walking in patients with internal osteoarthritis of the knee Translation, localization and determination of validity, reproducibility and internal consistency of the Persian version of the Comprehensive Prosthetic Socket Questionnaire in active people with lower limb amputation.
- Quantification of the optimal pressure applied by the brace in people with medial osteoarthritis of the knee based on the dose-response theory and comparing the effect of adjusting the brace with this method and the conventional method on clinical parameters.
- Comparison of the effect of knee brace and insole with external edge on the energy consumption of patients with medial knee osteoarthritis.
- Comparison between pain intensity and articular cartilage involvement among Iranian men and women with knee osteoarthritis.

Research Interests

- Gait analysis
- Knee Osteoarthritis
- Dose response analysis
- Meta-analysis
- Pediatrics
- Foot orthoses

Teaching Workshops

- Preliminary search workshop.
- Idiopathic scoliosis webinar.
- Knee osteoarthritis webinar

Congress, Conference, Seminar Presentations

- Oral Presentations

- Investigating the effect of pneumatic orthoses in medial knee compartment osteoarthritis, 1st international and 12st national congress of Iranian association of orthotics and prosthetics.
- Investigating the effect of separate and combine use of lateral wedge insoles with and valgus brace on pain parameters, adduction moment and function in patients with osteoarthritis of the medial compartment of the knee: a review study, 12th Iranian Congress of Orthosis and Prosthetics.

- Poster Presentations

- Investigating the effect of knee valgus brace on walking parameters in knee internal compartment osteoarthritis patients, 1st international and 12st national congress of Iranian association of orthotics and prosthetics.
- Professional ethics in orthotics and prosthetics, 1st international and 12st national congress of Iranian association of orthotics and prosthetics.
- Investigating the effect of neoprene dynamic orthosis in children with cerebral palsy, 1st international and 12st national congress of Iranian association of orthotics and prosthetics.
- Investigating lumbar lordosis angle in response to heel height changes in men and women, 10 th Iranian Congress of Orthosis and Prosthesis.
- Investigating the effect of knee braces on pain parameters, function, adductor moment and satisfaction in patients with osteoarthritis of the National Conference Osteoarthritis from Research to Clinic. medial compartment of the knee: a review study.

Cooperation with Journals as Reviewer:

Journal of Clinical Physiotherapy Research (JCPR).

Participated in workshops & Courses

- Endnote/SPSS/ Microsoft Office.
- Advanced search.
- MATLAB.
- Essay writing.
- Data Analysis of Gait, Balance & EMG.
- Dose-response Meta-analysis.
- Radiology interpretation workshop.

Languages

1. Persian: Native Languages
2. English: Upper-intermediate Level