

Department of Rehabilitation
Shiraz University of Medical Sciences
Shiraz, Fars
Islamic Republic of Iran

Email: Haghighat_fa@yahoo.com
Phone: +98 71 323 05410
Fax: //



FARZANEH HAGHIGHAT, PhD

Associate Professor of Physiotherapy

Educations

1. ***Doctor of Philosophy in Physiotherapy***

School of Rehabilitation, Shiraz University of Medical Sciences, Shiraz, Iran (2014 – 2021)

2. ***Master of Science in Sport Physiotherapy***

School of Rehabilitation, Iran University of Medical Sciences, Tehran, Iran (2011 – 2013)

3. ***Bachelor of Science in Physiotherapy***

School of Rehabilitation, Shiraz University of Medical Sciences, Shiraz, Iran (2006 – 2010)

Publications

Book

1. Haghighat F, Rezaie M. An introduction to movement variability and nonlinear concepts, Farhang pajoohan danesh, Iran, 2020
2. Haghighat F, Mohammadpour M. Myofascial Release [translated from English to Persian], Setayesh Hasti, Iran, 2017

Journal Article

1. Haghighat, F., Rezaie, M., & Majlesi, M. (2024). The influence of boots on the way we walk; a Kinematics and Kinetics study. Scientific Reports. UNDER REVIEW
2. Hadadi, M., Haghighat, F. (corresponding author), Jafari, F. (2024) Effects of patellar taping on pain and function of patients with degenerative medial meniscus tear: a randomized controlled trial. International Journal of Osteopathic Medicine. UNDER REVIEW
3. Hadadi, M., Haghighat, F. (corresponding author) (2024) Cross-Cultural Adaptation, Reliability and Validity of the Persian Version of the Functional Assessment Scale for

Acute Hamstring Injuries. BMC Sports Science, Medicine and Rehabilitation. UNDER REVIEW

4. Haghghat, F., Moradi, R., Rezaie, M., Yarahmadi, N., Ghaffarnejad, F. (2024) Added value of diaphragm myofascial release on forward head posture and chest expansion in patients with neck pain: A Randomized Controlled Trial. BMC Musculoskeletal Disorders. UNDER REVIEW
5. Haghghat, F., Rezaie, M., Ebrahimi, S., Shokuhian, S. M., Motealleh, A., Salehi, R., & Parnianpour, M. (2024). The Correlation between Intersegmental Coordination Variability and Frontal Plane Hip Kinematics during Running in Persons with Patellofemoral Pain. *Journal of biomedical physics & engineering*, 14(1), 89–98
6. Mirsalari, R., Kordi Yoosefinejad, A., Yazdani, F., Haghghat, F., Amiripanah, A. A., & Parandavarfard, S. (2023). Comparing position sense and isokinetic strength of the muscles of elbow joint between aikidokas and non-athlete people. *BMC sports science, medicine & rehabilitation*, 15(1), 71
7. Haghghat, F., Arjomand, S., Ghasemi, S., Afkhami, E., Montaseri, H., & Motealleh, A. (2022). Effects of phonophoresis of Aloe vera gel and ultrasound on knee osteoarthritis: A randomized controlled trial. *Journal of Herbal Medicine*, 36, 100606
8. Aghdam, H. A., Haghghat, F., Rezaie, M., Kavyani, M., & Karimi, M. T. (2022). Comparison of the knee joint reaction force between individuals with and without acute anterior cruciate ligament rupture during walking. *Journal of orthopaedic surgery and research*, 17(1), 250
9. Haghghat F., Ebrahimi S, Rezaie M, Shafiee E, Shokouhyan M, Motealleh A, Parnianpour M. Trunk, pelvis, and knee kinematics during running in females with and without patellofemoral pain: A case-control study. *Gait & posture*. 2021 Sep; 89:80-85.
10. Haghghat F., Rezaie M, Ebrahimi S, Shokouhyan M, Motealleh A, Parnianpour M. Coordination variability during walking and running in individuals with and without patellofemoral pain Part 1: Lower limb intersegmental coordination variability. *Journal of Medical and Biological Engineering*. 2021;41 (3):295-304.3
11. Haghghat F., Rezaie M, Ebrahimi S, Shokouhyan M, Motealleh A, Parnianpour M. Coordination Variability During Walking and Running in Individuals with and Without Patellofemoral Pain Part 2: Proximal Segments Coordination Variability. *Journal of Medical and Biological Engineering*. 2021;41 (3):305-313.
12. Hadadi M, Haghghat F. (corresponding author), Mohammadpour N, Sobhani S. Effects of Kinesiotape vs Soft and Semirigid Ankle Orthoses on Balance in Patients with Chronic Ankle Instability: A Randomized Controlled Trial. *Foot & Ankle International*. 2020 May 8;1071100720917181.
13. Hadadi M, Haghghat F. (corresponding author), Sobhani S. Can fibular reposition taping improve balance performance in individuals with chronic ankle instability? A randomized controlled trial. *Musculoskeletal Science and Practice*. 2020 Apr 1; 46:102128.

14. Hadadi M, Haghghat F. (corresponding author), Hossein I. Comparison of Health-Related Quality of Life in Different Types of Chronic Ankle Instability. *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2020 Mar 19;23.
15. Hadadi M, Piroozi S, Haghghat F. (corresponding author), Abbasi F, Mousavi SM. Translation, cross-cultural adaptation, reliability and validity of the Persian version of the ACL-QOL questionnaire in patients with anterior cruciate ligament reconstruction. *Journal of Orthopaedic Science*. 2019 May 1;24(3):501-6.
16. Taghizadeh Sh, Haghghat F., Piroozi S, Karimi A, Khanalinejad D. The survey and comparison of musculoskeletal disorders of shoulder, arm and hand in taxi and bus drivers in the city of Shiraz. *Archives of Rehabilitation*. 2018; 19(1):64-75
17. Mohamadali Sanjari, Haghghat F. (corresponding author), Gholamreza Olyaei, Aliashraf Jamshidi. Hand Fatigue Analysis Using Quantitative Evaluation of Variability in Drawing Patterns. *Armaghane Danesh*. 2015, 19(11): 1008-1020
18. Kamali F, Moslemi F, Amirian Sh, Haghghat F. Comparison of the effect of manual therapy with taping in treatment of knee osteoarthritis, *Journal of Research in Rehabilitation Sciences*, 2012; 7(3): 241-249

Editorial Board of

- Journal of Rehabilitation Sciences and Research

Honors and Awards

- Ranked 1st at PhD level (2014-2021) as talented medical student, Shiraz University of Medical Sciences, Shiraz, Iran
- Ranked 2nd at MSc level (2011-2013) as talented medical student Iran University of Medical Sciences, Tehran, Iran
- Ranked 2nd at Master's entrance exam (2011) as talented medical student Amongst all the volunteers in the country, Iran
- The best poster presenter at 6th students congress of new insights in rehabilitation sciences, Shiraz, Iran, 2017

Congress Presentations

1. 7th Annual Conference in Human Movement Variability (May 2022). Rezaie M, Haghghat F, the influence of different normalization methods on cross recurrence quantification analysis. ACCEPTED POSTER.

2. 3rd international and 28th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2019). Hadadi M, Piroozi S, Haghghat F, Abbasi F, Mousavi SM. Translation, cross-cultural adaptation, reliability and validity of the Persian version of the ACLQOL questionnaire in patients with anterior cruciate ligament reconstruction.
3. 3rd international and 28th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2019). Hadadi M, Haghghat F, Sobhani S. Can fibular reposition taping improve balance performance in individuals with chronic ankle instability? A randomized controlled trial.
4. 13th Iranian congress of orthotics and prosthetics. (Iran, Isfahan, 2019). Hadadi M, Haghghat F, Mohammadpour N, Sobhani S. Effects of Kinesiotape vs Soft and Semirigid Ankle Orthoses on Balance in Patients with Chronic Ankle Instability: A Randomized Controlled Trial.
5. 7th students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2018). Motealleh A, Haghghat F, Shadanpour F, Rahimi N. The effect of dry needling of trigger points around hip and knee on pain, function and proprioception in patients with knee osteoarthritis.
6. 6th students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2017). Taghizadeh S, Haghghat F, Piroozi S, Karimi A, Khanalinejad D. The survey and comparison of musculoskeletal disorders of shoulder, arm and hand in taxi and bus drivers in the city of Shiraz, 2016.
7. 6th students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2017). Hadadi M, Piroozi S, Haghghat F, Abbasi F, Mousavi SM. Translation, cross-cultural adaptation, reliability and validity of the Persian version of the ACL-QOL questionnaire in patients with anterior cruciate ligament reconstruction.
8. 6th students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2017). Motealleh A, Haghghat F, Arjomand S, Ghasemi S. effects of Phonophoresis of Aloe vera Gel and Ultrasound on Knee Osteoarthritis
9. 1st international and 28th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2017). Sanjari M, Haghghat F, Olyae G, Jamshidi A. Hand Fatigue Analysis Using Quantitative Evaluation of Variability in Drawing Patterns.

10. 1st students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2012).
Haghighat F, Heidari S, Moslemi Haghighi F. Investigating the effect of ankle taping on walking stance phase duration in patients with chronic stroke.
11. 1st students congress of new insights in rehabilitation sciences, (Iran, Shiraz, 2012).
Haghighat F, Heidari S, Moslemi Haghighi F. Investigating the effect of hand extensor muscles taping on hand function in patients with chronic stroke.
12. 15th annual congress of Iranian society of physical medicine, rehabilitation and electrodiagnosis, (Iran, Tehran, 2012). Haghighat F, Amirian S, Kamali F, Moslemi F. Comparison of the effect of manual therapy with taping in treatment of knee osteoarthritis.

Academic & Professional activities

- Assistant professor at:
School of Rehabilitation Sciences, Shiraz University of Medical Sciences, Shiraz, Iran
Orthopedic & Rehabilitation Research Center, Shiraz University of Medical Sciences, Shiraz, Iran
- Technical editor of Journal of Rehabilitation Sciences and Research
- Faculty member of Shiraz Rehabilitation Sciences Research Center
- Manager of School of Rehabilitation Sciences clinic
- Scientific secretary of 6th student congress of new insights in rehabilitation sciences. (Iran, Shiraz, 2017)
- Participation in 1st, 4th, 5th, 6th, 7th & 8th student congress of new insights in rehabilitation sciences. (Iran, Shiraz, 2012, 2015, 2016, 2017, 2018 & 2019)
- Participation in 3th international and 30th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2019)
- Participation in 2nd international and 29th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2018)
- Participation in 1st international and 28th annual congress of the Iranian physiotherapy association. (Iran, Tehran, 2017).
- Active participation in Shiraz University Open Day, 2016

- Active participation in Iran health week as oral presenter: Physical therapy in Diabetes, 2016
- Participation in 15th annual congress of Iranian society of physical medicine, rehabilitation and electrodiagnosis, (Iran, Tehran, 2012)
- Participation in 7th international congress of sport medicine, Iran, Tehran, 2011

Teaching Experience

- ***School of Rehabilitation Sciences, Shiraz University of Medical Sciences, Shiraz, Iran (2023)***
 - Kinesiology of ankle and foot
- ***Hospital Tutor***
 - Amir hospital (Oncology Physiotherapy field)
 - Motahari hospital (Lymphedema field)
 - Chamran hospital (Neurological/Orthopedic field)
 - Faghihi hospital (Neurological/Orthopedic field)
 - School of Rehabilitation Sciences clinic (Neurological/Orthopedic field)
- ***Workshop Instructor***
 - Assessment, Diagnosis and Treatment of Pelvic Girdle Dysfunction
- (for BSc and MSc level physiotherapy students)
 - Assessment, Diagnosis and Treatment of Pelvic Girdle Dysfunction
- (for physiotherapists of medical centers under the supervision of Shiraz University of Medical Sciences)
 - Assessment and Diagnosis of Lumbar Spine Dysfunction
- (for physiotherapists of medical centers under the supervision of Shiraz University of Medical Sciences)
 - Assessment and Diagnosis of Shoulder Complex Disorders
- (for BSc and MSc level physiotherapy students)
 - Motion Analysis
- (for BSc and MSc level physiotherapy students)
 - Motion Analysis
- (for the physicians of Shiraz University of Medical Sciences)

Technical Skills

- ***Expertise in using:***
 - Windows (XP, 7, 10)

- MS Office (Word, Excel, Power Point)
- SPSS-IBM for statistical analysis of data
- Endnote and Reference Manager (Bibliographic software)
- Visual 3D and QTM for movement analysis and computer aided data capturing
- EMG measurement
- Biodex isokinetic dynamometer
- Biodex Balance System
- Digital Tablet (WACOM)
- Recurrence Quantification Analysis software (RQA)