

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

Yazdani_far@sums.ac.ir
Phone: +98 9177135942



Updated on December 19, 2024

Farzaneh Yazdani, PhD, PT

Assistant Professor of Shiraz University of Medical Sciences

Educations

1. Physiotherapy, Ph.D. | Shiraz university of Medical Sciences, Shiraz, Iran (2012-2019)
2. Physiotherapy, M.Sc. | Shiraz University of Medical Sciences, Shiraz, Iran (2005-2007)
3. Physiotherapy, B.Sc. | Shiraz University of Medical Sciences, Shiraz, Iran (2001-2005)

Awards & Grants

- Excellence in Practice Plaque, Iranian physiotherapy association. (2017)
- Excellence in Practice Plaque, Iranian physiotherapy association. (2012)
- Talented student in B.Sc. (2005)
- Top student in Ph.D. (2013)
- Top student in M.Sc. (2007)
- 2024: Grant Number 30073 for research project Entitled: Evaluation of the muscle activity pattern and kinematics of the scapulothoracic complex in patients with shoulder impingement syndrome in loaded and unloaded arm using musculoskeletal simulation.

Publications

1. Karimi MT, **Yazdani F**, Razavi M. Evaluating dynamic stability, spatiotemporal and kinematic parameters of gait during walking in day and night shift nurses. *Journal of Rehabilitation Sciences and Research*. Article in press. 2024
2. Moore M, Kordi Yoosefinejad A, **Yazdani F**, Ebrahimi S. Can hamstring to quadriceps rate of torque development ratio be an index for knee stability in male basketball players? A cross sectional study. *Journal of Rehabilitation Sciences and Research*. Article in press. 2024
3. Mirsalari R, Kordi Yoosefinejad A, **Yazdani F**, Haghightat F, Amiripanah AA, Parandavarfard S. Comparing position sense and isokinetic strength of the muscles of elbow joint between aikidokas and non-athlete people. *BMC Sports Science, Medicine and Rehabilitation*. 2023; 15(1):1-8.
4. Salmani Nodooshan H, Daneshmandi H, Choobineh A, **Yazdani F**, Razeghi M, Shahnazar Nezhad Khales T. Effect of Tilt-adjustable Mouse Pad on the Forearm Muscle Activity and Upper Limb Discomfort During a Computer Mouse Task. *Journal of Health Sciences & Surveillance System*. 2023; 11(3):500-7.
5. Molaeifar S, **Yazdani F**, Yoosefinejad AK, Karimi MT. Correlation between craniovertebral angle in the sagittal plane and angles and indices measured in the frontal plane at the moment of inducing forward head posture. *Work*. 2021; 68(4): 1221-27.
6. Sanati E, Kordi YA, Parandavarfard S, **Yazdani F**. Comparison of sense of wrist joint position between aikidokas and healthy people. *Ido Movement for Culture Journal of Martial Arts Anthropology*. 2021;21(1):38-46.
7. **Yazdani F**, Razeghi M, Karimi MT, Bani MS, Bahreinizad H. Foot hyperpronation alters lumbopelvic muscle function during the stance phase of gait. *Gait & posture*. 2019;74:102-107.
8. Sharifian R, Karimpour M, Parsaei H, Rojhani Z, **Yazdani F**. Designing and implementing an android operating system based- EMG software for estimating muscle onset latency. *Journal of Biomedical Physics and Engineering*. 2019; 9(2):243-50.
9. **Yazdani F**, Razeghi M, Karimi MT, Raeisi Shahraki H, Salimi Bani M. The influence of foot hyperpronation on pelvic biomechanics during stance phase of the gait: A biomechanical simulation study. Proceedings of the Institution of Mechanical Engineers, Part H: *Journal of Engineering in Medicine*. 2018:doi:0954411918778077.
10. Razeghi M, Ebrahimi S, **Yazdani F**, Tahayori B. The force applied to the knee extensor mechanism differs between flat-footed and normal subjects during walking. *Biomedical Human Kinetics*. 2018;10(1):101-6.
11. **Yazdani F**, Razeghi M, Ebrahimi S. A comparison of the free moment pattern between normal and hyper-pronated aligned feet in female subjects during the stance phase of gait. *Journal of Biomedical Physics and Engineering*. 2018.

12. **Yazdani F**, Razeghi M, Ebrahimi S. An evaluation of the correlation between the free moments applied on the lower extremity and the knee extensor mechanism force in pronated foot subjects during the stance phase of gait. *Journal of Rehabilitation Sciences and Research*. 2017;3(4):85-90.
13. Ebrahimi S, Razeghi M, **Yazdani F**. The correlation between rear foot angle and the force applied to the knee extensor mechanism in subjects with subtalar hyper pronation. *Gait & posture*. 2015;42:S14.
14. **Yazdani F**, Razeghi M, Ebrahimi S, Taghi Zadeh SH. The effect of subtalar hyperpronation correction by medial longitudinal arch taping on the knee joint malalignment and pain. *Journal of Research in Rehabilitation Sciences*.2014; 10(3): 382-392.
15. Razeghi M, Ghanbari A, Ebrahimi S, **Yazdani F**, Shoara E. The comparison of the effect of medial longitudinal arch support, heel and sole wedges on the pelvic alignment during stance phase of gait in flat footed subjects. *Gait & posture*. 2013;38:S115-S6.
16. Ghanbari A, Razeghi M, **Yazdani F**, Ebrahimi S, Abbasi L. The effect of subtalar hyperpronation on the pelvic alignment during stance phase of walking. *Gait & posture*. 2013;38:S116.
17. Razeghi M, Ebrahimi S, **Yazdani F**. The comparison of patellofemoral joint forces between flat footed and normal subjects during stance phase of gait. *Gait & posture*. 2012;36:S38.
18. Razeghi M, **Yazdani F**, Ebrahimi S, Ghanbari A. A comparative evaluation of the effect of three different in-shoe orthotic appliances on the force applied to the knee extensor mechanism in flat footed subjects during stance phase of gait. *Gait & posture*. 2012;36:S39.
19. Ebrahimi S, Razeghi M, **Yazdani F**, Farazdaghi MR, Ghaem H. The comparison of the force applied to the knee extensor mechanism between flat footed and normal subjects during stance phase of gait. *Gait & posture*. 2009;30:S108.
20. **Yazdani F**, Razeghi M, Ebrahimi S, Farazdaghi MR. The study of free moment in subjects with hyper-pronated feet. *Gait & posture*. 2009;30:S24.

Editorial Board of

- Editorial Board Member, Shiraz physiotherapy quarterly journal of “Pezhvak” (new version) SUMS, Shiraz, Fars, Iran, 2008-2009
- Editorial Board Member, Shiraz Talented Medical Students Association journal of “Derakhshesh" Shiraz, Fars, Iran, 2006-2007
- Editorial Board Member, Shiraz physiotherapy journal of " Pezhvak" SUMS, Shiraz, Fars, Iran, 2003-2005
- Editorial Board Member, Shiraz physiotherapy quarterly journal of “Faslnameh" SUMS, Shiraz, Fars, Iran, 2004

Reviewer of

- Journal of Rehabilitation Sciences and Research
- Journal of Orthopaedic surgery and research
- Journal of BMC sport science, Medicine and Rehabilitation
- Journal of BMC musculoskeletal disorders
- International Journal of Sport and Exercise Medicine
- Journal of Scientific Reports
- Journal of work

Congress Presentations

1. 21th annual general meeting of ESMAC, (Stockholm,Sweden, September 13-15,2012)

Ghanbari.A, Razeghi. M, **Yazdani. F**, Ebrahimi. S.The effect of subtalar hyper pronation on the pelvic alignment during stance phase of gati.

2. 21th annual general meeting of ESMAC, (Stockholm,Sweden, September 13-15,2012)

Razeghi. M, Ghanbari.A, Ebrahimi. S, **Yazdani. F**, Shoara.E. The comparision of the effect of mrdial longitudinal arch support, heel & sole wedges on the pelvic alignment during stance phase of gait in flat footed subjects.

3. 20th annual general meeting of ESMAC, (Vienna, Austria, September 15 -17, 2011). Razeghi.

M, Ebrahimi. S, **Yazdani. F.** The comparison of patellofemoral joint forces between flat footed and normal subjects during stance phase of gait.

4. 20th annual general meeting of ESMAC, (Vienna, Austria, September 15 -17, 2011). Razeghi. M, **Yazdani. F**, Ebrahimi. S. A comparative evaluation of the effect of three different In-shoe orthotic appliances on the force applied to the knee extensor mechanism in flat footed subjects during stance phase of gait.

5. 18th annual general meeting of ESMAC, (Savoy place, London, UK, 17-19 September 2009). Ebrahimi. S, Razeghi. M, **Yazdani. F**, Farazdaghi. MR, Ghaem. H. The comparison of the force applied to the knee extensor mechanism between flat footed and normal subjects during stance phase of gait.

6. 18th annual general meeting of ESMAC, (Savoy place, London, UK, 17-19 September 2009). **Yazdani. F**, Razeghi. M, Ebrahimi. S, Farazdaghi. MR. The study of free moment in subjects with hyper-pronated feet.

7. 18th annual general meeting of ESMAC, (Savoy place, London, UK, 17-19 September 2009). Farazdaghi. MR, Razeghi. M, **Yazdani. F**, Ebrahimi. S. The correlation between lumbar lordosis and selected parameters of plantar pressure distribution pattern.

8. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). Ebrahimi. S, **Yazdani. F**, Farazdaghi. MR, Abbasnia. K. The effect of ultrasound on percutaneous absorption of topical Lidocaine gel

9. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). Farazdaghi. MR, **Yazdani. F**, Ebrahimi. S, Razeghi. M. The correlation between lumbar arch and plantar pressure foot criteria in normal and pronated foot subjects-pilot study.

10. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). **Yazdani. F**, Ebrahimi. S, Razeghi. M. Association between scale of knee pain and rear foot angle in the patients with patellofemoral pain syndrome.

11. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). Ebrahimi. S, **Yazdani. F**, Farazdaghi. MR, Abbasnia. K. Effect of Lidocaine phonophoresis with pulsed and continuous output on two point discrimination and touch sense thresholds.

12. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). **Yazdani. F**, Ebrahimi. S, Razeghi. M.
Correlation between quadriceps angle and rear foot angle in hyper-pronated foot subjects.

13. 5th world congress of International Society of Physical and Rehabilitation Medicine (ISPRM), (Istanbul, Turkey, 13-17 June 2009). **Yazdani. F**, Farazdaghi. MR, Ebrahimi. S,

Razeghi. M. Medial longitudinal arch taping in the treatment of anterior knee pain in patients with excessive subtalar pronation.

14. CSP congress 2008.(Manchester central convention center,England,17-18 october 2008)
Yazdani. F, Razeghi. M,Taghizadeh.SH. The relationship between excessive subtalar pronation and changes of Q-angle and effects of medial longitudinal arch taping on them.

15. 2nd international congress on E-Health. (Iran,Shiraz, 2013) Karimpour M, Rojhani S,
Yazdani F. Designing and implementing an android operating system based- EMG software for estimating muscle onset latency

16. 3rd national students congress on new horizons in rehabilitation sciences, (Iran, Shiraz 2014). Ebrahimi S, Razeghi M, **Yazdani F.** The correlation between knee extensor mechanism force and lower extremity free moment in patients with subtalar hyper pronation.

17. 3rd national students congress on new horizons in rehabilitation sciences, (Iran, Shiraz 2014). **Yazdani F,** Razeghi M, Ebrahimi S. The effects of medial longitudinal arch, heel and sole wedges on the free moment parameters during stance phase of gait in flat feet subjects.

18. 23rd Iran physiotherapy congress, (Iran, Shiraz 2012). **Yazdani F,** Ebrahimi S, Razeghi M. The effects of Medial Longitudinal Arch taping on the variables of free moment in the hyper-pronated foot subjects.

19. 23rd Iran physiotherapy congress, (Iran, Shiraz 2012). **Yazdani F,** Ebrahimi S, Razeghi M. The effects of Medial Longitudinal Arch Taping on the force applied to the knee extensor mechanism in the female flat-footed subjects.

Course Participations

Postgraduate

- Tissue biomechanics for Ph.D. students
- Motor control for Ph.D. students
- Advances physiology of cardiorespiratory system for Ph.D. students
- Biomechanics for Ph.D. students (ergonomy)
- Work biomechanics Ph.D. students
- Introduction to laboratory and research equipment in physiotherapy for M.Sc.
Physiotherapy (Motion analysis, force plate, biometrics, Isokinetic)
- Sports biomechanics for M.Sc. Physiotherapy (Theoretical and Practical)

- Sport injuries for M.Sc. Physiotherapy
- Surface EMG for M.Sc. Physiotherapy (Theoretical and Practical fields)
- Surface EMG for M.Sc. Sport physiotherapy (Theoretical and Practical fields)
- Laboratory & Research equipment in ergonomy for M.Sc. ergonomy
- Occupational Biomechanics in Ergonomics M.Sc. ergonomy

Undergraduates

- Orthotics and prosthetics
- Manual therapy (mobilization)
- Physiotherapy in Cardiopulmonary diseases (Theoretical and Practical fields)

Clinical practice tutoring in physiotherapy department

- Chamran hospital (Orthopaedic Field)
- School of Rehabilitation Sciences clinic (Neurological Field)
- School of Rehabilitation Sciences clinic (Orthopaedics Field)
- Elderly home charity (Geriatrics Field)

Membership & Associations

- Iranian Physiotherapy Association
- Iranian Medical Council

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)
- Open Circuit Spirometry (Jaeger Masterscope®).

- Visual 3D® and QTM® and Opensim for Movement analysis and computeraided data capturing and biomechanical simulation
- MEGA Win (ME6000)® for kinesiologic electromyography
- Neurowerk EEG® for electro encephalography
- Neurowerk EMG® for electromyography
- Biodex® Isokinetic Dynamometer
- Biodex® Balance System
- Biometrics® for electromyography, electro goniometry, accelerometer, footswitch
Motionlab® for electromyogr