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Minoo Khalkhali Zavieh

PhD in Physiotherapy

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Date of Completion: January 2023

Academic Affiliation

Department of physiotherapy , School of Rehabilitation,
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About Me

I received my PhD in 2006 and I was elected as the program manager of physical Therapy department for six years .I was assigned as the dean of School of Rehabilitation since 2014 until 2017. I have been supervisor of more than 40 post graduate students and assistant of about the same number of researches and more than 49 publications.

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Academic Educations

- *Bsc degree in physiotherapy from Tehran University of Medical Sciences, Tehran, Iran 1987.*
- *Msc degree in physiotherapy from Tarbiat Modarres University, Tehran, Iran 1991.*
- *PhD degree in physiotherapy from Tarbiat Modarres University, Tehran, Iran 2006.*
- ***Thesis Title***

Thesis Title (PhD): *Postural control and proprioception in postural hyperkyphotic subjects compared to healthy matched subjects. Supervisor: Mohammad Parnianpour.*

- ***Positions***

Associate professor, Dean of School of Rehabilitation, Shahid Beheshti University of Medical Sciences 2014-2016.

Head of Physiotherapy Department 2010 -2014, and 2018-2020.

- ***Clinical interests***

Neurologic rehabilitation, pediatric physiotherapy, postural disorders.

Publications

University Teaching Experience

Professional Experience

Theoretical courses

- 1. Proprioceptive Neuromuscular Facilitation*
- 2. Exercise therapy in Cerebral palsy*
- 3. Motor control*
- 4. Research methodology*

Clinical Instructor

- 1. Clinical Practicum: Pediatric physiotherapy.*

Congress, Conference, Seminar Presentations

- Presentations

1-Khalkhali Zavieh M, Fakhari Z. *The effect of interferential current on secondary Dysmenorrhea. First international congress of biomedical engineering and medical Physics, May 1991, Tabriz, Iran.*

2-Khalkhali Zavieh M, Eftekhar Hosseini A. *Muscle stretching using interferential Current. 3rd Iranian physiotherapy congress, May 1992, Tehran, Iran.*

3-Khalkhali Zavieh M, Eftekhar Hosseini A. *The effect of interferential current on Hamstring muscle length .2nd medical physics and 6th biomedical engineering Congress, May1993, Tabriz, Iran.*

4-Khalkhali Zavieh M, Eftekhar Hosseini A. *Designing and implementing a pelvic tiltMeter.4thIranian physiotherapy congress, May1993, Tehran, Iran.*

5-Dehghan Manshadi F, Khalkhali Zavieh M, Afshari F, Salari F. *Prevalence of spinal Deformities in high school students in Tehran.11th physiotherapy congress, May2000,Tehran, Iran.*

6-Khalkhali Zavieh M, Soltan Abhari E. *The effect of muscle contraction and abdominal pressure on pelvic tilt and lumbar Lordosis.4th world congress of low back And pelvic pain, Nov2001, Montrel, Canada.*

7-Khalkhali Zavieh M, Ettehad E. *The effect of high and low frequency vibration Appliedon tendon and muscle belly on grip force. Kuwait's first international physical Therapy conference, 19-21 Oct 2002, Kuwait.*

8-Dehghan F, Khalkhali Zavi M, Mehrabi Y. *School screening for scoliosis and Trunk asymmetries in high school students. Kuwait's first international physical Therapy conference, 19-21 Oct 2002Kuwait.*

9-Vasaghi GH B, Khalkhali Zavieh M, Jalali SH. *The effect of heel height on lumbar Lordosis of young healthy women.13th Iranian physiotherapy congress, May 2002, Tehran, Iran.*

10-Dehghan Manshadi F, Khalkhali Zavieh M. *Studying some background and Environmental factors on incidence of trunk and spinal deformities in high school Students in Tehran.14th Iranian physiotherapy congress, 12 -14 May 2003, Tehran, Iran.*

- 11-Khalkhali Zavieh M, Talebian Z, Abooi F. comparing the effects of open Kinematic chain, closed kinematic chain and balance exercises on healthy people's Knee joint proprioception. 14th Iranian physiotherapy congress, 12-14 May 2003, Tehran, Iran.
- 12-Khalkhali Zavieh M, Zarein B, Aghamohammadi S. Electromyographic study of Irradiation phenomenon from shoulder to hand muscles in D2 pattern in healthy Peoples. 14th Iranian physiotherapy congress, 12-14 May 2003, Tehran, Iran.
- 13-Dehghan Manshadi F, Khalkhali Zavieh M, Aghamohammadi S, Abdolhamidi J, Roohi F. The effect of different light wave lengths on muscle strength in healthy young Subjects. 2nd world congress of the international society of physical and rehabilitation Medicine, 18-22 May 2003, Prague, Czech Republic.
- 14-Khalkhali Zavieh M, Mirzaii F, Parandeh H, Forootan M. The effects of Stabilization exercises on Lumbosacral proprioception in healthy young women. 5th World congress of low back and pelvic pain, 10-13 Nov 2004, Melbourne, Australia.
- 15-Khalkhali Zavieh M, Sharbatoghli R, Amjadi S, Babaii GH. The effects of two Exercise methods (tilt board training and rhythmic stabilization exercises) on Lumbosacral proprioception in healthy young women. 5th world congress of low back And pelvic pain, 10-13 Nov 2004, Melbourne, Australia.
- 16-Khalkhali Zavieh M, Mirzaii Yazdi F, Parandeh H. The effect of lumbar stabilization Exercise on Lumbosacral proprioception in healthy young women. 1st international Physiotherapy and rehabilitation conference, 23-25 Feb 2004, Muscat, Oman.
- 17-Khalkhali Zavieh M, Parnianpour M, Karimi M, Mobini B, Kazemnejhad A. The Validity and reliability of measurement of thoracic Kyphosis using flexible ruler in Postural hyper-kyphotic patients. Emirates physiotherapy conference, 29 Apr-1 May 2006, Dubai, Emirates.
- 18-Khalkhali Zavieh M. The relationship between the endurance of trunk flexor and Extensor muscles and Lumbosacral proprioception. 6th world congress of low back and Pelvic pain, 10-13 Nov 2007, Barcelona, Spain

- *Printed papers:*

1-Eftekhar Hosseini A, Khalkhali Zavieh H. The design and implementation of two instruments for measuring pure hip flexion and pelvic tilt. Informative-Scientific journal of Shahed University 1994 first year, 4:48-51.

- 2-Manshadi FD, Zavieh MK, Mehrabi Y. Prevalence of scoliosis and trunk disorders in high school students (1998-2000), Tehran. *Rafsanjan Medical University Scientific Journal* 2003; 1(2): 143-150.
- 3-Khalkhali M, Ghasemi M, Talebian Z, Abouie M. Effects of balance and closed and opened chain exercises on proprioception error of knee in healthy females. *Research in medicine* 2004; 28(2):115-119
- 4-Khalkhali M, Parnianpour M, Karimi H, Mobini B, Kazemnejhad A. The validity and reliability of measurement of thoracic kyphosis using flexible ruler in postural hyperkyphotic patients. *Journal of Biomechanics* 2006; 39s, s541.
- 5-Khalkhali M, Parnianpour M, Karimi H, Mobini B, Kazemnejhad A. Studying the changes in postural stability and balance in postural hyperkyphotic patients compared with healthy subjects. *Gait & Posture* 28s (2008) s53-54.
- 6-Hayati M, Khalkhali M, Mohamadipanah T. Effect of electrical stimulation on abdominal local fat thickness in young healthy women. *Koomesh* 2011; 12 (440): 379-385.
- 7-Norouzi Larki A, Khalkhali M, Rahimi A, Naimi SS, Tabatabaie M. The effect of shoe-heel height on the static and dynamic postural stability in healthy young women. *Journal of School of Public Health and Institute of Public Health Research* 2011; 9(1):47-58.
- 8-Arami J, Rezasoltani A, Khalkhali M, Rahnama L. The effect of two exercise therapy programs (proprioceptive and endurance training) to treat patients with chronic non-specific neck pain. *Journal of Babol University of Medical Sciences* 2012; 14 (1), 77-84.
- 9-Yousefzadeh A, Khalkhali M, Khademi K, Rahimi A. Studying the knee joint proprioception in generalized joint hypermobility as compared to healthy subjects. *Research in Rehabilitation Medicine* 2012; 8(1):1-9.
- 10-Khalkhali M, Bazrafkan M, Khademi Kalantari K, Rezasoltani A. A Comparative Study of the Effect of Local and General Fatigue on Sense of Force in Healthy Young Men. *Rehabilitation Medicine* 2012; 1(3):22-28.
- 11-Arimi SA, Rezasoltani A, Sakhaei SY, Tabatabaie SM, Khalkhali M. Reliability of Ultrasonographic Measurement of Cervical Multifidus Muscle Dimensions during Isometric Contraction of Neck Muscles. *Rehabilitation Medicine* 2012; 1 (2):36-44.

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- 13-Rahnama L, Rezasoltani A, Khalkhali Z.M, Nouri K.F, Akbarzadeh B.A. The intra-rater reliability of isometric shoulder muscles strength measurement in different directions of shoulder movement in healthy subjects and patients with chronic neck pain. *Physical Treatments* 2013; 2(2):9-14.
- 14-Mohammadi M, Rezasoltani A, Khalkhali Zavieh M, Tabatabaee SM. A Study on the Effectiveness of Shoulder Strengthening Exercises on Thickness of the Neck Extensor Muscles. *The Scientific Journal of Rehabilitation Medicine* 2013 (1), 7-13.
- 15-Amiri Arimi S, Rezasoltani A, Sakhaei SY, Khalkhali M, Rahnama L. Symmetry of cervical multifidus muscle in females with chronic non-specific neck pain and healthy by ultrasonography. *Journal of Modern Rehabilitation* 2013; 7 (1), 13-20.
- 16-Rahimi A, Ghadirian F, RezaSoltani A, Zavieh MK. Relationship between the medial longitudinal arch and the thoracic and lumbar curvatures with the static and dynamic stability in obese females. *Rehabilitation Medicine* 2013; 1 (2):15-21.
- 17-Abedi S, Naeimi SS, Rahimi A, Zavieh MK, Shadmehr A. The Effects of Dual Task on Healthy Adults Balance Index in Age and Gender groups. *Rehabilitation Medicine* 2013; 1 (3): 29-34.
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- 37- Tayebeh Roghani, Minoo Khalkhali Zavieh, Saeed Talebian, Alireza Akbarzadeh Baghban, Wendy Katzman. *Back Muscle Function in Older Women With Age-Related Hyperkyphosis: A Comparative Study, J Manipulative Physiol Ther* 2019 May; 42(4):284-294.
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- 39-B. Amirshakeri, M. Khalkhali Zavieh, A. Rezasoltani, K. H. Khademi Kalantari, A. Akbarzadeh. *The effect of lower leg sensory impulses on the force sense of knee extensor muscles in healthy adults: The accuracy of sense-of-force studies. Journal of Bodywork and Movement Therapies* 2019 Oct; 23(4): 739-745.
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- Transcranial Direct Current Stimulation Approach. Iranian Red Crescent Medical Journal* 2019 August; 21(8):e90337.
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- 44- Parisa Arzani ,Minoo Khalkhali Zavieh-, Khosro Khademi-Kalantari-, Alireza Akbarzadeh Baghban: *Opportunities and barriers for telerehabilitation during Coronavirus outbreak, Med J Islam Repub Iran.* 2021 Aug 4; 35:100
- 45- Bahram Amirshakeri, Minoo Khalkhali Zavieh , Mandana Rezaei, Hakimeh Adigozali: *Measuring the force perception in knee flexor/ extensor muscles in patients with anterior cruciate ligament injury and healthy subjects .J Back Musculoskelet Rehabil .* 2022; 35(1):103-110.
- 46-Parisa Arzani ,Minoo Khalkhali Zavieh , Khosro Khademi-Kalantari , Alireza Akbarzadeh Baghban: *Arm proprioception in lateral epicondylalgia; a cross-sectional study. Immunopathol Persa,* 2022; 8(2):e22.
- 47-Fatemeh Keshavarzi, Fatemeh Azadinia, Saeed Talebian, Minoo Khalkhali Zavieh, Omid Rasouli. *Effect of a semi-rigid backpack type thoracolumbar orthosis on thoracic kyphosis angle and muscle performance in older adults with hyperkyphosis: a randomized controlled trial, Disabil Rehabil* 2022 Apr 22; 1-10.
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- 49- Arzani P, Khalkhali Zavieh M, Khademi Kalantar K, Azadi F, Naim P. *Tele-Physiotherapy in Iran: Perceived Challenges by Physiotherapists to Its Implementation in COVID19 Outbreak. Med J Islam Repub Iran* 2022; 36 (1):132-139

Languages

1. *Persian: Native Language.*
2. Turkish : Bilingual Proficiency. Fluent in Speaking, Listening, Reading and Writing.
3. English.

Hobbies

Gardening, travel, real cinema.

References

1. **Prof. Khosro Khademi-Kalantari.** Professor of Physiotherapy and Editor-in-Chief of “Scientific Journal of Medical Sciences”, Department of Physiotherapy. School of Rehabilitation. Shahid Beheshti University of Medical Sciences, Tehran, Iran
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2. **Dr. Sedigheh Sadat Naeimi.** Professor of Physiotherapy. Department of Physiotherapy. Vice- Dean in Research and Technology of School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran