

## ***Curriculum vitae***

- *Khosro Khademi-Kalantari*
- *Profession: PhD in Physiotherapy*
- *Academic status: Proffesor*
- *Address: Dep of Physiotherapy, School of Rehabilitation Sciences, Shahid Beheshti UN of Medical Sciences, Tehran Iran*
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### ***Education:***

- ***BSc in Physiotherapy, Tehran UN of Medical Sciences, 1993***
- ***MSc in Physiotherapy, Tehran UN of Medical Sciences, 1996***
- ***PhD in Physiotherapy, Glasgow University, 2002***

### ***Research:***

### ***Publications:***

1. *Khosro Khademi Kalantari, Rhonald H. Baxendale. The gain modulation of the heteronymous excitation of quadriceps with changes in position of the knee and hip joints in humans. PJMS 2007;23(5):805-808.*
2. *Sanaz Davarian, Khosro Khademi Kalantari, Asghar Rezasoltani, Abbas Rahimi. The effect and persistency of the botulinum toxin iontophoresis in treatment of palmar hyperhidrosis, Australasian Journal of Dermatology (2008) 49, 75–79.*

3. Z. Nakhaee, A. Rahimi, M. Abaee, A. Rezasoltani, Khosro Khademi Kalantari. *The relationship between the height of the medial longitudinal arch and the ankle and knee injuries in professional runners. The foot and ankle surgery* 2008, (2), 84-90.
4. Khosro Khademi Kalantari, Rhonald H. Baxendale. *The pattern of modulation of short latency reflex linking the pretibial muscles to the knee extensors during gait in human. PJMS* 2009; 25(1):31-35.
5. Asghar Rezasoltani, Ahmadipor Ali-Reza, Khademi-Kalantari Khosro, Rahimi Abbass. *Preliminary study of neck muscle size and strength measurements in females with chronic non-specific neck pain and healthy control subjects. Manual Therapy* 2010; 15: 400-403.
6. Khosro Khademi Kalantari, Afsane Zeinalzade, Farzad Kobarfard, Salam Nazary Moghadam. *The effect and persistency of 1% aluminum chloride hexahydrate iontophoresis in the treatment of primary palmar hyperhidrosis. Iranian journal of pharmaceutical research*, 2011, 10(3): 641-645
7. Khosro Khademi Kalantari, Ronald H Baxendale, Asghar Rezasoltani. *The Inhibition of short latency reflex linking the pretibial muscles to quadriceps motoneurons during stance to swing transition in humans. PJMS* 2011. 27(1): 162-166.
8. Asghar Rezasoltani, Alireza Ahmadipoor, Khosro Khademi-Kalantari and Khodabakhsh Javanshir. *The sign of unilateral neck semispinalis capitis muscle atrophy in patients with chronic non-specific neck pain. Journal of Back and Musculoskeletal Rehabilitation* 2012; 25(1): 67-72.
9. Bitva Vaseghi, Shapour Jaberzadeh, Khosro Khademi Kalantari, Sedigheh Sadat Naimi. *The impact of load and base of support on electromyographic onset in the shoulder muscle during push-up exercises. Journal of Bodywork and Movement Therapies. Available online July 2012.*
10. Maryam Abbaszadeh-Amirdehi, Khosro Khademi-Kalantari, Saeed Talebian, Asghar Rezasoltani, Mohammad Reza Hadian. *The effect of fatigue and velocity on the relative timing of hamstring activation in relation to quadriceps. Journal of Bodywork & Movement Therapies* 2012; 16(4): ۴۸۸-۴۹۲.

11. Kh. Khademi Kalantari (PhD), M. Abbaszadeh Amirdehi (MSc), S. Talebian Moghadam (PhD), M. Hadian (PhD). *The Effect of Fatigue, Velocity and Interaction of Them on the Inter-Muscular Coordination of Hamstring and Quadriceps Muscle* J Babol Univ Med Sci; ۲۰۰۹۱۱(۲):۶۶-۶۸.
12. Tahan N, Khademi Kalantari K, Kholghi Y, Amiri Z. *the correlation of the duration of flaccidity period and the intensity and location of disorders in patients with cerebrovascular accident* RJMS 2009 8(4): 287-294.
13. A. Zeinalzade (MSc PT), Kh. Khademi (PhD, PT), F. Kobarfard (PhD, MC), S. Nazary (MSc, PT). *The Comparison of Efficacy and Persistency of Aluminum Chloride Hexahydrate Iontophoresis with Topical Application of It in Primary Palmar Hyperhidrosis.* J Babol Univ Med Sci; ۲۰۱۰, ۱۱(۶); 26-32.
14. Hosseini SM, Rezaee M, Khademi KH, Azma K. *Evaluation of prevalence of LBP and its effects on lower limb amputees life referred to Helal Ahmar Rehabilitation Center.* JAUMS 2010, 8 (2): 92-97.
15. Bazrafshan A.R, Okhovatiyan F, Naeemi S.S, Soltani A.R, Khademi kalantari K, Ghorbani M, Lashgari R, Mehrabi N, Bagheri H To. *investigate the relationship between sensory receptors of index finger with leg muscles activity.* Modern Rehabilitation. 2010, ۴(2,3):1-9
16. Saniee F, Khademi Kalantari Kh, Yazdanpanah P, Rezasoltani A, Dabiri N, Ghafarian Shirazi HR. *The effect of microcurrents on facial wrinkles.* Journal of Jahrom University of Medical Sciences, 2012, 10(2): 9-15 .
17. Khosro Khademi Kalantari, Nasrin Davoodi. *A Survey Over The Effect Of Imaginary Exercises On Activation Of Shoulder Muscles.* Rehabilitation medicine 2012, 1(1) : 1-11.
18. Nahid Tahan, Amir Massoud Arab, Bitva Vaseghi, and Khosro Khademi. *Electromyography Evaluation of Abdominal Muscle Function With and Without Concomitant Pelvic Floor Muscle Contraction,* J Sport Rehabil. 2013 May;22(2):108-14.
19. Farideh Dehghan Manshadi, Khosro khademi Kalantari. *Ultrasonic thickness of lateral abdominal wall muscles in response to pelvic floor muscle contraction in stress urinary*

*incontinent women with and without chronic low back pain. Journal of Rehabilitation, 2013, in press.*

20. Khosro khademi Kalantari, Simin Brenji. *The effect of base of support stability on shoulder muscle activity during closed kinematic chain exercises. Journal of Bodywork & Movement Therapies (2014) 18, 233-238*
21. Somayeh Mahmoodi Aghdam, Khosro Khademi Kalantari, Ali Reza Akbarzadeh Baghban, Mehdi Rezayi, Abbas Rahimi , Sedigheh Sadat Naimee. *Effect of sustained traction on physical improvements of patients with severe knee osteoarthritis. Journal of Modern Rehabilitation, 2013;7(3); 24-32.*
22. Fatemeh Maleki Sedigheh Sadat Naimi, Khosro Khademi-Kalantari, Azadeh Shadmehr, Alireza Akbarzadeh Baghban *The Immediate Effects of Whole Body Vibration on Maximum Isometric Strength of Elbow Flexor Muscles in non-athletes and young Individuals. Journal of Rehabilitation Medicine, 2013; 2(1): 23- 33.*
23. Khademi-Kalantari Khosro, Somayeh MahmoodiAghdam, Alireza Akbarzadeh Baghban, Mehdi Rezayi, Abbas Rahimi, Sedighesadat naimee. *Effects of non-surgical joint distraction in the treatment of severe knee osteoarthritis. J bodywork and movement therapies. Article in Press, Available online 11 December 2013.*
24. Mino Khalkhali Zavieh, MirHamed Edalat-Haghi , Khosro Khademi-Kalantari , Abbas Rahimi , Mehdi Rezaee , Seyyed Mehdi Tabatabaee. *A comparative study of the effect of soft and hard cervical collars on static postural. The Scientific Journal of Rehabilitation Medicine. 1(4) 2013.*
25. Tahan N, Rasouli O, Arab AM, Khademi K, Samani EN *Reliability of the ultrasound measurements of abdominal muscles activity when activated with and without pelvic floor muscles contraction. J Back Musculoskelet Rehabil. 2013 Dec 20. [Epub ahead of print] DOI 10.3233/BMR-130453.*
26. *The Functional Abilities and Maximal Vertical Jumping Height in Coper and Non-coper Anterior Cruciate Ligament-Deficient Knee Subjects. Iranian Rehabilitation Journal. In press*
27. *Thickness measurement deep and superficial abdominal muscle at rest in normal subject. Journal of Ultrasound in medicine . in press*

28. Amin Norouzi Fashkhami, Abbas Rahimi, Khosro Khademi Kalantari. *The Voluntary Response Index (VRI) in Electromyographic study during Landing Test of the patient with ACL deficiency. A New Study Protoco. Iran Red Crescent Med Journal. @014, 16(5): e14119.*
29. *The Acute Effect of Static Stretching on Error of Angle Reconstruction of Knee Joint. Iranian Red Crescent Medical Journal. In press.*
30. Maryam Sohrabi, Khosro Khademi-Kalantari, Seyyed Majid Hosseini, Ali-Reza AkbarZadeh-Baghban, Mehdi Rezaee. *Comparison of the effects of shoe orthotics on the replacement of center of pressure in patients with severe medial compartment knee osteoarthritis. J Rehab Med 2013; 2(2): 24-31*
31. Seyyed Majid Hosseini, Mehdi Nikzad, Khosro Khademi-Kalantari, Alireza Akbarzadeh Baghban. *Immediate Effect of Massage and Mobilization of the Feet and Ankles on Balance in the Elderly Adults. J Rehab Med 2013; 2(1): 40-47*
32. Narjes Soltani, Abbas Rahimi,; Saeddighe-Sadat Naimi, Khosro Khademi Khademi; Hassan Saeedi. *Studying the Balance of the Coper and Non-Coper ACL-Deficient Knee Subjects. Asian Journal of Sports Medicine, Volume 5 (Number 2), June 2014, Pages: xx-xx*
33. *Ultrasonic Thickness of Lateral Abdominal Wall Muscles in Response to Pelvic Floor Muscle Contraction in women with stress incontineny with and without Chronic Low Back Pain \*Dehghan Manshadi F., Bazaz Behbehani R. , Khademi Kalantari Kh., Rahmani M, Eftekhar T. journal of Rehabilitation. 2014 14(3): 50-57.*
34. Fatemeh Panahi, Seyed Majid Hosseini, Khosro Khademi Kalantari, Alireza Akbarzadeh Baghban. *Immediate and short-term effect of hamstring static stretching on active mouth opening. Rehabilitation Medicine. 2014, 3( 2 ): 23-31.*

### *International congress attending:*

1. *Modulation of the low threshold reflexes in human lower limbs by changes in knee position, 3<sup>rd</sup> world congress in neurological rehabilitation. April 3-6 2002, Venice, Italy*

2. *Inhibition of Ib reflexes in quadriceps during gait in humans, XIV congress of the international society of electrophysiology and kinesiology, June 22-25 2002, Vienna, Austria*
3. *The feed forward effect from ankle dorsiflexors on the knee extensors during stance phase of gait in humans. 1<sup>st</sup> Emirate physiotherapy congress, 29 April- 1 May, 2006, Dubai*
4. *The pattern of changes in the strength of anterior forearm muscles following cold application. 1<sup>st</sup> Emirate physiotherapy congress, 2006, 29 April- 1 May, Dubai*
5. *The effect of increasing the instability of weight bearing surface on the activity of the periarticular shoulder muscles during close chain activities, 15<sup>th</sup> European Rheumatism and Arthritis Surgical Society, Barcelona, 6-8 June 2008.*
6. *The effect and persistency of the bolinum toxin iontophoresis in treatment of palmar hyperhidrosis. 17<sup>th</sup> EADV congress, 17-20 Sep 2008, Paris.*
7. *Iranian Physiotherapists' knowledge and practice about osteoporosis: A questionnaire survey. IOF World Congress on Osteoporosis December 3-7, 2008, Bangkok, Thailand.*
8. *The effect of weight bearing surface stability on the intensity of periarticular shoulder muscles activity during CKC exercises. International Society of Physical and Rehabilitation Medicine World Congress - Istanbul, Turkey - June 2009*
9. *The effect of fatigue, velocity and their interaction on the intermuscular coordination between hamstring and quadriceps muscles. International Society of Physical and Rehabilitation Medicine World Congress - Istanbul, Turkey - June 2009*
10. *The correlation between the duration of flaccidity period and the intensity and location of the disorder in patients with cerebro-vascular lesions. International Society of Physical and Rehabilitation Medicine World Congress - Istanbul, Turkey - June 2009*
11. *Effect and persistency of botulinum toxin iontophoresis in the treatment of palmar hyperhidrosis. International Society of Physical and Rehabilitation Medicine World Congress - Istanbul, Turkey - June 2009.*
12. *Acute effect of one-session of whole body vibration training on isokinetic strength of rotator cuff and shoulder proprioception. 16<sup>th</sup> international WCPT congress, 20-23 June 2011 Amsterdam, Holland.*

13. *Shoulder muscles activation during ascending and descending phases of pushup exercise with external load. 16<sup>th</sup> international WCPT congress, 20-23 June 2011 Amsterdam, Holland.*

***Book publication:***

***The Hip ; biomechanics and kinesiology, Nakhl Pub co ltd, Tehran, Iran***

***Executive experiences:***

- *Vice Chancellor for Education and Research, School of Rehabilitation Sciences, Shahid Beheshti UN of Medical Sciences*
- *Chief Editor of" journal of Rehabilitation Medicine"*
- *Program director of Physiotherapy department*
- *Scientific Member of physiotherapy board, Ministry of Health and Medical Education*

***Reviewer of Journals:***

- *Modern Rehabilitation*
- *Pajoohande*
- *Journal of Paramedical Sciences*
- *Rafsanjan Medical Journal*
- *Koomesh*
- *Journal of European Academy of Dermatology and Venereology (JEADV), 2011*
- *African Journal of Biotechnology, 2011*
- ***International Journal of Dermatology 2013***