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PhD in Physiotherapy

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About Me

I have been a member of physiotherapy department since its establishment in about 30 years ago. During this period I was involved in teaching different theoretical and practical courses to BSc, MSc and PhD Students and supervised more than 150 student projects.

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Department of Physiotherapy



Academic Educations

- BSc in physiotherapy from Tehran University 1983-1987
- MSc in physiotherapy from Tehran University of Medical Sciences 1988-1990
- PhD in physiotherapy from Glasgow University 1998-2002

Publications

- Published Articles

- 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.
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- 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; 2010,11(6); 26-32.
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- M Sadeghisani, KK Kalantari, M Satari Lumbopelvic-Hip Rhythm in People with Lumbar Flexion-with-Rotation Syndrome during Hip Internal Rotation.. *Medical Journal of the Islamic Republic of Iran*, 2023; 37: 58.
- B Norozian, S Arabi, SM Marashipour, KK Kalantari, AA Baghban, ... Recovery of Quadriceps Strength and Knee Function Using Adjuvant EMG-BF After Primary ACL Reconstruction *Journal of Lasers in Medical Sciences*, 2023; 14: e6.

- Published Books

Khosro Khademi-Kalantari. *The Hip, Kinesiology and Biomechanics*, 2003

Researches & Grants

- Evaluation of shoulder periarticular muscle activation during close kinematic chain exercises
- The effect and persistency of botox iontophoresis in patients with primary palmar hyperhidrosis

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- The correlation between the flaccidity duration and the location and severity of accident in patients with CVA
- Comparison the immediate effect of Neoprene and three point pressure orthosis on the reduction of pain and functional improvement in patients with medial knee OA
- The effect and persistency of AL-CL iontophoresis in patients with primary palmar hyperhidrosis.
- Effect of neuro-muscular re-education exercises on the periarticular shoulder muscles in patients with soulder instability
- Effect of short term whole body vibration on the isokinetic rotator cuff muscle strength and shoulder proprioception.
- The effect of external loading on the periarticular shoulder muscle activity during push up.
- The effect of microcurrent stimulation on facial wrinkles.
- The effect of mechanical distraction of knee joint in treatment of sever knee OA
- The effect of functional stretching in treatment of patients with spasticity.
- The effect of wole body vibration on the arthrogenic inhibition of quadriceps muscles in patients with knee OA
- The Effects of Functional Stretching Exercises on the Neural and Mechanical properties of the Spastic Medial Gastrocnemius Muscle in Different Periods in stroke patients
- he Acute Effect Of Common Proneal Nerve Electrical Stimulation On Maximum Capacity Of Quadriceps Activation In Patient with knee Osteoarthritis
- Ultrasonic evaluation of medial and lateral vastus muscles during SLR at different hip rotational position with concomitant ankle dorsiflexion contraction
- The effect of level of tension and the extent of coverage of kinesio tape on the knee extensor torque in healthy young people
- The effect of Tecar therapy on haematoma caused by hamstring muscle strain
- Comparison of ultrasonographical parameters of neck muscles and proprioception of craniocervical muscles in females with forward head posture and healthy females
- The effect of dual task on static balance in patients with forward head posture

Research Interests

- Biomechanics
- Motor control

Skills & Work Experiences

- Member of department of physiotherapy, School of Rehabilitation Shahid Beheshti University of Medical Sciences, Tehran, Iran. From 1390 until Now

University Teaching Experience

Professional Experience

- Electrotherapy 1,2
- Kinesiology and Biomechanics 1,2,3
- Manual therapy
- Sport physiology
- Patho-biomechanics

Clinical Instructor

- Electrotherapy
- Laboratory instruments
- Movement science
- Electromyography
- Clinical practice

Congress, Conference, Seminar Presentations

- Oral Presentations

- Modulation of the low threshold reflexes in human lower limbs by changes in knee position, 3rd world congress in neurological rehabilitation. April 3-6 2002, Venice, Italy
- 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
- The feed forward effect from ankle dorsiflexors on the knee extensors during stance phase of gait in humans. 1st Emirate physiotherapy congress, 29 April- 1 May, 2006, Dubai
- The pattern of changes in the strength of anterior forearm muscles following cold application. 1st Emirate physiotherapy congress, 2006, 29 April- 1 May, Dubai
- The effect of increasing the instability of weight bearing surface on the activity of the periarthicular shoulder muscles during close chain activities, 15th European Rheumatism and Arthritis Surgical Society, Barcelona, 6-8 June 2008.
- The effect and persistency of the bolunum toxin iontophoresis in treatment of pal;mar hyperhidrosis. 17th EADV congress, 17-20 Sep 2008, Paris.
- Iranian Physiotherapists' knowledge and practice about osteoporosis: A questionnaire survey. IOF World Congress on Osteoporosis December 3-7, 2008, Bangkok, Thailand.
- The effect of weight bearing surface stability on the intensity of periarthicular shoulder muscles activity during CKC exercises. International Society of Physical and Rehabilitation Medicine World Congress - Istanbul, Turkey - June 2009

- 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
- 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
- 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.
- Acute effect of one-session of whole body vibration training on isokinetic strength of rotator cuff and shoulder proprioception. 16th international WCPT congress, 20-23 June 2011 Amsterdam, Holland.
- Shoulder muscles activation during ascending and descending phases of pushup exercise with external load. 16th international WCPT congress, 20-23 June 2011 Amsterdam, Holland.
- Effect of functional stretching exercises on neural and mechanical properties of the spastic medial gastrocnemius muscle and functional outcome in patients with stroke. 2nd international congress of Iranian Physiotherapy Association. 9-11 May, 2018, Tehran, Iran.
-

Cooperation with Journals as Reviewer:

- Journal of European Academy of Dermatology and Venereology (JEADV),
- African Journal of Biotechnology,
- International Journal of Dermatology
- Journal of Back and Musculoskeletal Rehabilitation
- Scientific Journal of Rehabilitation Medicine
- Koomesh journal
- Teb Tazkiyeh journal
- The Scientific Pages of Sports Medicine
- BMJ Open Sport & Exercise Medicine

Executive Experiences

- Vice chancellor of education of School of rehabilitation 2009-2015
- Vice chancellor of research of School of rehabilitation 2016
- Program manager of physiotherapy department 2004-2009
- Vice president of physiotherapy association 2008
- Chief editor of “scientific journal of Rehabilitation Medicine”
- Member of Board of physiotherapy, Ministry of Health and medical education since 2008
- Member of basic sciences qualification committee since 2017

Basketball, Painting

Memberships

- Islamic Republic Of Iran Medical Council, 1998 until Now
- Member of physiotherapy association since 1990

Languages

1. Persian: Native Languages
2. English

References

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