# **CURRICULUM VITA**

### PERSONAL INFORMATION

Name: Nahid Rahmani Gender: Female Date & Place of Birth: ۲۶ Sept ۱۹۸۰, Iran Marital Status: Married Nationality: Iranian Mailing Address: Department of Physiotherapy, Pediatric Neurorehabilitation Research Center, University of Social Welfare and Rehabilitation Sciences, Evin, Tehran, Iran Tel: ۰۰۹۸ ۲۱ ۲۲۱۸۰۰۹۹ **E-Mail:** nahrah<sup>۲</sup>۰۰۰@yahoo.com

# **ACADEMIC QUALIFICATIONS**

**Bachelor of Science (BSc.) \*••\*:** Physiotherapy; Faculty of Rehabilitation Sciences, Shiraz University of Medical Sciences and health services, Shiraz, Iran.

Master of Science (MSc.) <sup>\*</sup> · · <sup>•</sup>: Physiotherapy; Department of Physical Therapy, University of Social Welfare and Rehabilitation Sciences, Evin, Tehran, Iran.

Assistant professor of Paediatrics Neuro-rehabilitation Research Centre ۲۰۱۰: University of Social Welfare and Rehabilitation Sciences, Evin, Tehran, Iran.

#### **PUBLICATIONS**

- 1) Khadijeh Kazemi, Nahid Rahmani, Fatemeh Rahimi, Majid Ravanbakhsh. The association between spinal column deformity and breathing function: A systematic review. Journal of Bodywork and Movement Therapies. Y.Y.; Y: YY-YA.
- Y) Alaleh Mohajeri, Nahid Rahmani, Farid Rezaei Moghadam, Ali Sheikhani. To investigate the effect of high power and low power laser on pain intensity, disability and range of motion of the knee of patients suffering from osteoarthritis. Archives of Rehabilitation. Y.Y..
- (<sup>\*</sup>) Farin Soleimani, Nadia Azari, Hesam Ghiasvand, Amin Shahrokhi, Nahid Rahmani, Shiva Fatollahierad. Do NICU developmental care improve cognitive and motor outcomes for preterm infants? A Systematic Review and Meta-analysis. BMC Pediatrics. <sup>Y</sup> · <sup>Y</sup> · <sup>Y</sup> · <sup>Y</sup>.
- ٤) Parsa M, Tanbakoosaz A, Rahmani N, Vahdat I. Biomechanical evaluation of the function of the exoped robotic exoskeleton in simulation of the gait movement. Acta Biologica Indica. Υ· ۱٩; ΥΛ-ΨΥ.
- •) ShahAli S, Arab A.M, Ebrahimi E, ShahAli S, Rahmani N, Negahban H, Kazemnejad A, Bahmani A. Ultrasound measurement of abdominal muscles during clinical isometric endurance tests in women with and without low back pain. Physiotherapy Theory and Practice. Y. 19; Yo (Y): 17.17A.
- <sup>1</sup>) **Rahmani N,** Mohseni-Bandpei MA, Salavati M, Vameghi R, Abdollahi I. Ultrasonography in the assessment of abdominal muscles thickness in children: A double

blinded reliability study. Journal of Bodywork and Movement Therapy. Y. M. (under review).

- V) Mahnaz Emami, Mohammad Ali Mohseni Bandpei, Nahid Rahmani, Akbar Biglarian, Mohammad Reza Taghipour. Association between trunk muscles characteristics with lower limb injuries: A systematic review. Physical Therapy in Sport. Y.VA; TY: T.V-T.V.
- A) Rahmani N, Mohseni-Bandpei MA, Salavati M, Vameghi R, Abdollahi I. Comparative Study of Abdominal Muscle Thickness on Ultrasonography in Healthy Adolescents and Patients with Low Back Pain. Ultrasound in Medicine Journal. Y. VA; TV: 9.0-917.
- Nahid Rahmani, Alireza Karimian, Mohammad Ali Mohseni-Bandpei. Reliability of sonography in the assessment of lumbar stabilizer muscles size in healthy subjects and patients with scoliosis. Journal of Bodywork and Movement Therapy. Y. M. (Published)
- ())Akram Shahbazi, Nahid Rahmani, Milad Abbasi, Reza Nabi Amjad, Hossein Marioryad, Alireza Khammar, Monir Alimohammadi, Mohsen Poursadeghiyan. Association Between Occupational Stress and Risk Factors of Cardiovascular Disease in Locomotive Operators. Iranian Heart Journal, Y. 14; 14 (Y).
- **NRahmani N,** Mohseni-Bandpei MA, Kiani A, Abdollahi I. A comparison of multifidus muscle cross sectional area between male adolescents with and without low back pain using sonography. Journal of Body Work and Movement Therapy. Y. 19; 1-0.
- **N**(**)**(**)**(**Rahmani N**, Mohseni-Bandpei MA, Salavati M, Vameghi R, Abdollahi I. Reliability of sonography in the assessment of abdominal muscles thickness in adolescents with low back pain compared with healthy adolescents. J Babol Univ med Sci. Y. NY.

- ۱۳) Rahmani N, Mohseni-Bandpei MA, Salavati M, Vameghi R, Abdollahi I. Normal values of abdominal muscles thickness in healthy children using ultrasonography. Manual Therapy Journal. ۲۰۱۷ (Published).
- >\\u00e9) Mohseni-Bandpei MA, Rahmani N, Faezeh Halimi, Muhammad Nazim Farooq. The prevalence of low back pain in Iranian dentists: An epidemiological study. Pak J Med Sci. \u00e7.\u00e7\u00e7.\u00e7.\u00e7.
- **Ne)Rahmani N,** Mohseni-Bandpei MA, Salavati M, Vameghi R, Abdollahi I. The investigation of symmetry of abdominal muscles thickness in healthy and low back pain adolescents using sonography. J Babol Univ Med Sci. Y. 17 (published)
- 17)Mahnaz Emami, Iraj Abdollahi, Nahid Rahmani, Mohammad Ali Mohseni-Bandpei, Tahereh Rezaeian, Sara Jambarsang. Association between Hamstring Muscle Strength and Strain in Athletes: A Systematic Review. J Mazandaran Univ Med Sci ۲۰۱٦. ۲٦(۱۳۷); ۲۳۰-۲٤٦.
- V)Ali Kiani, Mohammad Ali Mohseni-Bandpei, Nahid Rahmani, Iraj Abdollahi. Reliability of Measuring Lumbar Multifidus Muscle Size in Male Adolescents Using Ultrasonography. J Mazandaran Univ Med Sci 7.10.77 (170).
- **NA)Rahmani N,** Mohseni-Bandpei MA, Vameghi R, Salavati M, Abdollahi I. Application of ultrasonography in the assessment of skeletal muscles in children: A systematic review. Journal of Ultrasound in Medicine and Biology, Y. Yo. 21; YYVO-YYAF.

- Y•)A. Shadani, N. Rahmani, M.A. Mohseni-Bandpei, S.A. Bassampour. Evaluation of the Prevalence and Predisposing Factors of Spondylolysis and Spondylolisthesis: A Systematic Review of Previous Studies. J Babol Univ Med Sci; 1V(^); Aug Y•1°; PP: ••-1Y.
- Mohseni Bandpei MA, Rahmani N, Majdoleslam B, Abdollahi I, Shah Ali Sh, Ahmad A. Reliability of surface electromyography in the assessment of paraspinal muscles fatigue: A systematic review. Journal of Manipulative and Physiological Therapeutics, <sup>Y</sup> · <sup>Y</sup> : <sup>Y</sup> · <sup>Y</sup> · <sup>Y</sup> : <sup>Y</sup> · <sup>Y</sup> · <sup>Y</sup> : <sup>Y</sup> · <sup>Y</sup>
- YY) Rahmani N, Mohseni Bandpei MA, Abdollahi I. The eligibility of surface electromyography in the assessment of paraspinal muscles fatigue following interventions in patients with chronic low back pain: A systematic review, Journal of Rehabilitation, Y · YY; Y (T): Y (-YY)
- YY)Rahmani N, Amiri M, Mohseni-Bandpei MA, Mohsenifar H, Pourahmadi MR. Work related neck pain in Iranian dentists: An epidemiological study. Journal of Back and Musculoskeletal Rehabilitation. Y. YY; YY (1): 9-10.
- Y<sup>\$</sup>)Zandi S, Mohseni Bandpei MA, Rahmani N. Ultrasonographic Studies on Transverse Abdominis in Patients with Low Back Pain and Healthy Subjects: A systematic review. Medical Journal of Gorgan University of Medical Sciences. Y, Y; Y<sup>\$</sup> (<sup>\$</sup>): Y-A.
- Yo)Motallebi L, Mohseni Bandpei MA, Rahmani N. The effects of stabilization exercises on pain intensity, functional disability and cross sectional area of multifidus in patients with non-specific chronic low back pain. Medical Journal of Mazandaran University of Medical Sciences. Y. Y; YY (Y. ): YI-YA

- **Y**<sup>1</sup>)Rahmani N, Mohseni-Bandpei MA, Nodehi-Moghadam A. Eligibility of Magnetic Resonance Imaging Technique in Determining Articular Cartilage Lesions in Patients with Knee Osteoarthritis; A Systematic Review of the Literature. Journal of the Mazandaran University of Medical Sciences. Y. Y; YY (Supple Y): YYo-YEO
- Rahmani N, Mohseni-Bandpei MA. Application of perineometer in the assessment of pelvic floor muscles strength and endurance: a reliability study. Journal of Bodywork and Movement Therapies. Y. 11; 10 (Y): Y. 9-Y14.
- YA)Mohseni-Bandpei MA, Rahmani N, Behtash H, Karimloo M. The effect of pelvic floor muscle exercise on women with chronic non-specific low back pain. Journal of Bodywork and Movement Therapies. Y. 11; 10 (1): Yo-A1.
- Y<sup>4</sup>)Mohseni-Bandpei MA, Ahmad-Shirvani M, Fakhri M, Rahmani N. The effect of an exercise program and ergonomic advices in the treatment of pregnancy related low back pain: A randomised controlled clinical trial. Medical Journal of Mazandaran University of Medical Sciences. Y. Y.; Y. (YY): 9-1Y
- \*•)Amiri M, Mohseni Bandpei MA, Rahmani N. A comparison of pelvic floor muscle endurance and strength between patients with chronic low back pain and healthy subjects.
   Medical Journal of Mazandaran University of Medical Sciences. \*•••; \*•(\*^): \*-••

## **EDUCATIONAL ACTIVITIES:**

 Musculo-skeletal disorders" for PhD Students, January Y.Y. to July Y.Y., Pediatric neurorehabilitation research center, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.

- r) "Research method" for PhD Students, September r.iq to December r.iq, Pediatric neurorehabilitation research center, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.
- r) "Pediatrics & Gender Health Care in Physical Therapy" for DPT Students, February 1.11 to July 1.11, Department of Physiotherapy, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.
- Social Welfare and Rehabilitation Sciences, Tehran, Iran.
   "Orthopedics" for Students of Physiotherapy (1 Units), February 1.15 to July 1.15,
- Physiotherapy and Movement Therapy in Rehabilitation" for MSc students (\* Units), February \*. \*\* to July \*. \*\*, Department of Medical Engineering, Azad University of Sciences and Researches, Tehran, Iran.
- "Electrotherapy in Rehabilitation" for MSc students (\* Units), September \* \* \* \* to December
   \* \* \* \* Department of Medical Engineering, Azad University of Sciences and Researches, Tehran, Iran.
- v) "Electromyography" for PhD students (v Units), September v.v. to December v.v., Department of Physiotherapy, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.

- Clinical Training Course for Students of Physiotherapy" (A Units), February Y. IY to July
   Y. IY, Tavanyab Rehabilitation Center, Tehran, Iran.
- ۹) "Clinical Training Course for Students of Physiotherapy" (٤ Units), September ۲۰۱۳ to January ۲۰۱۳, Tavanyab Rehabilitation Center, Tehran, Iran.

#### SUPERVISORY RESEARCH ACTIVITIES

- 1) **1.1**<sup>A</sup>, Advisor, H. Rafsanjani (PhD Student in Physiotherapy)
- ۲) ۲۰۱۸, Advisor, A. Ravarian (PhD Student in Occupational Therapy)
- (7) Y. 14, Supervisor, G. Yasari (MSc Student in Medical Engineering)
- ٤) ۲۰۱۷-۲۰۱۹, Supervisor, A. Mohajeri (MSc Student in Medical Engineering)
- •) Y•1Y-Y•14, Supervisor, Mafi (MSc Student in Medical Engineering)
- 7) Y. IV-Y. 19, Supervisor, Araghi (MSc Student in Medical Engineering)
- V) Y. 19, Advisor, M. Parsa (MSc Student in Medical Engineering)
- A) Y. 17-Y. 19, Advisor, M. Emami (PhD Student in Physiotherapy).
- 1) T. M. Advisor, N. Naghdi (MSc Student in Physiotherapy).
- ۱۰) ۲۰۱٤-۱۶, Advisor, A. Shadani (MSc Student in Physiotherapy).
- 1)) ۲۰۱٤-۱٦, Advisor, A. Karimian (MSc Student in Physiotherapy).
- ۱۲) ۲۰۱٤-۱۶, Advisor, A. Kiani (MSc Student in Physiotherapy).

### ADMINISTRATIVES:

 Y.Yr, "Administrative Secretary for The Y<sup>th</sup> National and the Y<sup>st</sup> International Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. Yo-YY December Y.YF, Tehran, Iran.  Y) Y. 10-Y. 19, "General Director of Educational Committee/Council of Pediatric Neurorehabilitation Research Center".

### PRESENTATIONS AT CONGRESSES:

- Y.VA, The Second International and Y9<sup>th</sup> National Congress of Physiotherapy, Iranian Physiotherapy Association. Y.VA, Tehran, Iran.
- Υ···Υ, The First International and Υ<sup>Λ<sup>th</sup></sup> National Congress of Physiotherapy, Iranian Physiotherapy Association. Υ···Υ, Tehran, Iran.
- T. 17, The International Congress of Joint Replacement (ICJR). T. 17, Dubai.
- T. M., The Congress of Geriatric. T. M., Rasht, Iran.
- T. M., The International Congress of Pediatrics. T. M., Tehran, Iran
- TUT, The TVth Congress of Physiotherapy, Iranian Physiotherapy Association. TUT, Tehran, Iran.
- ۲۰۱٦, The ۱۹th annual Iranian congress of physical medicine, rehabilitation & electrodiagnosis. ۲۰۱٦, Tehran, Iran.
- τ.ι٦, "The ε<sup>th</sup> Seminar of Electrotherapy. Iranian Physiotherapy Association τ.ι٦, Tehran, Iran.
- Y.Yo, "The YY<sup>th</sup> Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. YY-YV December Y.Yo, Tehran, Iran.
- Y.Yr, "The YE<sup>th</sup> Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. YI-YV December Y.YY, Tehran, Iran.
- Y.YY, "The Y<sup>th</sup> Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. YY-YV December Y.YY, Tehran, Iran.

- Y.Y., The YY"<sup>rd</sup> Congress of Physiotherapy, Iranian Physiotherapy Association. May Y.Y., Shiraz, Iran.
- Y.W, "The YY<sup>th</sup> Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. YY-YY December Y.W, Tehran, Iran.
- Y.V., "The VV<sup>th</sup> Seminar of Specific Physical Therapy for the Spine. University of Social Welfare and Rehabilitation Sciences. YY-YY December Y.V., Tehran, Iran.
- Y.Y., "The YY<sup>st</sup> International Congress of Physiotherapy, Iranian Physiotherapy Association. May Y.Y., Tehran, Iran.

# **DEVELOPING STANDARDIZATION OF PRACTICE**

 Collection/Standardization of Constant Practice/Exercise Equipment: Standard Code: 1.٤٢٣-٤ and 1.٤٢٣-٥

# **RESEARCH PROJECTS**

Y · Y · - To investigate the life style factors between adolescents with and without low back pain. University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

 Y • Y •
 To compare the rehabilitation policies among high and middle income countries and Iran. University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

**\*·\^**- Early developmental interventions in lower motor neuron disorders in young children. University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

 \*• ۱٦- The reliability and validity of KOOS-CHILD questionnaire. University of Social

 Welfare and Rehabilitation Sciences-Tehran-Iran.

Y. Y. - The Effect of Pelvic Floor Muscle Exercise on Women with Chronic Non-Specific Low Back Pain. March Y. . 9, University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

 \*· ``- The Prevalence and Risk Factors of Neck Pain in Dentists. Feb ``.``-Student

 Research Committee, University of Social Welfare and Rehabilitation Sciences- Tehran 

 Iran.

 \*·\\- The Prevalence and Risk Factors of Low Back Pain in Dentists. Feb \*·\\-Student

 Research Committee, University of Social Welfare and Rehabilitation Sciences- Tehran 

 Iran.

 $\checkmark$ - Eligibility of Magnetic Resonance Imaging Technique in Determining Articular Cartilage Lesions in Patients with Knee Osteoarthritis; A Systematic Review of the Literature Feb  $\checkmark$ · $\checkmark$ -Stdent Research Committee, University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

 $\checkmark$ .  $\checkmark$ - Changes in paraspinal muscle fatigue following intervention in patients with chronic low back pain using surface electromyography: A systematic review of the Literature Feb  $\checkmark$ .  $\checkmark$ -Stdent Research Committee, University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

 $\Upsilon$ ·  $\Upsilon$ - Reliability of surface electromyography in the assessment of paraspinal musclesfatigue: A systematic review of the Literature Feb  $\Upsilon$ ·  $\Upsilon$ -Stdent Research Committee,University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

Y. M. To investigate the reliability and validity of KOOS-CHILD questionnaire. Y. M. Pediatric Neurorehabilitation Research Center, University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

Y. M- To investigate the association between abdominal muscles size and factors related to quality of life in adolescents with low back pain- Y. M- Pediatric Neurorehabilitation Research Center, University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

### **BOOKS**

- Nahid Rahmani, Zahra Nobakht, Masood Gharib, Roshanak Vameghi, et al. Early developmental interventions in lower motor neuron disorders in young children. University of Social Welfare and Rehabilitation Sciences Publications Institute, Y.Y., Tehran, Iran.
- Y. Pourahmadi MR, Mohseni Bandpei MA, Mohsenifar H, Rahmani N. Physiotherapy in the Temporomandibular Joint Disorders: The Biomechanics and Manual Therapy Approach. Ghalam-e-Elm Publications Institute, Y. YY, Tehran Iran.

### WORKSHOP SPEAKER

- 1. T. IT- "APS Therapy" Latest Developments in Electrotherapy Seminar, Tehran, Iran
- Y. Y. Y. "APS Therapy" Isfahan Physiotherapy Association, Isfahan, Iran
- ۳. ۲۰۱۳- "APS Therapy" ۲٤<sup>th</sup> Physiotherapy Congress, Tehran, Iran
- 2. Y. IV- "APS Therapy" Ahvaz Physiotherapy Association, Ahvaz, Iran
- •. \*• 1\*- "APS Therapy" Gilan Physiotherapy Association, Rasht, Iran
- 7. Y. Y. "APS Therapy" Yazd Physiotherapy Association, Yazd, Iran

### WORKSHOP ATTENDANCE

- 1. To Diagnosis and manual therapy of lumbo-pelvic disorders" Tehran-Iran.
- <sup>\*</sup>.
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- <sup>\*</sup>.
   <sup>\*</sup>.
- \*. \*. \*\*- "Authorship & Title in Scientific Paper" University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.
- •. **\***•**11-** "SPSS" University of Social Welfare and Rehabilitation Sciences- Tehran-Iran.

## JOURNAL REVIEWER

**Journal of Rehabilitation,** University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

Medical Journal of Mazandaran University of Medical Sciences, Mazandaran University of Medical Sciences- Sari-Mazandaran-Iran.

**Medical Journal of Babol University of Medical Sciences,** Babol University of Medical Sciences- Babol-Iran.

**Iranian Rehabilitation Journal,** University of Social Welfare and Rehabilitation Sciences-Tehran-Iran. **Physical Treatments Journal,** University of Social Welfare and Rehabilitation Sciences-Tehran-Iran.

### WORK EXPERIENCES

**Clinical Experience**: March Y. Y. Onwards- Perspolis Volleyball Team, Physiotherapy Centre, Enghelab Sport Complexity- Tehran-Iran.

**Clinical Experience**: March ۲۰۰۹- Onwards- Physiotherapy Clinic, No ۱۸٤, Mirdamad-Tehran-Iran.

**Clinical Experience**: Jan ۲۰۰۸- March ۲۰۰۹- Behrad Physiotherapy Clinic, Ashrafi Esfahani Blvd.- Tehran-Iran.

### **<u>REFREES</u>**

#### 1. Prof. Mohammad A Mohseni-Bandpei

Professor, Department of Physiotherapy, University of Social Welfare and Rehabilitation Sciences, Evin, Tehran, Iran.

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#### <sup>Y</sup>. Prof. Roshanak Vameghi

Professor, Pediatrci Neurorehabilitation Research Center, University of Social Welfare and Rehabilitation Sciences, Evin, Tehran, Iran.

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