

# CURRICULUM VITAE

## Personal

Name: Gi-Young Park, M.D., Ph. D.  
Age and Sex: 51/Male  
Date of Birth: July 21, 1964  
Place of Birth: Daegu, Korea  
Marital Status: Married  
Citizenship: Korea (Republic of Korea)  
Languages: Korean and English

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## Education

Feb. 1989 M.D.(Medicine), Yonsei University College of Medicine, Seoul, Korea

Aug. 1993 M.S.(Rehabilitation Medicine), Yonsei University Postgraduate School of Medicine,  
Seoul, Korea

Feb. 1998 Ph.D.(Physiology), Yonsei University Postgraduate School of Medicine, Seoul,  
Korea

## Postgraduate Training

Mar. 1989 – Feb. 1990 Rotating Internship, Yonsei University Severance Hospital, Seoul, Korea

Mar. 1990 – Feb. 1994 Residency, Department of Rehabilitation Medicine , Yonsei  
University Severance Hospital, Seoul, Korea

## **Positions Held & Faculty Appointment**

- Mar. 1994 – Apr. 1997 Director, Department of Rehabilitation Medicine, Samyook Rehabilitation Hospital, Kyungkee-do, Korea
- May 1997 – Feb. 1998 Clinical Fellow, Department of Rehabilitation Medicine, Yonsei University Severance Hospital, Seoul, Korea
- Mar. 1998 – Feb. 2000 Full-time Lecturer, Department of Rehabilitation Medicine, Keimyung University School of Medicine, Daegu, Korea
- Mar. 2000 – Feb. 2004 Assistant Professor, Department of Rehabilitation Medicine, Keimyung University School of Medicine, Daegu, Korea
- Mar. 2004 – Aug. 2007 Associate Professor, Department of Rehabilitation Medicine, Keimyung University School of Medicine, Daegu, Korea
- June 1998 – Aug. 2007 Chairperson of Department of Rehabilitation Medicine, Keimyung University School of Medicine, Daegu, Korea
- Sep. 2007 – Feb.2010 Chair & Associate Professor of Department of Rehabilitation Medicine, Catholic University of Daegu School of Medicine, Daegu, Korea
- May. 2008 – Director of Daegu East-West Medical Center, Daegu Catholic University Medical Center
- Nov. 2003 – Mar. 2006 President of Korean Society of Musculoskeletal Medicine
- Oct. 2004 – Oct. 2006 Director of Korean Academy of Rehabilitation Medicine
- Sep. 2006 – Aug. 2008 Visiting Scholar at Department of PM&R, Program on Integrative Medicine in UNC hospital at Chapel Hill, and Department of Exercise & Sport Science
- Sep. 2008 - Director of Korean Association of Pain Medicine
- Jan. 2009-Jan.2013 President of Daegu-Kyungpuk Branch of Korean Academy of Rehabilitation Medicine
- Apr. 2009 - Director of Korean Academy of Neuromusculoskeletal Sonography
- Sept. 2009 - President of Korean Society of Musculoskeletal Medicine
- Mar. 2010- Chair & Professor of Department of Rehabilitation Medicine, Catholic University of Daegu School of Medicine, Daegu, Korea
- Oct. 2010- Oct. 2012 Director of Korean Academy of Rehabilitation Medicine

Jan. 2015- Vice Dean (research) of Catholic University of Daegu School of  
Medicine

### **Licensure and Certification**

Licensed to Practice Medicine in Korea, 1989

Korean Board of Rehabilitation Medicine, 1994

Korean Board of Clinical Geriatrics, 2000

Korean Board of Electrodiagnostic Medicine, 2008

Korean Board of Sports Medicine, 2009

Korean Board of Ultrasound Medicine, 2012

Korean Education Board of Ultrasound Medicine, 2012

### **Academic Activity**

Member of American Academy of Physical Medicine and Rehabilitation

Member of International Society of Physical Medicine and Rehabilitation

Member of Society of Acupuncture Research

Member of Korean Academy of Rehabilitation Medicine

Member of Korean Society of Ultrasound in Medicine

Member of Korean Academy of Neuromusculoskeletal Sonography

Member of Korean Society of Musculoskeletal Medicine

Member of Korean Stroke Society

Member of Korean Society for Neurorehabilitation

Member of Korean Association of Pain Medicine

Member of Korean Association of EMG, Electrodiagnostic Medicine

Member of Korean Dementia Association

Member of the Korean Society of Sports Medicine

## **Major Fields of Study and Clinical Practice**

Neuromusculoskeletal Pain and Ultrasound

Stroke Rehabilitation

Neuromusculoskeletal Rehabilitation

Rheumatism Rehabilitation

Pain Rehabilitation

Integrative Medicine (Alternative and Complementary Medicine)

## **Published Papers**

Park GY, Kwon DR, Park JH. Diagnostic confidence of sonoelastography as adjunct to greyscale ultrasonography in lateral elbow tendinopathy. *Chin Med J* 2014;127: 30110-5

Park GY, Kwon DR. Platelet-rich plasma limits the nerve injury caused by 10% dextrose in the rabbit median nerve. *Muscle & Nerve*. 2014;49:56-60.

Park GY, Kwon DR. Efficacy of microcurrent therapy in infants with congenital muscular torticollis involving the entire sternocleidomastoid muscle: A randomised placebo-controlled trial. *Clin Rehabil*. 2014; 28:983-991

Kim JK, Kwon Dr, Park GY. A New Ultrasound Method for Assessment of Head Shape Change in Infants With Plagiocephaly. *Ann Rehabil Med* 2014;38:541-7

Lee WY, Park GY, Kwon DR. Comparison of Treatment Effects Between Children With Spastic Cerebral Palsy Under and Over Five Years After Botulinum Toxin Type A Injection. *Ann Rehabil Med* 2014;38:200-5

Kim TH, Park GY, Shin SY, Kwon DR etc. Pharmacokinetic Alteration of Baclofen by Multiple Oral Administration of Herbal Medicines in Rats Evidence-Based Complementary and Alternative Medicine. 2014;1-9

Park GY, Kwon DR, Kim JK. Subpectoral Abscess with Anterior Chest Pain Caused by *Staphylococcus aureus*. *Am J Phys Med Rehabil*. 2014;93:456-7

Baek KM, Kwon Dr, Park GY. Study of the Effects of Sa-am Acupuncture on Upper Limb

Spasticity in Patients with Chronic Post-stroke Hemiparesis using Real-time Sonoelastography. *Korean J. Orient. Int. Med.* 2014;35:1-11

Kim TH, Shin S, Shin JC, Choi JH, Seo WS, Park GY, Kwon DR, Yoo SD, Lee AR, Joo SH, Min BS, Yoo WY, Shin BS. Liquid chromatography-tandem mass spectrometry determination of baclofen in various biological samples and application to a pharmacokinetic study. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2013;938C:43-50.

Park GY, Kwon DR. Difference in Ankle Ligaments between the Affected and Unaffected Legs in Children with Hemiplegic Spastic Cerebral Palsy. *J Ultrasound Med* 2013;32: 313-7

Rha DW, Park GY, Kim YK, Kim MT, Lee SC. Comparison of the therapeutic effects of ultrasound-guided platelet-rich plasma injection and dry needling in rotator cuff disease: a randomized controlled trial. *Clin Rehabil.* 2013;27:113-22

Wu CH, Chen WS, Park GY, Wang TG, Lew HL. Musculoskeletal sonoelastography: A focused review of its diagnostic applications for evaluating tendons and fascia. *Journal of Ultrasound Medicine.* 2012;20:79-86

Seok JI, Lee DK, Park GY. Characteristics of Carpal Tunnel Syndrome Affecting Exclusively or Mainly the Non-Dominant Hand. *Korean J Clin Neurophysiol* 2012;14:68~70

Park GY, Kwon DR, Lee SU. The Effects of Intra-articular Platelet-Rich Plasma Injection According to the Severity of Collagenase-Induced Knee Osteoarthritis in a Rabbit Model. *Ann Rehabil Med* 2012; 36: 458-65

Park GY, Kwon DR. Sonoelastographic evaluation of medial gastrocnemius muscles intrinsic stiffness after rehabilitation therapy with botulinum toxin A injection in spastic cerebral pals. *Arch Phys Med Rehabil* 2012; 93: 2085-2089

Kwon DR, Park GY, Kwon JG. The Change of Intrinsic Stiffness in Gastrocnemius after Intensive Rehabilitation with Botulinum Toxin A Injection in Spastic Diplegic Cerebral Palsy. *Ann Rehabil Med* 2012; 36:400-3.

Kwon DR, Park GY, Lee SU, Jung IB. Dynamic Sonoelastographic Findings of Medial Gastrocnemius in Children with Spastic Cerebral Palsy. *Radiology* 2012; 263:794-801

Kwon DR, Park GY. Diagnostic value of real-time sonoelastography in congenital muscular torticollis. *J Ultrasound Med* 2012; 31:727-31

Park HW, Lee WY, Park GY, Kwon DR, Lee ZI, Cho YW, Ahn SH, Lee DK. Salivagram after gland injection of botulinum neurotoxin a in patients with cerebral infarction and cerebral palsy. *PM R.* 2012;4:312-6

Jo JR, Park JS, Park YK, Chae YZ, Lee GH, Park GY, Jang BC. Pinus densiflora leaf essential oil induces apoptosis via ROS generation and activation of caspases in YD-8 human oral cancer cells. *Int J Oncol.* 2012;40:1238-45

Hong H, Park YK, Park JW, Lee J, Hong JE, Park GY, Jang BC. BAI, a 3-aminoindazole derivative, inhibits interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in A549 human airway cells. *Int J Mol Med.* 2012;29:454-60.

Jung CW, Jo JR, Lee SH, Park YK, Jung NK, Song DK, Bae J, Nam KY, Ha JS, Park IS, Park GY, Jang BC, Park JW. Anti-cancer properties of glucosamine-hydrochloride in YD-8 human oral cancer cells: Induction of the caspase-dependent apoptosis and down-regulation of HIF-1 $\alpha$ . *Toxicol In Vitro.* 2012;26:42-50

Park GY, Kwon DR. Application of real-time sonoelastography in musculoskeletal diseases related to physical medicine and rehabilitation: an invited review. *Am J Phy Med Rehab* 2011;90:875-86

Sung S, Park Y, Jo JR, Jung NK, Song DK, Bae J, Keum DY, Kim JB, Park GY, Jang BC, Park JW. Overexpression of cyclooxygenase-2 in NCI-H292 human alveolar epithelial carcinoma cells: roles of p38 MAPK, ERK-1/2, and PI3K/PKB signaling proteins. *J Cell Biochem.* 2011 ;112:3015-24.

Park GY, Kim SK, Park JH. A case of median nerve injury after carpal tunnel injection serially followed by ultrasonographic, sonoelastographic, and electrodiagnostic studies. *Am J Phy Med Rehab* 2011;90:336-41.

Shin HJ, Choi MS, Ryoo NH, Nam KY, Park GY, Bae JH, Suh SI, Baek WK, Park JW, Jang BC. Manganese-mediated up-regulation of HIF-1 $\alpha$  protein in Hep2 human laryngeal epithelial cells via activation of the family of MAPKs. *Toxicol In Vitro.* 2010;24:1208-14

Park IS, Jo JR, Hong H, Nam KY, Kim JB, Hwang SH, Choi MS, Ryu NH, Jang HJ, Lee SH, Kim CS, Kwon TG, Park GY, Park JW, Jang BC. Aspirin induces apoptosis in YD-8 human oral squamous carcinoma cells through activation of caspases, down-regulation of Mcl-1, and inactivation of ERK-1/2 and AKT. *Toxicol In Vitro.* 2010;24:713-20

Park GY, Park HW, Kwon DR, Choe JY, Kwon JG, Kang IS, Lee SU. Extensive necrotizing

fasciitis –a case report- J Korean Assoc Pain Med 2010;9:32-5

Park GY. Office management of low back pain (diagnosis and treatment). J Korean Assoc Pain Med 2010;9:63-7

Kang IS, Kwon JG, Lee SU, Lee ZI, Park GY, Park HW. Detection of Saliva Aspiration Using Salivagram in Bedridden Patients with Brain Lesion. J Korean Acad Rehab Med 2010; 34: 503-7

Park GY, Park JH, Bae JH. Structural Changes in the Acromioclavicular Joint Measured by Ultrasonography During Provocative Tests. Clinical Anatomy 2009; 22:2580-85

Hong H, Park YK, Choi MS, Ryu NH, Song DK, Suh SI, Nam KY, Park GY, Jang BC. Differential down-regulation of COX-2 and MMP-13 in human skin fibroblasts by glucosamine-hydrochloride. J Dermatol Sci 2009;56:43-50

Jang BC, Park JG, Song DK, Baek WK, Yoo SK, Jung KH, Park GY, Lee TY, Suh SI. Sanguinarine induces apoptosis in A549 human lung cancer cells primarily via cellular glutathione depletion. Toxicol In Vitro. 2009;23:281-7

Park GY. Role of Ultrasound in Acupuncture. J Korean Orthop US Soc 2009;2:94-9

Park GY. Ultrasonographic Findings of the Hip Disorders J Korean Assoc Pain Med 2009;8: 96-102

Park GY. Ultrasound of the Elbow. J Korean Assoc Pain Med 2008;7:90-6

Park GY, Cho JH, Lee SY, Bae JH, Sohn CH, Sohn SI. Hand Function and Diffusion Tensor Imaging according to Response of Evoked Potentials in Post-stroke Hemiplegic Patients. J Korean Acad Rehab Med 2008;32:182-8

Park GY, Lee SM, Lee MY. Diagnostic Value of Ultrasonography for Clinical Medial Epicondylitis. Arch Phys Med Rehabil 2008;89:738-42

Park GY, Bae JH, Lee SY, Oh JS, Lim JG, Son DG. Ultrasonographic Findings of Mild and Very Mild Carpal Tunnel Syndrome. J Korean Acad Rehab Med 2008;32:67-72

Park GY, Kim JM, Lee SM, Lee MY. The Value of Ultrasonography in the Detection of Meniscal Tears Diagnosed by Magnetic Resonance Imaging. Am J Phy Med Rehab 2008;87:14-20

Jang BH, Yoon TS, Park GY, Lee SY, Bae HS. Comparison of Exercise Indexes between Knee Extension-Flexion Exercise and Treadmill Exercise. *J Korean Acad Rehab Med* 2007; 31: 541-6

Jang BC, Sung SH, Park JG, Park JW, Bae JH, Shin DH, Park GY, Han SB, Suh SI. Glucosamine-hydrochloride specifically inhibits cox-2 by preventing cox-2 N-glycosylation and by increasing cox-2 protein turnover in a proteasome-dependent manner. *J Biol Chem* 2007;282:27622-32

Park GY, Kim JM, Shin YH, Sohn SI, Lee MY. Ultrasonographic Measurement of Shoulder Subluxation in Patients with Post-Stroke Hemiplegia. *J Rehab Med* 2007;39:526-30

Park GY, Oh JS, Lee SY, Bae JH. Effect of Rehabilitation in a man with Wernicke-Korsakoff Syndrome. *Keimyung Med J* 2007;26:43-8

Park GY. Ultrasound in the Diagnosis of Carpal Tunnel Syndrome. *J Korean Asso Pain Med* 2006;5:81-5

Park GY, Cho JH, Lee SM. Comparison of Ultrasonographic and Arthrographic Findings according to the Severity of the Rotator Cuff Tear. *J Korean Acad Rehab Med* 2006;30:362-7

Park GY, Bae JH, Lee SY, Lee SM, Song KS. Common Peroneal Nerve Palsy Caused by an Intraneural Ganglion -A case report- *J Korean Acad Rehab Med* 2006;30:289-94

Kim GH, Song DK, Cho CH, Bae JH, Kim DK, Park GY, Suh SI, Jang BC, Lim JG. Muscular cell proliferative and protective effects of N-acetylcysteine by modulating activity of extracellular signal-regulated protein kinase. *Life Sciences* 2006;79:622-8

Park GY, Kim YH, Lee SM. Clinical Significance of Magnetic Resonance Image Findings according to the Lumbar Spine Instability of Patients with Lower Back Pain *J Korean Acad Rehab Med* 2006;30:40-4

Park GY. Injection Therapy for Elbow, Wrist, and Hand Pain. *J Korean Asso Pain Med* 2005;4:160-4

Cho HC, Son EI, Lee SY, Park GY, Shon CH, Yim MB. Analysis of Corticospinal Tract Injury by Using the Diffusion Tensor Imaging of 3.0 T Magnetic Resonance in Patients with Hypertensive Intracerebral hemorrhage *J Korean Neurosurg Soc* 2005;38:331-7



Park GY, Kim YH, Lee SM, Lee SY. Associated Sonographic Findings According to the Type and Severity of Rotator Cuff tear. J Korean Acad Rehab Med 2005;29:291-6

Park GY, Lee IH, Lee SY, Kim YH, Shon CH. Somatosensory Cortical Reorganization on Neuropathic Pain in Thalamic Post-Stroke Patients. Keimyung Med J 2004;23:85-95

Park GY, Kim JM, Lee SM. The Ultrasonographic and Electrodiagnostic Findings of Ulnar Neuropathy at the Elbow. Arch Phys Med Rehabil 2004;85:1000-5

Park GY. Diagnosis and Rehabilitation Treatment in Adhesive Capsulitis of the Shoulder. J Korean Med Asso 2004;47:1099-106

Park GY, Cho JH, Lee SY. Lumbar Spinal Stenosis Induced by Epidural Lipomatosis: A case report. J Korean Acad Rehab Med 2004;28: 618-21

Park GY, Kim YH. Comparison of Motor Function between Old and Young Age Group after the Rehabilitation Management in Stroke Patients. J Korean Acad Rehab Med 2004;28: 418-21

Park GY, Ro HJ, Lee SY, Lim JG, Paik SK, Chang YM, Lee J. The Correlation of Motor Impairment and Fractional Anisotropy in Diffusion Tensor Imaging in Post-stroke Hemiplegic Patients.. J Korean Acad Rehab Med 2004;28:122-5

Park GY, Ro HJ, Kim JM. The Changes after Alcohol Neurolysis of the Tibial Nerve Motor Branches to Gastrocnemius Muscles in Poststroke Patients. J Korean Acad Rehab Med 2003;27: 545-50

Bae KJ, Park GY, Park ES, Lee SY. The Present Condition and Problem of the Grading Guide for Disability after Stroke. J Korean Acad Rehab Med 2003;27:329-34

Park GY, Kim JM. Clinical and Electrodiagnostic Findings of Failed Back Surgery Syndrome. J Korean Acad Rehab Med 2003;27:388-93

Park GY, Lee SY, Kang CH. Psychological Characteristics of the Patients with Low Back Pain by Traffic and Industrial Accidents. J Korean Acad Rehab Med 2003;27:394-8

Park GY, Kim JM. Spontaneous Spinal Epidural Hematoma -Two cases reports-. J Korean Acad Rehab Med 2003;27:451-4

Park GY, Kim HR, Lee SM. The Usefulness of Ultrasonographic Evaluation in the Tendinitis. J Korean Acad Rehab Med 2003;27:245-9

Park GY, Kim JM, Lee SD, Jung DK, Lee IK. The Bone Mineral Densities in Patients with Hemiplegic Stroke. J Korean Acad Rehab Med 2003;27:13-20

Park GY, Seo HJ, Ro HJ, Yi TI, Kim JS, Yim MB. Intramedullary Cavernous Hemangioma as a Cause of Paraplegia. J Korean Acad Rehab Med 2002;26: 815-8

Park GY, Hwang SE. Bone Mineral Density of Upper Limbs in Patients with Adhesive Capsulitis of the Shoulder. J Korean Acad Rehab Med 2002;26:327-31

Park GY, Kim HR, Kum JM, Lee SY. Neurophysiological Changes after Botulinum Toxin A Injection in Normal Adults. J Korean Acad Rehab Med 2002;26:55-60

Park GY, Lee SY, Lee SD, Shon CH, Han BS. Functional MRI in the Recovery of Hand Movement after Subcortical Stroke. J Korean Acad Rehab Med 2001;25: 907-15

Park GY, Hwang SE, Chang EJ, Jung CH. The Emotional Problem and Its Relation to Lesion Location in Stroke Patient. J Korean Acad Rehab Med 2001;25: 751-7

Park GY, Kim HR, Lee SM. A Case of Specific Arthritis of the Acromioclavicular Joint Associated with Acupuncture. Korean J Sports Med 2001;19:185-90

Park GY, Kim HR, Lee SM. The Usefulness of Ultrasonographic Evaluation in the Musculoskeletal Disease. J Korean Acad Rehab Med 2000;24:1142-7

Park GY, Hwang SE. Comparison of Intraarticular Steroid Injection with and without Capsular Distension in Adhesive Capsulitis of the Shoulder. J Korean Acad Rehab Med 2000; 24:1174-9

Park GY, Lee SY. The Association between Pain Drawings and Electrodiagnostic Findings in Low Back Pain. J Korean Acad Rehab Med 2000;24:988-94

Kwon SC, Park GY, Ahn DS, Lee YH, Knag BS. The Effect of NO Donor on Contraction, Cytosolic Ca<sup>2+</sup> Level and Ionic Currents in Guinea-pig Heat Smooth Muscle. Korean J Physiol Pharmacol 2000;4:33-40

Lee JK, Lim OK, Lim YM, Ha TH, Choi MR, Kim DH, Yi TI, Park GY. Sternocleidomastoid

- Tendon Reflex in Normal Korean Adults. J Korean Acad Rehab Med 1999;23:1207-12
- Park GY, Lee SY, Kim HR. Congenital Kyphosis Due to Dorsal Hemivertebra in Adult -A case report- J Korean Acad Rehab Med 1999; 23:1260-4
- Kwon SC, Pyun WB, Park GY, Choi HK, Paik KS, Kang BS. The involvement of K<sup>+</sup> Channels and the Possible Pathway of EDHF in the Rabbit Femoral Artery. YMJ 1999;40:331-8
- Park GY. Botulinum Toxin A Treatment for the Improvement of Hand Function in Spastic Hemiplegia. J Korean Acad Rehab Med 1999;23:240-6
- Lee SY, Park GY. The Value of Parameters from Median Nerve Conduction Studies for the Diagnosis of Carpal Tunnel Syndrome. J Korean Acad Rehab Med 1998;22:895-902
- Park GY, Jang SK. Treatment Effects of Botulinum Toxin A in Cerebral Palsy with Foot Deformities. J Korean Acad Rehab Med 1998;22:21-6
- Park GY. Effects of Botulinum Toxin A Treatment in Cerebral Palsy. J Korean Acad Rehab Med 1997;21:390-8
- Moon HW, Park SI, Song MS, Lee IY, Rah UW, Park GY, Hwang GS. Chronic Pain in Spinal Cord Injured Patients. J Korean Acad Rehab Med 1995;19:739-47
- Rah UW, Park GY, Kim JH. Clinical Study of Heterotopic Ossification in Traumatic Brain Injury. J Korean Acad Rehab Med 1994;18:766-72
- Park GY, Chun SI, Park CI, Yim SY, Kim AY, Shin DB. Comparison of CT-myelography, Electromyography and Digital Infrared Thermographic Imaging in Lumbar Herniated Nucleus Pulposus. J Korean Acad Rehab Med 1993;17:42-50
- Park GY, Park CI, Yoon TS. Diagnosis and Risk Factors for Heterotopic Ossification in Spinal Cord Injury. J Korean Acad Rehab Med 1993;17:374-83
- Moon JH, Park BG, Park GY. A Study on the Outcome of Conservative Treatment of Scoliosis. J Korean Acad Rehab Med 1991;15:115-21