

CURRICULUM VITAE

NAME: Sun Ju Chung, M.D., Ph.D.
Professor
Department of Neurology
Asan Medical Center
University of Ulsan College of Medicine
Seoul 138-736, Korea

Date of Birth: Feb 1, 1970

Sex: Male

Place of Birth: Seoul, Korea

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Appointments

2016. 4. 1. – Present: Professor
Department of Neurology, Asan Medical Center
University of Ulsan College of Medicine
Seoul, 138-736, Korea

Education:

Undergraduate:

1988 – 1994: Yonsei University, College of Medicine, Seoul, Korea
Major – Medicine
M.D. awarded Feb 1994

Graduate:

M.A.:

March 1, 1996 – February 28, 1998: Ulsan University, Seoul
M.A. awarded Feb 1998

(Title: Precipitants of stroke: roles of risk factors changes, preceding infection, exposure to coldness, and psychologic stress; Mentor: Jong Sung Kim, MD, PhD)

Ph.D.:

March 1, 2003 – February 15, 2007: Ulsan University, Seoul

Ph.D. awarded Feb 2007

(Title: ; Mentor: Jae Y. Koh, MD, PhD)Neuroprotective role of pyruvate against zinc toxicity after kainic acid-induced seizures in the rat

Postdoctoral Training:**Intern and Residency:**

1994. 3 – 1995. 2: Intern, Asan Medical Center, Seoul, Korea

1995. 3 – 1999. 2: Resident, Department of Neurology
Asan Medical Center, Seoul, Korea

Fellow:

2003. 9 – 2005.2: Clinical Fellow

Division of Movement Disorders

Department of Neurology

Asan Medical Center, Seoul, Korea

Research Fellow:

2008. 6. 3. – 2009. 9. 2.: Department of Neurology

Mayo Clinic, Rochester

200 First Street SW

Rochester, Minnesota 55905

U.S.A

Research project: Genetic Association Study in Parkinson's Disease

Mentor: Demetrius M. Maraganore, MD

License and Certification

1994: Doctor in Medicine

1999: Korean Board of Neurology

2002: FMGEMS by ECFMG of USA

2007: UPDRS qualification issued by UBC (United BioSource Corporation)

Memberships on scholarly societies

2005 – present: American Academy of Neurology

2003 – present: International Movement Disorder Society

1995 – present: Korean Academy of Neurology

1994 – present: Korean Medical Association

Academic Award:

2001. 6: Best article award (Korean Headache Society)

2005. 4: Young Investigator Award (Korean Dementia Society)

2006. 1: Award of Excellence (Asan Medical Center, Seoul, Korea)

2007-2008: Marquis Who's Who

2007. 11: Esai Academic Award (Korean Dementia Society)

2008. 1: Award of Excellence (Asan Medical Center, Seoul, Korea)

2011. 10: Best Presentation Award (30th Annual Meeting of Korean Neurological Association)

PUBLICATIONS

Peer-reviewed article (*, contributed as a corresponding author)

1. Shin HW, Ryu HS, Kim J, Kim MJ, Hallet M, **Chung SJ***. Sensory tricks for cervical levodopa-induced dyskinesia in patients with Parkinson's disease. *Mov Disord Clin Pract* 2016 (Accepted, in press)
2. Lohmann K, Schlicht F, Svetel M, Hinrichs F, Zittel S, Graf J, Lohnau T, Schmidt A, Mir P, Krause P, Lang AE, Jabusch HC, Wolters A, Kamm C, Zeuner KE, Altmüller E, Naz S, **Chung SJ**, Kostic VS, Munchau A, Kuhn AA, Brüggemann N, Klein C. Mutations in COL6A3 are not a cause of isolated dystonia in a large multicentric cohort. *J Neurol* 2016 (Accepted, in press).
3. Chung SJ, Kim JY, Lee HJ, Ryu HS, Kim K, Lee JH, Jung KW, Kim MJ, Kim MJ, Kim YJ, Yun SC, Lee JY, Hong SM, Myung SJ. Alpha-synuclein in gastric and colonic mucosa in Parkinson's disease: Limited role as a biomarker. *Mov Disord* 2016 Feb;31(2):241-249.
4. Kim HW, Kim JS, Oh M, Oh JS, Lee SJ, Oh SJ, **Chung SJ**, Lee CS. Different loss of dopamine transporter according to subtype of multiple system atrophy. *Eur J Nucl Med Mol Imaging*. 2016 Mar;43(3):517-525.
5. Chung SJ, Kim MJ, Kim J, Ryu HS, Kim YJ, Kim SY, Lee JH. Association of Type 2 Diabetes GWAS Loci and the Risk of Parkinson's and Alzheimer's Diseases. *Parkinsonism Relat Disord* 2015 Dec;21(12):1435-1440.
6. Wang LY, Aasly JO, Annesi G, Bardien S, Bozi M, Brice A, Carr J, **Chung SJ**, and et al. Large Scale Assessment of Polyglutamine Repeat Expansions in Parkinson Disease. *Neurology* 2015 Oct 13;85(15):1283-1292.
7. Puschmann A, Brighina L, Markopoulou K, Aasly J, **Chung SJ**, and et al. Clinically meaningful parameters of progression and long-term outcome of Parkinson disease: An international consensus statement. *Parkinsonism Relat Disord* 2015 Jul;21(7):675-682. (SCIE IF 4.126).
8. Yoo K, **Chung SJ**, Kim HS, Choung OH, Lee YB, Kim MJ, You S, Jeong Y. Neural substrates of motor and non-motor symptoms in Parkinson's disease: a resting fMRI study.

PLoS One 2015 Apr 24;10(4):e0125455.

9. **Chung SJ**, Kim JM, Kim JW, Jeon BS, Singh P, Thierfelder S, Ikeda J, Bauer L, on behalf of the Asia Pacific Rotigotine Switching Study Group. Switch from oral pramipexole or ropinirole to rotigotine transdermal system in advanced Parkinson's Disease: an open-label study. *Expert Opin Pharmacother* 2015 May;16(7):961-970. (SCIE IF: 3.085)
10. Kim YJ, Kim SJ, Kim J, Kim MJ, Kim KJ, Yoon H, Kim SR, **Chung SJ***. Chorea due to diabetic hyperglycemia and uremia: distinct clinical and imaging features. *Mov Disord* 2015 Mar;30(3):419-22.
11. Kim JM, **Chung SJ**, Kim JW, Jeon BS, Singh P, Thierfelder S, Ikeda J, Bauer L. Rotigotine transdermal system as add-on to oral dopamine agonist in advanced Parkinson's disease: an open-label study. *BMC Neurol* 2015 Feb 28;15:17.
12. Yoon RG, Kim SJ, Kim HS, Choi CG, Kim JS, Oh J, **Chung SJ**, Lee CS. The utility of susceptibility-weighted imaging for differentiating Parkinsonism-predominant multiple system atrophy from Parkinson's disease: Correlation with ¹⁸F-fluorodeoxyglucose positron-emission tomography. *Neurosci Lett* 2015 Jan 1;584:296-301. (SCI IF: 2.055)
13. Kim SR, **Chung SJ**, Yoo S. Factors contributing to malnutrition in patients with Parkinson's disease. *Int J Nurs Pract*. 2014 Dec 17. [Epub ahead of print] (SCIE IF: 0.543)
14. Kim YJ, Cho H, Kim YJ, Ki CS, **Chung SJ**, and et al. Apolipoprotein E4 Affects Topographical Changes in Hippocampal and Cortical Atrophy in Alzheimer's Disease Dementia: A Five-Year Longitudinal Study. *J Alzheimers Dis*. 2015;44(4):1075-1085.
15. Seo M, Oh M, Cho M, Chung SJ, Lee CS, Kim JS. The Effect of SSRIs on the Binding of (18)F-FP-CIT in Parkinson Patients: A Retrospective Case Control Study. *Nucl Med Mol Imaging* 2014 Dec;48(4):287-294.
16. Theuns J, Verstraeten A, Sleegers K, Wauters E, Gijssels I, Smolders S, Crosiers D, Corsmit E, Elinck E, Sharma M, Krüger R, Lesage S, Brice A, **Chung SJ**, and et al. Global investigation and meta-analysis of the C9orf72 (G4C2)_n repeat in Parkinson disease. *Neurology* 2014 Nov 18;83(21):1906-1913 (IF 8.303).
17. Kim SR, So HY, Choi E, Kang JH, Kim HY, **Chung SJ***. Influencing Effect of Non-motor Symptom Clusters on Quality of Life in Parkinson's Disease. *J Neurol Sci* 2014 Oct 23;347(1-2):310-315 (SCI IF: 2.262).
18. Shin HW, Kim JS, Oh M, You S, Kim YJ, Kim J, Kim MJ, **Chung SJ***. Clinical features of drug-induced parkinsonism based on [¹⁸F] FP-CIT positron emission tomography. *Neurol Sci* 2014 Oct 22;25(15):1198-202 (SCI IF: 1.495).
19. Oh JS, Oh M, **Chung SJ**, Kim JS. Cerebellum-Specific FDG PET Analysis for the Detection

- of Subregional Glucose Metabolism Changes in Spinocerebellar Ataxia. *Neuroreport* 2014 Oct 22;25(15):1198-1202 (SCI IF 1.644).
20. **Chung SJ***, Kim MJ, Kim J, Kim YJ, You S, Koh J, Kim SY, Lee JH. Exome array study did not identify novel variants in Alzheimer's disease. *Neurobiol Aging* 2014 Aug;35(8):1958.e13-4. (SCI IF 4.853).
 21. Foo JN, Tan LC, Liany H, Koh TH, Irwan ID, Ng YY, Ahmad-Annuar A, Au WL, Aung T, Chan AYY, Chong SA, **Chung SJ**, Jung Y, Khor CC, Kim J, Lee J, Lim SY, Mok V, Prakash KM, Song K, Tai ES, Vithana EN, Wong TY, Tan EK, Liu J. Analysis of nonsynonymous coding variants of Parkinson's disease-related pathogenic and susceptibility genes in East Asian populations. *Hum Mol Genet* 2014 July 15;23(14):3891-3897. (SCI IF 6.677).
 22. Markopoulou K, Biernacka JM, Armasu SM, Anderson K, Ahlskog JE, Chase B, **Chung SJ**, Cunningham J, Farrer M, Frigerio R, Maraganore DM. Does α -Synuclein Have A Dual and Opposing Effect in Preclinical versus Clinical Parkinson's Disease? *Parkinsonism Relat Disord* 2014 June;20(6):584-589. (SCIE IF 4.126).
 23. **Chung SJ**, Biernacka JM, Armasu SM, Anderson K, Frigerio R, Aasly JO, and on behalf of the Genetic Epidemiology of Parkinson's Disease Consortium. Alpha-synuclein REP1 variants and survival in Parkinson's disease. *Mov Disord* 2014 July;29(8):1053-1057. (SCI, IF 5.634).
 24. **Chung SJ***, Kim MJ, Kim YJ, Kim J, You S, Jang EH, Kim SY, Lee JH. *CRI*, *ABCA7*, and *APOE* genes affect the features of cognitive impairment in Alzheimer's disease. *J Neurol Sci* 2014 Apr 15;339(1-2):91-96 (SCI, IF 2.262).
 25. Noh SM, **Chung SJ**, Kim KK, Kang DW, Lim YM, Kwon SU, Kim JS. Emotional disturbance in CADASIL: its impact on quality of life and caregiver burden. *Cerebrovasc Dis* 2014 March;37(3):188-194. (SCI, IF 3.698).
 26. Park SJ, Shin JH, Jo YK, Kim ES, Lee EH, Hwang JJ, **Chung SJ**, Koh JY, Jo DG, Cho DH. Down-regulation of mortalin exacerbates A β -mediated mitochondrial fragmentation and dysfunction. *J Biol Chem* 2014 Jan 24;289(4):2195-2204. (SCI, IF 4.6).
 27. Park HK, Yoo JY, Kwon M, Lee JH, Lee SJ, Kim SR, Kim MJ, Lee MC, Lee SM, **Chung SJ***. Gait Freezing and Speech Disturbance in Parkinson's Disease. *Neurol Sci* 2014Mar;35(3): 357-363 (SCI IF: 1.495).
 28. Kim HJ, Kim SJ, Kim HS, Choi CG, Kim N, Han S, Jang EH, **Chung SJ**, Lee CS. Alterations of mean diffusivity in brain white matter and deep gray matter in Parkinson's disease. *Neurosci Lett* 2013; Aug 29;550:64-68. (SCI IF 2.055).
 29. You S, Kim MJ, Kim SR, Kim MJ, Oh M, Kim JS, **Chung SJ***. Clinical features and nigrostriatal dysfunction in patients with combined postural and resting tremors.

- Parkinsonism Relat Disord 2013;Dec19(12):1118-1122 (SCIE IF 4.126).
30. **Chung SJ**, Jung Y, Hong M, Kim MJ, You S, Kim YJ, Kim J, Song K. Alzheimer's disease and Parkinson's disease genome-wide association study top hits and risk of Parkinson's disease in Korean population. *Neurobiol Aging* 2013 Nov;34(11):2695.e1-7. PMID: 23820587 (IF 6.166).
 31. Choi HJ, Garber CE, Jun TW, Jin YS, **Chung SJ**, Kang HJ. Therapeutic Effects of Tai Chi in Patients with Parkinson's Disease. *ISRN Neurology* 2013 Oct 31;2013:548240.
 32. Park HK, Kim JS, Im KC, Kim MJ, Lee JH, Lee MC, Kim J, **Chung SJ***. Visual hallucinations and cognitive impairment in Parkinson's disease. *Can J Neurol Sci*. 2013;Sep;40(5):657-662 (SCI IF: 1.599).
 33. Kim BW, Park GH, Yun WJ, Rho NK, Jang KA, Won CH, Chang SE, **Chung SJ**, Lee MW. Adverse events associated with botulinum toxin injection: A multidepartment, retrospective study of 5310 treatments administered to 1819 patients. *J Dermatolog Treat*. 2014 Aug;25(4):331-336. PMID: 23537074 (SCI IF: 1.504).
 34. **Chung SJ***, Lee JH, Kim SY, You S, Kim MJ, Lee JY, Koh J. Association of GWAS top hits with late-onset Alzheimer's disease in Korean population. *Alzheimer Dis Assoc Disord* 2013 Jul-Sep;27(3):250-257. (SCI, IF 2.688).
 35. **Chung SJ**, Armasu SM, Anderson KJ, Biernacka JM, Lesnick TG, Rider DN, Cunningham JM, Ahlskog JE, Frigerio R, Maraganore DM. Genetic susceptibility loci, environmental exposures, and Parkinson's disease: a case-control study of gene-environment interactions. *Parkinsonism Relat Disord* 2013;Jun;19(6):595-599.
 36. Lim YM, Park HK, Kim JS, Lee CS, **Chung SJ**, Kim JM, Kim KK. Clinical and neuroimaging characteristics in neurodegenerative overlap syndrome. *Neurol Sci* 2013 Jun;34(6):875-881. (SCI IF 1.412) (PMID: 22740043).
 37. Kim B, **Chung SJ**, Shin HW. Trientine-induced neurological deterioration in a patient with Wilson's disease. *J Clin Neurosci* 2013Apr;20(4):606-608. PMID: 23274038 (SCI, IF 1.247).
 38. Jang W, Han J, Park J, Kim JS, Cho JW, Koh SB, **Chung SJ**, Kim IY, Kim HT. Waveform analysis of tremor may help to differentiate Parkinson's disease from drug-induced parkinsonism. *Physiol Meas*. 2013 Mar;34(3):N15-24.
 39. Lee WW, Ahn TB, **Chung SJ**, Jeon BS. Phenotypic differences in DYT1 between ethnic groups. *Curr Neurol Neurosci Rep* 2012 Aug;12(4):341-347 (IF 3.455).
 40. Kim MJ, Lee MC, Lee JH, **Chung SJ***(corresponding). Cerebellar degeneration associated with Sjögren's syndrome. *J Clin Neurol* 2012;8:155-159.
 41. **Chung SJ**, Armasu SM, Biernacka JM, Anderson KJ, Lesnick TG, Rider DN, Cunningham

- JM, Ahlskog JE, Frigerio R, Maraganore DM. Genomic determinants of motor and cognitive outcomes in Parkinson's disease. *Parkinsonism Relat Disord* 2012 Aug;18(7):881-886.
42. Shin HW, **Chung SJ***(corresponding). Drug-induced parkinsonism. *J Clin Neurol* 2012 Mar;8(1):15-21.
43. Oh M, Kim JS, Kim JY, Shin KH, Park SH, Kim HO, Moon DH, Oh SJ, **Chung SJ**, Lee CS. Subregional patterns of preferential striatal dopamine transporter loss differ in Parkinson disease, progressive supranuclear palsy, and multiple-system atrophy. *J Nucl Med.* 2012 Mar;53(3):399-406. (IF.7.022)
44. Cho E, Lee KJ, Seo JW, Byun KJ, **Chung SJ**, Suh DC, Carmeliet P, Koh JY, Kim JS, Lee JY. Neuroprotection by urokinase plasminogen activator in the hippocampus. *Neurobiol Dis* 2012 Apr;46(1):215-224. (IF. 5.05)
45. Kim SR, Chae HS, Yoon MJ, Han JH, Cho KJ, **Chung SJ***(corresponding). No effect of recumbency duration on the occurrence of post-lumbar puncture headache with a 22G cutting needle. *BMC Neurol* 2012 Jan 30;12:1. (IF. 2.797)
46. Lee SJ, Yoo JY, Ryu JS, Park HK, **Chung SJ**. The effects of visual and auditory cues on freezing of gait in patients with Parkinson's disease. *Am J Phys Med Rehabil* 2012 Jan;91(1):2-11.
47. Biernacka JM, Armasu SM, Anderson K, Cunningham JM, Ahlskog JE, **Chung SJ**, Maraganore DM. Do interactions between SNCA, MAPT, and LRRK2 genes contribute to Parkinson's disease susceptibility? *Parkinsonism Relat Disord* 2011; Dec;17(10):730-736.
48. You S, Kim MJ, Jang EH, Lim YM, **Chung SJ***(corresponding). Cephalic tetanus as a pseudodystonic emergency. *Neurology* 2011; Sep 27;77(13):e77-78.
49. Kim HJ, Jeon BS, Lee WY, Lee MC, Kim JW, Kim JM, Ahn TB, Cho JW, **Chung SJ**, Grieger F, Whitesides J, Boroojerdi B. Overnight switch from ropinirole to transdermal rotigotine patch in patients with Parkinson disease. *BMC Neurol* 2011;11:100. (doi: [10.1186/1471-2377-11-100](https://doi.org/10.1186/1471-2377-11-100)).
50. Park JH, **Chung SJ**, Lee CS, Jeon SR. Analysis of hemorrhagic risk factors during deep brain stimulation surgery for movement disorders: comparison of the circumferential paired and multiple electrode insertion methods. *Acta Neurochir* 2011 Aug;153(8):1573-1578.
51. **Chung SJ**, Armasu SM, Biernacka JM, Lesnick TG, Rider DN, Cunningham JM, Maraganore DM. Variants in Estrogen-Related Genes and Risk of Parkinson's Disease. *Mov Disord* 2011 Jun;26(7):1234-1242.
52. **Chung SJ**, Armasu SM, Biernacka JM, Lesnick TG, Rider DN, Lincoln SJ, Ortolaza AI, Farrer MJ, Cunningham JM, Rocca WA, Maraganore DM. Common Variants in PARK Loci

- and Related Genes and Parkinson's Disease. *Mov Disord* 2011 Feb; 26:280-288.
53. Kim HJ, Jeon BS, Lee WY, **Chung SJ**, et al. SCA in Korea and its regional distribution: a multicenter analysis. *Parkinsonism Relat Disord*. 2011 Jan;17(1):72-75.
 54. **Chung SJ**. Genetics in Parkinson's disease. *J Korean Med Assoc* 2011 Jan;54(1):70-78.
 55. Park HK, Lee JH, Lee MC, **Chung SJ***(corresponding). MRI Reversal in Wilson Disease with Trientine Treatment. *Neurology* 2010 April 27;74(17):e72.
 56. Lee SH, Kim MJ, Kim BJ, Kim SR, Chun S, Ryu JS, Kim GS, Lee MC, Koh JM*, **Chung SJ***(corresponding). Homocysteine-lowering therapy or antioxidant therapy for bone loss in Parkinson's disease. *Mov Disord* 2010 Mar;25(3):332-340.
 57. Lee SH, Kim MJ, Kim BJ, Kim SR, Chun S, Kim HK, Ryu JS, Kim GS, Lee MC, **Chung SJ***(corresponding), Koh JM. Hyperhomocysteinemia due to levodopa treatment as a risk factor for osteoporosis in patients with Parkinson's disease. *Calcif Tissue Int*. 2010 Feb;86(2):132-141.
 58. Cho E, Hwang JJ, Han SH, **Chung SJ**, Koh JY, Lee JY. Endogenous Zinc Mediates Apoptotic Programmed Cell Death in the Developing Brain. *Neurotox Res*. 2010 Feb;17(2):156-166.
 59. Kim ST, Kim EM, Choi JH, Son HJ, Ji IJ, Joh TH, **Chung SJ**, Hwang O. Matrix metalloproteinase-3 contributes to vulnerability of the nigral dopaminergic neurons. *Neurochem Int*. 2010 Jan;56(1):161-167.
 60. Shin HW, Kim MJ, Kim JS, Lee MC, **Chung SJ***(corresponding). Levosulpiride-induced movement disorders. *Mov Disord*. 2009 Nov 15;24(15):2249-2253.
 61. Kim HJ, Lee MC, Kim JS, **Chung SJ**, Kim HJ, Kwon M, Shin HW. Lingual dystonia as a manifestation of thalamic infarction. *Mov Disord* 2009 Aug 15;24(11):1703-1704.
 62. Lee JY, Son HJ, Choi JH, Cho E, Kim J, **Chung SJ**, Hwang O, Koh JY. Cytosolic labile zinc accumulation in degenerating dopaminergic neurons of mouse brain after MPTP treatment. *Brain Res* 2009 Aug 25;1286:208-214.
 63. Baik JS, Lyoo CH, Lee JH, **Chung SJ**, Lee MS. Functional peak dose dyskinesia in patients with Parkinson's disease. *Parkinsonism Relat Disord* 2009 Jul;15(6):475-476.
 64. Kim SR, Lee TY, Kim MS, Lee MC, **Chung SJ***(corresponding). Use of complementary and alternative medicine by Korean patients with Parkinson's disease. *Clin Neurol Neurosurg* 2009 Feb;111(2):156-160.
 65. Park HK, Kim JS, Im KC, Oh SJ, Kim MJ, Lee JH, **Chung SJ***(corresponding), Lee MC. Functional brain imaging in pure akinesia with gait freezing: [18F] FDG PET and [18F] FP-CIT PET analyses. *Mov Disord* 2009 Jan;24(2):237-245.
 66. Kim MJ, Jeon SR, Yoo HW, Kim GH, Lee MC, **Chung SJ***(corresponding). Effect of

- thalamotomy on focal hand dystonia in a family with DYT1 mutation. *Mov Disord* 2008 Nov 15;23(15):2251-2255.
67. Kwon KY, Choi CG, Kim JS, Lee MC, **Chung SJ***(corresponding). Diagnostic value of brain MRI and 18F-FDG PET in the differentiation of parkinsonian type multiple system atrophy from Parkinson's disease. *Eur J Neurol* 2008 Oct;15(10):1043-1049.
 68. **Chung SJ***(corresponding), Lee E, Lee MC. Myoclonus of the latissimus dorsi muscle after thoracotomy. *Mov Disord* 2008 Oct 15;23(13):1949-1950.
 69. Choi JM, Woo MS, Ma HI, Kang SY, Sung YH, Yong SW, **Chung SJ**, Kim JS, Shin HW, Lyoo CH, Lee PH, Baik JS, Kim SJ, Park MY, Sohn YH, Kim JH, Kim JW, Lee MS, Lee MC, Kim DH, Kim YJ. Analysis of PARK genes in a Korean cohort of early-onset Parkinson disease. *Neurogenetics* 2008 Oct;9(4):263-269.
 70. Yum MS, Ko TS, Yoo HW, **Chung SJ**. Autosomal-dominant guanosine triphosphate cyclohydrolase I deficiency with novel mutations in Korean children. *Pediatr Neurol* 2008 May;38:367-369.
 71. Park HK, Kim SM, Choi CG, Lee MC, **Chung SJ***(corresponding). Effect of trientine on manganese intoxication in a patient with acquired hepatocerebral degeneration. *Mov Disord* 2008 Apr;23:768-770.
 72. **Chung SJ***(corresponding), Park HK, Ki CS, Kim MJ, Lee MC. Marked diurnal fluctuation and rest benefit in a patient with parkin mutation. *Mov Disord* 2008 Mar;23:624-626.
 73. Yoo HM, Kim SJ, Choi CG, Lee DH, Lee JH, Suh DC, Choi JW, Jeong KS, **Chung SJ**, Kim JS, Yun SC. Detection of CSF Leak in Spinal CSF Leak Syndrome Using MR Myelography: Correlation with Radioisotope Cisternography. *AJNR Am J Neuroradiol* 2008 Apr;29:649-654.
 74. **Chung SJ***(corresponding), Yoo HW, Kim GH, Lee JH, Lee MC. Focal hand dystonia in a patient with PANK2 mutation. *Mov Disord* 2008 Jan;23:466-468.
 75. Kim MJ, **Chung SJ***(corresponding). Acoustic neuroma presenting with a resting tremor. *Mov Disord* 2008 Feb;23:155-156.
 76. Sung YH, **Chung SJ***(corresponding), Kim SR, Lee MC. Factors predicting response to dopaminergic treatment for resting tremor of Parkinson's disease. *Mov Disord* 2008 Jan;23:137-140.
 77. Kwon KY, Choi CG, Kim JS, Lee MC, **Chung SJ***(corresponding). Comparison of brain MRI and ¹⁸F-FDG PET in the differential diagnosis of multiple system atrophy from Parkinson's disease. *Mov Disord* 2007 Dec;22:2352-2358.
 78. Kim TY, Yi JS, **Chung SJ**, Kim DK, Byun HR, Lee JY, Koh JY. Pyruvate protects against

- kainate-induced epileptic brain damage in rats. *Exp Neurol* 2007 Nov;208:159-167.
79. **Chung SJ**, Ki CS, Lee MC, Lee JH. Fibrillin-1 gene analysis of Korean patients with spontaneous CSF hypovolemia. *Headache* 2007;47:111-115.
 80. **Chung SJ***(corresponding), Lee JH, Kim SJ, Kwun BD, Lee MC. Subdural hematoma in spontaneous CSF hypovolemia. *Neurology* 2006;67:1088-1089.
 81. **Chung SJ**, Jeon SR, Kim SR, Sung YH, Lee MC. Efficacy and safety of simultaneous bilateral pallidotomy in advanced Parkinson's disease. *Eur Neurol* 2006;56:127-132.
 82. **Chung SJ***(corresponding), Jeon SR, Kim SR, Sung YH, Lee MC. Bilateral effects of unilateral subthalamic nucleus deep brain stimulation in advanced Parkinson's disease. *Eur Neurol* 2006;56:113-118.
 83. Kim MJ, **Chung SJ***(corresponding), Sung YH, Lee MC, Im JH. Levodopa-responsive parkinsonism associated with hydrocephalus. *Mov Disord* 2006;21:1279-1281.
 84. Im JH, **Chung SJ***(corresponding), Kim JS, Lee MC. Differential patterns of dopamine transporter loss in the basal ganglia of progressive supranuclear palsy and Parkinson's disease: analysis with [¹²³I]IPT single photon emission computed tomography. *J Neurol Sci* 2006;244:103-109.
 85. **Chung SJ***(corresponding), Ahn JH, Lee JH, Im JH, Lee MC. Orthostatic hypacusis in a patient with CSF hypovolemia. *Cephalalgia* 2006;26:613-616.
 86. **Chung SJ**, Lee JH, Lee SA, No YJ, Im JH, Lee MC. Co-occurrence of seizure and chorea in a patient with nonketotic hyperglycemia. *Eur Neurol* 2005;54(4):230-2.
 87. **Chung SJ***(corresponding), Lee JH, Im JH, Lee MC. Short- and long-term outcomes of spontaneous CSF hypovolemia. *Eur Neurol* 2005;54:63-67.
 88. Suh DC, Lee JH, Kim SJ, **Chung SJ**, Choi CG, Kim HJ, Kim CJ, Kook M, Ahn HS, Kwon SU, Kim JS. New concept in cavernous sinus dural arteriovenous fistula: correlation with presenting symptom and venous drainage patterns. *Stroke* 2005 Jun;36(6):1134-1139.
 89. **Chung SJ**, Im JH, Lee JH, Cho AH, Kwon M, Lee MC. Isolated tongue tremor after gamma knife radiosurgery for acoustic schwannoma. *Mov Disord* 2005;20:108-111.
 90. **Chung SJ**, Im JH, Lee JH, Lee MC. Determining factors related to pachymeningeal enhancement on brain MRI in CSF hypovolemia. *Cephalalgia* 2004;24:903-905.
 91. **Chung SJ**, Im JH, Lee JH, Lee MC. Stuttering and gait disturbance following supplementary motor area seizure. *Mov Disord* 2004;19:1106-1109.
 92. **Chung SJ**, Im JH, Lee MC, Kim JS. Hemichorea after stroke: Clinical-radiological correlation. *J Neurol* 2004;251(6):725-729.
 93. **Chung SJ**, Kwon SU, Kim JS. Headache caused by alternating intracranial hypertension and

- intracranial hypotension: a case report. *Cephalalgia* 2004;24:235-237.
94. **Chung SJ**, Shiga Y, Miyazawa K, Hasegawa T, Itoyama Y. CSF hypovolemia vs intracranial hypotension in "spontaneous intracranial hypotension syndrome". [Correspondence] *Neurology* 2003;61:1461-1462.
 95. **Chung SJ**, Kim JS, Kim JC, Lee SK, Kwon SU, Lee MC, Suh DC. Intracranial Dural Arteriovenous Fistulas: Analysis of 60 Patients. *Cerebrovasc Dis* 2002;13:79-88.
 96. Mokri B, Kim JS, **Chung SJ**. Syndrome of cerebral spinal fluid hypovolemia: Clinical and imaging features and outcome. *Neurology* 2001;56:1607-1608.
 97. **Chung SJ**, Kim JS, Lee MC. Syndrome of cerebral spinal fluid hypovolemia: clinical and imaging features and outcome. *Neurology* 2000;55:1321-1327.