

*黃英儒醫師

所有發表期刊論文

1. **Huang YZ**, Chu NS. Episodic nocturnal wandering and complex visual hallucination- a case with long-term follow up. *Seizure* 7: 67-71, 1998. (SCI)
2. Ju MS, Chen JJ, Lee HM, Lin TS, Lin CC, **Huang YZ**. Time-course analysis of stretch reflexes in hemiparetic subjects using an on-line spasticity measurement system. *Journal of Electromyography and Kinesiology* 10: 1-14, 2000. (SCI)
3. Lee HM, **Huang YZ**, Chen JJ, Hwang IS. Quantitative analysis of velocity-related pathophysiologies of spasticity and rigidity in the elbow. *J Neurol Neurosurg Psychiatry* 76: 621-629, 2002. (SCI)
4. Edwards MJ, **Huang YZ**, Wood NW, Rothwell JC, Bhatia KP. Different patterns of electrophysiological deficits in manifesting and non-manifesting carriers of the DYT1 gene mutation. *Brain* 126(9): 2074-2080, 2003. (SCI)
5. Rothwell JC, Edwards MJ, **Huang YZ**, Bhatia KP. Physiological Studies in Carriers of the DYT1 Gene Mutation. *Rev Neurol (Paris)* 159(10):880-884, 2003. (SCI)
6. Rothwell JC and **Huang YZ**. Systems-level studies of movement disorders in dystonia and Parkinson's disease. *Current Opinion in Neurobiology* 13(6):691-695, 2003. (SCI)
7. **Huang YZ**, Edwards MJ, Bhatia KP, Rothwell JC. 1-Hz repetitive transcranial magnetic stimulation of the premotor cortex alters reciprocal inhibition in DYT1 dystonia. *Movement Disorders* 19(1):54-59, 2004 (SCI)
8. **Huang YZ** and Rothwell JC. The effect of short-duration bursts of high frequency, low intensity TMS on the human motor cortex. *Clin Neurophysiol* 115(5):1069-1075, 2004. (SCI)
9. Mochizuki M, **Huang YZ**, and Rothwell JC. Interhemispheric Interaction between Human Dorsal Premotor and Contralateral Primary Motor Cortex. *J Physiol* 561 (Pt 1):331-338, 2004. (SCI)
10. **Huang YZ**, Edwards MJ, Runis E, Bhatia KP, Rothwell JC. Theta burst stimulation of the human motor cortex. *Neuron* 54(2); 201-206, 2005 (SCI)
11. Mir P#, **Huang YZ** #, Gilio F, Edwards MJ, Berardelli A, Rothwell JC, Bhatia KP. Abnormal cortical and spinal inhibition in paroxysmal kinesigenic dyskinesia. *Brain* 128 (2): 291-299, 2005 (# Joined first author) (SCI)
12. Di Lazzaro V, Pilato F, Saturno E, Oliviero A, Dileone M, Mazzone P, Insola A, Tonali PA, Ranieri F, **Huang YZ**, Rothwell JC. Theta-burst repetitive transcranial magnetic stimulation

suppresses specific excitatory circuits in the human motor cortex. *J Physiol (Lond)* 565 (3): 945-950, 2005 (SCI)

13. Mochizuki H, Franca M, **Huang YZ**, Rothwell JC. The Role of Dorsal Premotor Area in Reaction Task: comparing the “virtual lesion” effect of Paired Pulse or Theta Burst Transcranial Magnetic Stimulation. *Exp Brain Res* 167(3):414-21, 2005 (SCI)
14. Nowak DA, Voss M, **Huang YZ**, Wolpert DM and Rothwell JC. High frequency repetitive transcranial magnetic stimulation over the hand-associated primary motor cortex disturbs predictive grip force scaling. *Eur J Neurosci* 22 (9): 2392–2396, 2005 (SCI)
15. **Huang YZ**, Trender-Gerhard I, Edwards MJ, Mir P, Rosenkranz K, Rothwell JC, Bhatia KP. Motor System Inhibition in Dopa-Responsive Dystonia and its Modulation by Treatment. *Neurology* 66(7): 1088-1090, 2006 (SCI)
16. Franca M, Koch G, Mochizuki H, **Huang YZ**, Rothwell JC. Effects of theta burst stimulation protocols on phosphene threshold. *Clin Neurophysiol* 117(8):1808-1813, 2006 (SCI)
17. Edwards MJ#, **Huang YZ** #, Mir P, Rothwell JC, Bhatia KP. Abnormalities in Motor Cortical Plasticity Differentiate Manifesting and Non-Manifesting DYT1 carriers. *Movement Disorder* 2006 21(12): 2181 – 2186, 2006 (# Joined first author) (SCI)
18. **Huang YZ** *, Chen RS, Rothwell JC, Wen HY. The after-effect of human theta burst stimulation is NMDA receptor dependent. *Clin Neurophysiol* 118(5):1028-32, 2007 (SCI)
19. Ishikawa S, Matsunaga K, Nakanishi R, Kawahira K, Murayama N, Tsuji S, **Huang YZ**, Rothwell JC. Effect of theta burst stimulation over the human sensorimotor cortex on motor and somatosensory evoked potentials. *Clin Neurophysiol.* 118(5):1033-43, 2007 (SCI)
20. **Huang YZ** *, Rothwell JC, Edwards MJ, Chen RS. Effect of physiological activity on an NMDA dependent form of cortical plasticity in human. *Cereb Cortex* 18: 563-570, 2008 (SCI)
21. Wang JJ, Lin YC, Wai YY, Liu HL, Ling CP, **Huang YZ** *. Visualization of the coherence of the principal diffusion orientation: an eigenvector-based approach. *Magn Reson Med* 59(4):764-70, 2008 (SCI)
22. **Huang YZ**, Lai SC, Lu CS, Weng YH, Chuang WL, Chen RS. Abnormal cortical excitability with preserved brainstem and spinal reflexes in sialidosis Type I. *Clin Neurophysiol* 119(5):1042-1050, 2008 (SCI)
23. Sağlam M, Matsunaga K, Murayama N, Hayashida Y, **Huang YZ**, Nakanishi R. Parallel inhibition of cortico-muscular synchronization and cortico-spinal excitability by theta burst TMS in humans. *Clin Neurophysiol* 119 (12): 2829-2838, 2008 (SCI)

24. Lin CK, **Huang YZ**, Liu CY, Hung CI, Chen RS, Hsiao MC. Add-on theta burst stimulation for treatment-resistant depression with migraine. *Taiwanese J Psychiatry* 22 (4): 322-326, 2008
25. **Huang YZ**, Sommer M, Thickbroom G, Hamada M, Pascual-Leonne A, Paulus W, Classen J, Peterchev AV, Zangen A, Ugawa Y. Consensus: New methodologies for brain stimulation. *Brain Stimulation* 2(1): 2-13, 2009 (SCI)
26. **Huang YZ**, Rothwell JC, Lu CS, Wang J, Weng YH, Lai SC, Chuang WL, Hung J, Chen RS. The effect of continuous theta burst stimulation over premotor cortex on circuits in primary motor cortex and spinal cord. *Clin Neurophysiol* 120(4):796-801, 2009 (SCI)
27. Wang JJ, Wai YY, Weng YH, Ng KK, **Huang YZ**, Ying L, Liu HL, Wang CH. Functional MRI in the assessment of cortical activation during gait-related imaginary tasks. *J Neural Transmission*. 116(9):1087-92, 2009 (SCI)
28. Lai SC, Chen RS, Wu Choua YH, Chang HC, Kao LY, **Huang YZ**, Weng YH, Chen JK, Hwu WL, Lu CS. A longitudinal study of Taiwanese Sialidosis type 1: an insight into the concept of cherry-red spot myoclonus syndrome. *Eur J Neurol* 16: 912–919, 2009 (SCI)
29. **Huang YZ**, Rothwell JC, Lu CS, Wang J, Chen RS. Restoration of motor inhibition through an abnormal premotor-motor connection in dystonia. *Mov Disord* 25 (6): 696-703, 2010 (SCI)
30. **Huang YZ***. The modulation of cortical motor circuits and spinal reflexes using theta burst stimulation in healthy and dystonic subjects. *Restor Neurol Neurosci* 28(4): 449-457, 2010 (SCI)
31. Fang JH, Chen JJJ, Hwang IS, **Huang YZ***. Repetitive transcranial magnetic stimulation over the human primary motor cortex for modulating motor control and motor learning. *J Med Biol Eng*, 30(4): 193-201, 2010 (SCI, EI)
32. Yu JF, Chen CK, Wang SR, Wu CM, Ng SH, Ying L, **Huang YZ**, Wang JJ. Activation of the Auditory Cortex in Subjects with Unilateral Sensorineural Hearing Impairment in Response to Hearing Their Own Names. *J Med Biol Eng*, 30(4): 215-219, 2010 (SCI, EI)
33. **Huang YZ**, Rothwell JC, Lu CS, Chuang WL, Lin WY, Chen RS. Reversal of plasticity-like effects in the human motor cortex. *J Physiol (London)* 588 (19): 3683-3693, 2010. (SCI)
34. **Huang YZ***, Rothwell JC, Chen RS, Lu CS, Chuang WL. The theoretical model of theta burst form of repetitive transcranial magnetic stimulation. *Clin Neurophysiol* 122(5): 1011-8, 2011 (SCI)
35. Chen P, Lin JJ, Lu CS,... **Huang YZ**...Carbamazepine-induced toxic effects and HLA-B*1502 screening in Taiwan. *N Engl J Med*. 2011 Mar 24;364(12):1126-33

36. Huang CL, Wu-Chou YH, Lai SC, Chang HC, Yeh TH, Weng YH, Chen RS, Huang YZ and Lu CS*. Contribution of glucocerebrosidase mutation in a large cohort of sporadic Parkinson's disease in Taiwan. *Eur J Neurology*, 2011 Oct;18(10):1227-32 (SCI)
37. Hsu YF, Liao KK, Lee PL, Tsai YA, Yeh CL, Lai KL, Huang YZ, Lin YY, Lee IH. Intermittent theta burst stimulation over primary motor cortex enhances movement-related beta synchronization. *Clin Neurophysiol* 122(11):2260-7, 2011 (SCI)
38. Huang YZ, Rothwell JC, Lu CS, Chuang WL, Chen RS. Abnormal bidirectional plasticity-like effects in Parkinson's disease. *Brain* 134(Pt 8):2312-20, 2011 (SCI)
39. Chuang WL, Lu CS, Huang YZ, Chen RS. Clinical characteristics of essential tremor in Taiwan: an exploratory-comparative study. *Eur J Neurology* 19(1):135-41, 2012 (SCI)
40. Tsai TC, Guo CX, Han HZ, Li YT, Huang YZ, Li CM, Chen JJ. Microelectrodes with gold nanoparticles and self-assembled monolayers for in vivo recording of striatal dopamine. *Analyst*. 137(12):2813-20, 2012 (SCI)
41. Yen YY, Chen LR, Huang YZ, Lo CC*. Models of cortico-basal ganglia circuits and synaptic plasticity for transcranial magnetic stimulation. 2012 ICME International Conference on Complex Medical Engineering (CME), 96–100, doi:10.1109/ICCME.2012.6275678. 2012
42. Huang YZ*. Plasticity Induction and Modulation of the human motor cortex in Health and disease. 2012 ICME International Conference on Complex Medical Engineering (CME), 131 – 133, doi: 10.1109/ICCME.2012.6275677. 2012
43. Huang YZ, Lu CS, Rothwell JC, Lo CC, Chuang WL, Weng YH, Lai, SC, Chen RS. Modulation of the disturbed motor network in dystonia by multisession suppression of premotor cortex. *PLoS ONE*. 2012;7(10):e47574. doi: 10.1371/journal.pone.0047574. Epub 2012 Oct 10. (SCI)
44. Wu-Chou YH, Chen YT, Yeh TH, Chang HC, Weng YH, Lai SC, Huang CL, Chen RS, Huang YZ, Chen CC, Hung J, Chuang WL, Lin WY, Chen CH, Lu CS. Genetic variants of SNCA and LRRK2 genes are associated with sporadic PD susceptibility: A replication study in a Taiwanese cohort. *Parkinsonism & Related Disorders* 19(2):251-255, 2013 (SCI)
45. Hsu YF, Huang YZ, Lin YY, Tang CW, Liao KK, Tsai YA, Lee PL, Cheng HL, Cheng H, Chern CM, Lee IH. Intermittent theta burst stimulation over ipsilesional primary motor cortex of subacute ischemic stroke patients: a pilot study. *Brain Stimulation* 6:166-174, 2013 (SCI)
46. Chuang WL, Huang YZ*, Lu CS, Chen RS*. Reduced cortical plasticity and GABAergic modulation in essential tremor. *Mov Disord* 2014 Jan 21. doi: 10.1002/mds.25809
47. Hsieh TH#, Huang YZ#, Rotenberg A, Pascual-Leone A, Chiang YH, Wang JY, Chen JJJ. Functional dopaminergic neurons in substantia nigra are required for transcranial magnetic

stimulation induced motor plasticity. Cereb Crotex 2014 Jan 22. [Epub ahead of print] (# Joined first authors)

48. Fang JH, **Huang YZ***, Hwang IS, Chen JJJ*. Selective modulation of motor cortical plasticity during voluntary contraction of the antagonist muscle. Eur J Neurosci (accepted)
49. Tsung-Hsun Hsieh, **Ying-Zu Huang**, Jia-Jin J. Chen, Alexander Rotenberg, Yung-Hsiao Chiang, Wan-Shan Chang Chien, Vincent Chang, Jia-Yi Wang, Chih-Wei Peng. Novel use of theta burst cortical electrical stimulation for modulating motor plasticity in rats. Journal of Medical and Biological Engineering, 2014. Doi: 10.5405/jmbe.1659 (In Press)
50. Huang-Li Lin, **Ying-Zu Huang***. Neuromodulation and Clinical Applications of Transcranial Magnetic Stimulation in Neurology and Psychiatry. Formosan Journal of Physical Therapy (中華民國物理治療學會). 2014. Doi: 10.6215/JFPT.PTS1382345945
51. Jhih-Hong Fang, **Ying-Zu Huang***, Ing-Shiou Hwang, Jia-Jin J Chen. Selective Modulation of Motor Cortical Plasticity During Voluntary Contraction of The Antagonist Muscle. European Journal of Neuroscience 1-6, Feb 18 2014. Doi: 10.1111/ejn.12565