

PSYCHIATRY:

- ✓ Dell'Osso B, Dobreá C, Arici C, Benatti B, Ferrucci R, Vergari M, Priori A, Altamura AC. Augmentative transcranial direct current stimulation (tDCS) in poor responder depressed patients: a follow-up study. *CNS Spectr.* 2014 Aug;19(4):347-54. doi: 10.1017/S1092852913000497. Epub 2013 Aug 20. PubMed PMID: 23962405.
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NEUROLOGY

- ✓ Ferrucci R, Mameli F, Ruggiero F, Priori A. Transcranial direct current stimulation as treatment for Parkinson's disease and other movement disorders *Basal Ganglia*, Volume 6, Issue 1, March 2016, Pages 53-61
- ✓ Marceglia S, Mrakic-Sposta S, Rosa M, Ferrucci R, Mameli F, Vergari M, Arlotti M, Ruggiero F, Scarpini E, Galimberti D, Barbieri S, Priori A. Transcranial Direct Current Stimulation Modulates Cortical Neuronal Activity in Alzheimer's Disease. *Front Neurosci*. 2016 Mar 31;10:134. doi: 10.3389/fnins.2016.00134. eCollection 2016. PubMed PMID: 27065792; PubMed Central PMCID: PMC4814712.
- ✓ Ferrucci R, Cortese F, Bianchi M, Pittera D, Turrone R, Bocci T, Borroni B, Vergari M, Cogliamarian F, Ardolino G, Di Fonzo A, Padovani A, Priori A. Cerebellar and Motor Cortical Transcranial Stimulation Decrease Levodopa-Induced Dyskinesias in Parkinson's Disease. *Cerebellum*. 2016 Feb;15(1):43-7. doi: 10.1007/s12311-015-0737-x. PubMed PMID: 26542731.
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- ✓ Mrakic-Spota S, Marceglia S, Mameli F, Dilena R, Tadini L, Priori A. Transcranial direct current stimulation in two patients with Tourette syndrome. *Mov Disord.* 2008 Nov 15;23(15):2259-61. doi: 10.1002/mds.22292. PubMed PMID: 18785641.
- ✓ Boggio PS, Ferrucci R, Mameli F, Martins D, Martins O, Vergari M, Tadini L, Scarpini E, Fregni F, Priori A. Prolonged visual memory enhancement after direct current stimulation in Alzheimer's disease. *Brain Stimul.* 2012 Jul;5(3):223-30. doi: 10.1016/j.brs.2011.06.006. Epub 2011 Jul 27. PubMed PMID: 21840288.
- ✓ Monti A, Ferrucci R, Fumagalli M, Mameli F, Cogiamanian F, Ardolino G, Priori A, Transcranial direct current stimulation (tDCS) and language. *J Neurol Neurosurg Psychiatry.* 2013 Aug;84(8):832-42. doi: 10.1136/jnnp-2012-302825. Epub 2012 Nov 8. Review. PubMed PMID: 23138766; PubMed Central PMCID: PMC3717599.

MODELLING (in collaboration with Politecnico of Milano)

- ✓ Parazzini M, Fiocchi S, Liorni I, Priori A, Ravazzani P. Computational modeling of transcranial direct current stimulation in the child brain: implications for the treatment of refractory childhood focal epilepsy. *Int J Neural Syst.* 2014 Mar;24(2):1430006. doi: 10.1142/S012906571430006X. Epub 2014 Jan 13. PubMed PMID: 24475898.
- ✓ Parazzini M, Rossi E, Ferrucci R, Liorni I, Priori A, Ravazzani P. Modelling the electric field and the current density generated by cerebellar transcranial DC stimulation in humans. *Clin Neurophysiol.* 2014 Mar;125(3):577-84. doi: 10.1016/j.clinph.2013.09.039. Epub 2013 Oct 28. PubMed PMID: 24176297.
- ✓ Parazzini M, Rossi E, Ferrucci R, Fiocchi S, Liorni I, Priori A, Ravazzani P. Computational model of cerebellar transcranial direct current stimulation. *Conf Proc IEEE Eng Med Biol Soc.* 2013;2013:237-40. doi: 10.1109/EMBC.2013.6609481. PubMed PMID: 24109668.
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- ✓ Parazzini M, Rossi E, Rossi L, Priori A, Ravazzani P. Numerical estimation of the current density in the heart during transcranial direct current stimulation. *Brain Stimul.* 2013 May;6(3):457-9. doi: 10.1016/j.brs.2012.05.007. Epub 2012 Jun 7. PubMed PMID: 22704793.
- ✓ Parazzini M, Rossi E, Rossi L, Priori A, Ravazzani P. Evaluation of the current density in the brainstem during transcranial direct current stimulation with extra-cephalic reference electrode. *Clin Neurophysiol.* 2013 May;124(5):103940. doi: 10.1016/j.clinph.2012.09.021. Epub 2012 Oct 18. PubMed PMID: 23084663.

tDCS CEREBELLAR AND SPINAL (new stimulation sites)

- ✓ Bocci T, Marceglia S, Vergari M, Cognetto V, Cogiமானian F, Sartucci F, Priori A. Transcutaneous spinal direct current stimulation modulates human corticospinal system excitability. *J Neurophysiol.* 2015 Jul;114(1):440-6. doi: 10.1152/jn.00490.2014. Epub 2015 Apr 29. PubMed PMID: 25925328; PubMed Central PMCID: PMC4509392.
- ✓ Ferrucci R, Cortese F, Priori A. Cerebellar tDCS: how to do it. *Cerebellum.* 2015 Feb;14(1):27-30. doi: 10.1007/s12311-014-0599-7. Review. PubMed PMID: 25231432; PubMed Central PMCID: PMC4318979.
- ✓ Priori A, Ciocca M, Parazzini M, Vergari M, Ferrucci R. Transcranial cerebellar direct current stimulation and transcutaneous spinal cord direct current stimulation as innovative tools for neuroscientists. *J Physiol.* 2014 Aug 15;592(16):3345-69. doi: 10.1113/jphysiol.2013.270280. Epub 2014 Jun 6. Review. PubMed PMID: 24907311; PubMed Central PMCID: PMC4229333.
- ✓ Ferrucci R, Priori A. Transcranial cerebellar direct current stimulation (tcDCS): motor control, cognition, learning and emotions. *Neuroimage.* 2014 Jan 15;85 Pt 3:918-23. doi: 10.1016/j.neuroimage.2013.04.122. Epub 2013 May 9. Review. PubMed PMID: 23664951.
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- ✓ Cogiமானian F, Ardolino G, Vergari M, Ferrucci R, Ciocca M, Scelzo E, Barbieri S, Priori A. Transcutaneous spinal direct current stimulation. *Front Psychiatry*. 2012 Jul 4;3:63. doi: 10.3389/fpsyt.2012.00063. eCollection 2012. PubMed PMID: 22783208; PubMed Central PMCID: PMC3389353.
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- ✓ Cogiமானian F, Vergari M, Schiaffi E, Marceglia S, Ardolino G, Barbieri S, Priori A. Transcutaneous spinal cord direct current stimulation inhibits the lower limb nociceptive flexion reflex in human beings. *Pain*. 2011 Feb;152(2):370-5. doi: 10.1016/j.pain.2010.10.041. Epub 2010 Dec 14. PMID: 21159430
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COGNITION

- ✓ Priori A, Mameli F, Cogiமானian F, Marceglia S, Tiriticco M, Mrakic-Spota S, Ferrucci R, Zago S, Polezzi D, Sartori G. Lie-specific involvement of dorsolateral prefrontal cortex in deception. *Cereb Cortex*. 2008 Feb;18(2):451-5. Epub 2007 Jun 21. PubMed PMID: 17584853.
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- ✓ Ferrucci R, Marceglia S, Vergari M, Cogiamanian F, Mrakic-Sposta S, Mameli F, Zago S, Barbieri S, Priori A. Cerebellar transcranial direct current stimulation impairs the practice-dependent proficiency increase in working memory. *J Cogn Neurosci*. 2008 Sep;20(9):1687-97. doi: 10.1162/jocn.2008.20112. PubMed PMID: 18345990.
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OTHER TOPICS

- ✓ Ardolino G, Scelzo E, Cogiamanian F, Bonara P, Nozza A, Rosa M, Garlaschi S, Barbieri S, Priori A. Transcranial direct current stimulation (tDCS) and lymphocytes. *Brain Stimul*. 2014 Mar-Apr;7(2):332-4. doi: 10.1016/j.brs.2013.11.007. Epub 2013 Nov 28. PubMed PMID: 24368098.
- ✓ Scelzo E, Giannicola G, Rosa M, Ciocca M, Ardolino G, Cogiamanian F, Ferrucci R, Fumagalli M, Mameli F, Barbieri S, Priori A. Increased short latency afferent inhibition after anodal transcranial

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- ✓ Priori A. Brain polarization in humans: a reappraisal of an old tool for prolonged non-invasive modulation of brain excitability. *Clin Neurophysiol.* 2003 Apr;114(4):589-95. PubMed PMID: 12686266.

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