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## BIBLIOGRAPHY

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### Randomized Controlled Trials

Barclay, T. H. and R. D. Barclay (2014). A clinical trial of cranial electrotherapy stimulation for anxiety and comorbid depression. *Journal of Affective Disorders* 164:171-177

Taylor, A. G., J. G. Anderson, S. L. Riedel, J. E. Lewis, and C. Bourguignon (2013). A randomized, controlled, double-blind pilot study of the effects of cranial electrical stimulation on activity in brain pain processing regions in individuals with fibromyalgia. *Explore* 9(1):32-40.

Lande, R. G., and C. Gragnani (2012). Efficacy of cranial electric stimulation for the treatment of insomnia: A randomized pilot study. *Complementary Therapies in Medicine*, published ahead of print, <http://dx.doi.org/10.1016/j.ctim.2012.11.007>. 2012.

Taylor, A. G., J. G. Anderson, S. L. Riedel, J. E. Lewis, P. A. Kinser and C. Bourguignon (2011). Cranial electrical stimulation improves symptoms and functional status in individuals with fibromyalgia. *Pain Management Nursing*, published ahead of print, [http://www.painmanagementnursing.org/article/S1524-9042\(11\)00136-6/fulltext](http://www.painmanagementnursing.org/article/S1524-9042(11)00136-6/fulltext). 2011.

Tan, G., D. H. Rintala, M. P. Jensen, J. S. Richards, S. A. Holmes, R. Parachuri, S. Lashgari-Saegh and L. R. Price (2011). Efficacy of cranial electrotherapy stimulation for neuropathic pain following spinal cord injury: a multi-site randomized controlled trial with a secondary 6-month open-label phase. *The Journal of Spinal Cord Medicine* 34(3):285-296.

Lyon, D. E., C. Schubert and A. G. Taylor (2010). Pilot study of cranial stimulation for symptom management in breast cancer. *Oncology Nursing Forum* 37(4): 476-483.

Shultz, J. C. (2010). The effects of cranial electrotherapy stimulation on attention: A double-blinded, placebo-controlled investigation. Psy.D. Dissertation. The Chicago School of Professional Psychology, 106 pages.

Rintala, D. H., Tan, G., Willson, P., Bryant, M. S., and Lai, E. C. H. (2009). Feasibility of using cranial electrotherapy stimulation for pain in persons with Parkinson's disease. *Parkinson's Disease* 8 pages, 2010.

Strentzsch, J. A. (2009). An examination of cranial electrotherapy stimulation (CES) on alpha-amylase levels, cortisol levels and state-trait anxiety scores in the chronically ill. Doctoral dissertation, Saint Mary's University, San Antonio, Texas. 121 pages.

Mellen, R. R., and W. Mackey (2009). Reducing sheriff's officers' symptoms of depression using cranial electrotherapy stimulation (CES): a control experimental study. *The Correctional Psychologist* 41(1):9-15.

Mellen, R. R., and W. Mackey (2008). Cranial electrotherapy stimulation (CES) and the reduction of stress symptoms in a sheriff's jail security and patrol officer population. *American Jails* 22(5):32-38.

Kim, H. J. et al. (2008). The Effect of Cranial Electrotherapy Stimulation on Preoperative Anxiety and Hemodynamic Responses. *Korean Journal of Anesthesiology* 55(6): 657- 661.

Tan, G., D. H. Rintala, J. Thornby, J. Yang, W. Wade, and C. Vasilev (2006). Using cranial electrotherapy stimulation to treat pain associated with spinal cord injury. *Journal of Rehabilitation Research and Development* 43:461-474.

Cork, R. C., P. Wood, N. Ming, C. Shepherd, J. Eddy, and L. Price (2004). The effect of cranial electrotherapy stimulation (CES) on pain associated with fibromyalgia. *The Internet Journal of Anesthesiology* 8(2).

Lichtbroun, A. S., M. C. Raicer, and R. B. Smith (2001). The treatment of fibromyalgia with cranial electrotherapy stimulation. *Journal of Clinical Rheumatology* 7(2):72-78.

Schroeder, M.J., and R. E. Barr (2001). Quantitative analysis of electroencephalogram during cranial electrotherapy stimulation. *Clinical Neurophysiology* 112:2075-2083. Doctoral dissertation, University of Texas at Austin, 191 pages, 1999.

Sizer, P., S. Sawyer, J. Brismee, K. Jones, and J. Slauterbeck (2000). The effect of microcurrent stimulation on postoperative pain after patellar tendon-bone anterior cruciate ligament reconstruction. Presented at the American Physical Therapy Association Annual Conference, Indianapolis, IN, June 2000.

- Winick, R. L. (1999). Cranial electrotherapy stimulation (CES): a safe and effective low cost means of anxiety control in a dental practice. *General Dentistry* 47(1):50-55.
- Heffernan, M. (1997). The effect of variable microcurrents on EEG spectrum and pain control. *Canadian Journal of Clinical Medicine* 4(10):4-11.
- Heffernan, M. (1996). Comparative effects of microcurrent stimulation on EEG spectrum and correlation dimension. *Integrative Physiological and Behavioral Science* 31(3):202-209.
- Voris, M. D. and S. Good (1996). Treating sexual offenders using cranial electrotherapy stimulation. *Medical Scope Monthly* 3(11):14-18.
- Voris, M. D. (1995). An investigation of the effectiveness of cranial electrotherapy stimulation in the treatment of anxiety disorders among outpatient psychiatric patients, impulse control parolees and pedophiles. Delos Mind/Body Institute Newsletter, Dallas and Corpus Christi, TX.
- Heffernan, M. (1995). The effect of a single cranial electrotherapy stimulation on multiple stress measures. *The Townsend Letter for Doctors and Patients* 147:60-64.
- Overcash, S. J., and A. Siebenthal (1989). The effects of cranial electrotherapy stimulation and multisensory cognitive therapy on the personality and anxiety levels of substance abuse patients. *American Journal of Electromedicine* 6(2):105-111.
- Zimmerman, S. I., and F. N. Lerner (1989). Biofeedback and electromedicine reduce the cycle of pain spasm pain in low back patients. *Medical Electronics* 117:108-120. Doctoral dissertation, City University Los Angeles, CA, 284 pages.
- Brotman, P. (1989). Low-intensity transcranial electrostimulation improves the efficacy of thermal biofeedback and quieting reflex training in the treatment of classical migraine headache. *American Journal of Electromedicine* 6(5):120-123. Doctoral dissertation, City University Los Angeles, CA, 117 pages.
- Gibson, T. H. and D. E. O'Hair (1987). Cranial application of low level transcranial electrotherapy vs. relaxation instruction in anxious patients. *American Journal of Electromedicine* 4(1):18-21. Doctoral dissertation, California School of Professional Psychology, 152 pages.
- Roth, P. M., and W. J. Thrash (1986). Effect of transcutaneous electrical nerve stimulation for controlling pain associated with orthodontic tooth movement *American Journal of Orthodontics* 90(2):132-138.

## Open Clinical Trials

- Liu Y. and Z. Guiqing (2011). qEEG Study on the Treatment of ADHD with CES. *Chinese Journal of Clinicians* (Electronic Edition) 5(8):2462-2463.
- Tan, G., Dao, T. K., Smith, D. L., Robinson, A., and M. P. Jensen (2010). Incorporating complementary and alternative medicine (CAM) therapies to expand psychological services to veterans suffering from chronic pain. *Psychological Services* 7(3):148-161.
- Holubec, J. T. (2008). Cumulative response from cranial electrotherapy stimulation (CES) for chronic pain. *Practical Pain Management* 9(9):80-83.
- Eidelman W.S. (2009). Control of cigarette cravings with cranial electrotherapy stimulation. *The Townsend Letter for Doctors* 311(6):81-85.
- Bystritsky, A., L. Kerwin, and J. D. Feusner (2008). A pilot study of cranial electrotherapy stimulation for generalized anxiety disorder. *Journal of Clinical Psychiatry*, February 6, 2008: e1-e6.
- Tae-Kyu Lee, Kwan-Sung Lee, Shin-Soo Jeun, Young-Kil Hong, Chun-Kun Park, Joon-Ki, and Moon-Chan Kim (2004). The control of chronic pain using microcurrent electrical therapy and cranial electrotherapy stimulation. Department of Neurosurgery, Kangnam St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea. Presented at the Korea Society for Stereotactic and Functional Neurosurgery April 14, 2004.
- Kulkarni, A. D. and R. B. Smith (2001). The use of microcurrent electrical therapy and cranial electrotherapy stimulation in pain control. *Clinical Practice of Alternative Medicine* 2(2):99-102.
- Overcash, S. J. (1999). Cranial electrotherapy stimulation in patients suffering from acute anxiety disorders. *American Journal of Electromedicine* 16(1):49-51.
- Smith, R. B., and F. N. Shiromoto (1992). The use of cranial electrotherapy stimulation to block fear perception in phobic patients. *Journal of Current Therapeutic Research* 51(2):249-253.

## Mechanistic Studies

- Feusner et al. (2012). Effects of cranial electrotherapy stimulation on resting state brain activity. *Brain and Behavior*. doi: 10.1002/brb3.45.
- Feusner, J., Moody, T., Hembacher, E., Madsen, S., Bookheimer, S., and A. Bystritsky (2010). Effects of cranial electrotherapy stimulation on brain activity in the resting state. Poster presented at the New Clinical Drug Evaluation Unit (NCDEU) 2010 50th Anniversary Meeting: Learning from the Past to Advance the Future of Mental Health Treatment. Co-sponsored by the National Institute of Mental Health (NIMH) and the American Society of Clinical Psychopharmacology (ASCP). June 14 - June 17, 2010 in Boca Raton, Florida.
- Bystritsky, A., Moody, T., Hembacher, E., Hoffman, J., Moller, H., and J. Feusner. (2009). Effects of cranial electrotherapy stimulation on brain activity in the resting state. Poster presented at the American College of Neuropsychopharmacology (ACNP), Hollywood, Florida, December 8, 2009.
- Kennerly, R. (2006). Changes in Quantitative EEG and Low Resolution Tomography Following Cranial Electrotherapy Stimulation. Ph.D. Dissertation, the University of North Texas. 529 pp.

## Case Series and Case Reports

- Kirsch D.L., Price L.R., Nichols F., Marksberry J.A., and K.T. Platoni (2012). Efficacy of Cranial Electrotherapy Stimulation for Anxiety, PTSD, Insomnia and Depression: US Military Service Members and Veterans Self Reports. Poster presented at the Annual Meeting of the Chinese Society of Psychiatry; co-sponsored by the Chinese Medical Association, Psychiatry Branch of the Chinese Medical Association and the Nanjing Brain Hospital. October 18-21, 2012 in Nanjing, Jiangsu Province, China.
- Bracciano et al. (2012). Cranial electrotherapy stimulation in the treatment of posttraumatic stress disorder: a pilot study of two military veterans. *Journal of Neurotherapy* 16: 60-69.
- Annibaldi, J. (2010). Case of the Week: Jeff – Bipolar Disorder and More Published online at <http://www.amenclinics.com/blog/tag/alpha-stim-100>, April 22, 2010
- Mellen, R. R., and S. Mitchell (2008). Cranial electrotherapy stimulation: a case study. *The Correctional Psychologist* 4(4):4-8.
- Childs, A., and L. Price (2007). Cranial electrotherapy stimulation reduces aggression in violent neuropsychiatric patients. *Primary Psychiatry* 14(3):50-56, 2007.
- Childs, A. (2005). Cranial electrotherapy stimulation reduces aggression in a violent retarded population: a preliminary report. *The Journal of Neuropsychiatry and Clinical Neurosciences* 17(4):548-551.
- Overcash, S. (2005). The effect of Alpha-Stim SCS and Roshi complex adaptive and discrete protocols on a 9-year-old anxious, dyslexic male with attention deficit disorder: A case study. *Journal of Neurotherapy* 9(2):63-77.
- Plotnick, S. E. (2005). Finding hope: Alpha-Stim 100 may help clinicians yield better fibromyalgia results. *Advance for Directors in Rehabilitation*, p. 82, May 2005.
- Frick, A., and D. McCauley (2005). Microcurrent electrical therapy heals a recalcitrant wound in a horse. *Journal of Equine Veterinary Science* 25(10):418-422.
- Smith, R. B. (2001). Is microcurrent stimulation effective in pain management? An additional perspective. *American Journal of Pain Management* 11(2):62-66.
- Clark, N., D. Mills, and J. Marchant (2000). Evaluation of the potential efficacy of the Alpha-Stim SCS in the horse. DeMontfort University Equestrian Centre and Field Station, Caythorpe, Lincolnshire, UK. Jan 2000.
- Alpher, E. J. and D. L. Kirsch (1998). Traumatic brain injury and full body reflex sympathetic dystrophy patient treated with cranial electrotherapy stimulation. *American Journal of Pain Management* 8(4):124-128.
- Bauer, W. (1983). Electrical treatment of severe head and neck cancer pain. *Archives of Otolaryngology* 109(6):382-383.

## Meta-Analyses, Review Articles and Commentaries

- Novakovic, V., Sher, L., Lapidus, K.A.B., Mindes, J., Golier, J.A., and R. Yehuda (2011). Brain stimulation in posttraumatic stress disorder. *European Journal of Psychotraumatology* 2: 5609.
- Kirsch, D., and J. A. Marksberry (2011). Advances in Cranial Electrotherapy Stimulation. *Practical Pain Management* April 2011:77-81.
- Holleran-Steiker, L. K., Machemehl-Helmly, P., Clements, T, and B. Earthman (2010). New and promising technologies in the field of addiction recovery: highlights of emerging benefits. *Journal of Social Work Practice in the Addictions* 10(4):331-338, 2010.
- Zaghi, S., Acar, M., Hultgren, B., Boggio, S. P., and F. Fregni (2010). Noninvasive brain stimulation with low-intensity electrical currents: putative mechanisms of action for direct current and alternating current stimulation. *Neuroscientist* 16(3):285-307. Epub 2009 Dec 29.
- Mellen, R. R., and J. Gillilan (2009). Inmate violence, officer protection and CES. *Southern Concourse*, 28, Summer 2009.
- Farina Woodbury, M. A. (2008). Efecto de la microcorriente sobre sintomas, de ansiedad, depresión, insomnio y dolor. *Galanus* 1(5):15-18.
- Kirsch, D. (2008). CES for mild traumatic brain injury. *Practical Pain Management*, July/August:70-77.
- Kirsch, D., and M. Gilula (2008). CES in the treatment of pain-related disorders. *Practical Pain Management*, April:12-25.
- Kirsch, D., and M. Gilula (2007). CES in the treatment of insomnia: a review and meta-analysis. *Practical Pain Management* October:28-39.
- Tan, G., Craine, M. H., Bair, M. J., Garcia, M. K., Giordano, J., Jensen, M. P., McDonald, S. M., Patterson, D., Sherman, R. A., Williams, W., and J. C. I. Tsao (2007). Efficacy of selected complementary and alternative medicine interventions for chronic pain. *Journal of Rehabilitation Research and Development* 44(2):195-222.
- Tan, G., and M. P. Jensen (2007). Integrating complementary and alternative medicine (CAM) into multidisciplinary chronic pain treatment. In Multidisciplinary Chronic Pain Management: a Guidebook for Program Development and Excellence of Treatment. Schatman and Campbell (editors), Taylor & Francis, Pp. 75-99.

- Gilula, M. (2007). Cranial electrotherapy stimulation and fibromyalgia. *Expert Review of Medical Devices* 4(4):489-495.
- Kirsch, D., and M. Gilula (2007). CES in the treatment of depression: a review of the results of meta-analysis conducted on CES studies – Part 2. *Practical Pain Management*, June:32-40.
- Kirsch, D., and M. Gilula (2007). CES in the treatment of depression – Part 1. *Practical Pain Management* May:33-41.
- Kirsch, D., and M. Gilula (2007). CES in the treatment of anxiety disorders: statistical considerations in the meta-analysis of cranial electrotherapy stimulation (CES) treatment of anxiety disorders – Part 2. *Practical Pain Management* April:22-39.
- Kirsch, D. L., and M. Gilula (2007). CES in the treatment of anxiety disorders: A review and meta-analysis of cranial electrotherapy stimulation (CES) in the treatment of anxiety disorders – Part 1. *Practical Pain Management* March:40-47.
- Tan, G., Alvarez, J. A., and M. P. Jensen (2006). Complementary and alternative medicine approaches to pain management. *Journal of Clinical Psychology: In Session*, 62(11):1419-1431.
- Kirsch, D. L. (2006). Cranial electrotherapy stimulation in the treatment of fibromyalgia. *Practical Pain Management* 6(6):60-64.
- Kirsch, D. L. (2006). Cranial electrotherapy stimulation for the treatment of anxiety, depression, insomnia and other conditions. Insert: Giordano, James. Illustrating how CES works. *Natural Medicine* 23:118-120.
- Kirsch, D. L. (2006). Why Electromedicine? *Practical Pain Management* 6(5):52-54.
- Gilula, M. F., and D. L. Kirsch, (2005). Cranial electrotherapy stimulation review: a safer alternative to psychopharmaceuticals in the treatment of depression. *Journal of Neurotherapy* 9(2):7-26.
- Gilula, M. F. and P. R. Barach (2004). Cranial electrotherapy stimulation: a safe neuromedical treatment for anxiety, depression or insomnia. *Southern Medical Journal* 97(12):1269-1270.
- Kirsch, D. L., and R. B. Smith (2004). Cranial electrotherapy stimulation for anxiety, depression, insomnia, cognitive dysfunction, and pain. Chapter 44 in *Bioelectromagnetic Medicine*. P. J. Rosch, Ed. Marcel Dekker, New York, Pp. 727-740.
- Kirsch, D. L. (2002). *The Science Behind Cranial Electrotherapy Stimulation* (2nd Ed). Medical Scope Publishing Co., Edmonton, Canada, Pp. 224.
- DeBock, P. (2000). European perspective: A comparison between MET and TENS. *Physical Therapy Products* Sept 2000:28-33.
- Mercola, J. M. and D. L. Kirsch (1995). The basis for microcurrent electrical therapy in conventional medical practice. *Journal of Advancement in Medicine* 8(2):107-120.

## Tutorials

- Kirsch, D. L. (2006). Electromedical treatment of headaches. *Practical Pain Management*, 6(8):58- 65.
- Kirsch, D. L. (2006). Microcurrent electrical therapy (MET): A tutorial. *Practical Pain Management*, 6(7):59-64.
- Kirsch, D. L. (2002). A practical protocol for electromedical treatment of pain. Chapter 61 in *Pain Management: A Practical Guide for Clinicians* (the textbook of the American Academy of Pain Management) edited by Richard S. Weiner, CRC Press, Boca Raton, FL, Pp. 759-776.
- Kirsch, D. L. (2002). Electromedicine: the other side of physiology. Chapter 60 in *Pain Management: A Practical Guide for Clinicians* (the textbook of the American Academy of Pain Management) edited by Richard S. Weiner, CRC Press, Boca Raton, FL, Pp. 749-758.
- Kirsch, D. L. (2001). Cranial electrotherapy stimulation: A practical protocol for the treatment of pain. *Practical Pain Management*, 2(3):34-37.