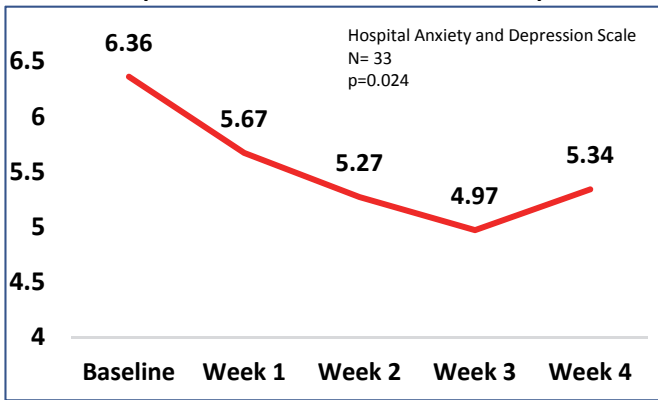


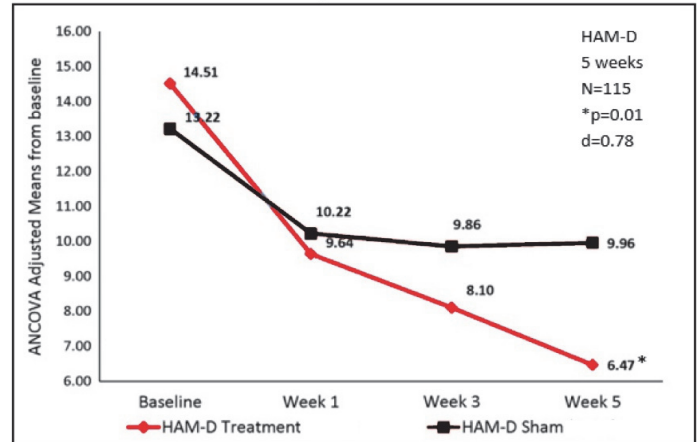
# Graphic Summary of Alpha-Stim CES Depression Studies

Mean depression scores in advanced cancer patients



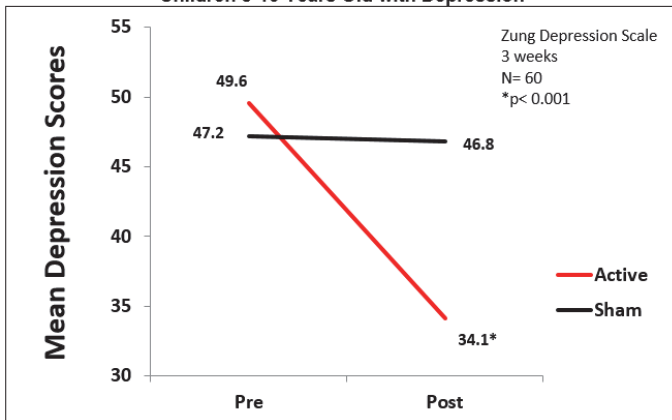
Yennurajalingam S, Kang D-H, Hwu W-J, Padhye NS, Masino C, Dibaj SS, Liu DD, Williams JL, Lu Z, Bruera E. Cranial electrotherapy stimulation for the management of depression, anxiety, sleep disturbance, and pain in patients with advanced cancer: a preliminary study, *Journal of Pain and Symptom Management*. E-published ahead of print, September, 2017.

Depression



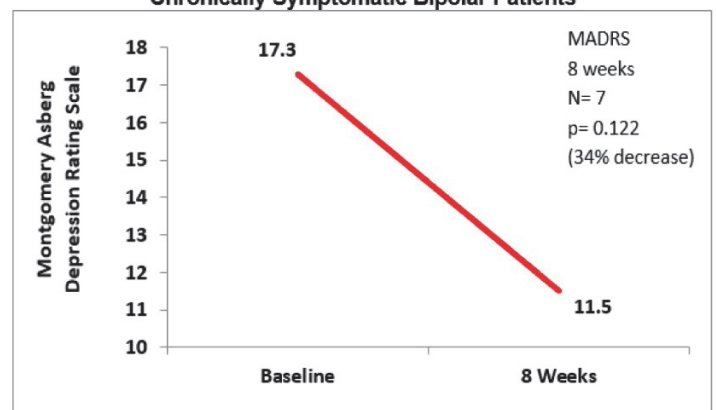
Barclay TH, Barclay RD. A clinical trial of cranial electrotherapy stimulation for anxiety and comorbid depression. *Journal of Affective Disorders*. 2014; 164: 171-177. Presented at the American Psychological Association National Conference, Honolulu, HI, July 2013.

Children 8-16 Years Old with Depression



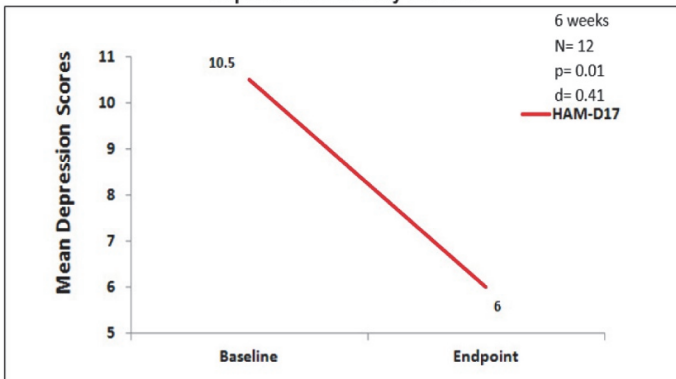
Chen Y, Yu L, Zhang J, Li L, et al. Results of cranial electrotherapy stimulation to children with mixed anxiety and depressive disorder. *Shanghai Archives of Psychiatry*. 2007; 19(4): 203-205.

Chronically Symptomatic Bipolar Patients



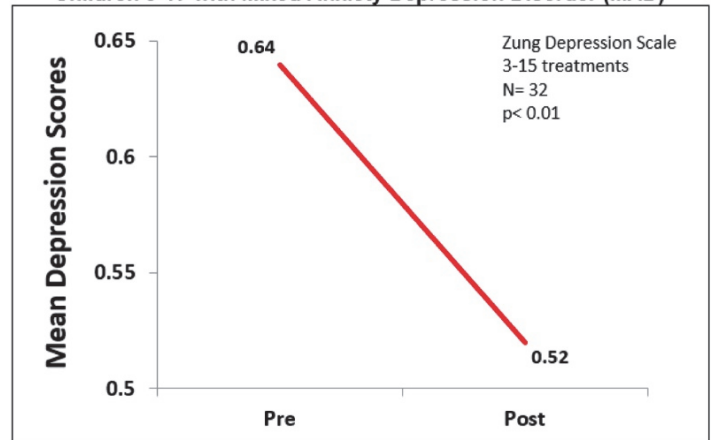
Amr, Mostafa, El-Wasify, Mahmoud, Elmaadawi, Ahmed, Roberts, Jeannie, and El-Mallakn, Rif. Cranial electrotherapy stimulation for the treatment of chronically symptomatic bipolar patients. *Journal of ECT*. 2013; 29(2): 31-32.

Depression in Anxiety Patients



Bystritsky A, Kerwin Land Feusner J. A pilot study of cranial electrotherapy stimulation for generalized anxiety disorder. *Journal of Clinical Psychiatry*. 2008; 69:412-417.

Children 9-17 with Mixed Anxiety Depression Disorder (MAD)



Lu XV, Wang AH, Li Y, Zhang JS and Liu BX. Safety and effectiveness of cranial electrotherapy stimulation in treating children with emotional disorders. *Chinese Journal of Clinical Rehabilitation*. 2005; 9(8): 96-97.