

World Summit on
CLIMATE CHANGE & GLOBAL WARMING

&
International Conference on
BRAIN STIMULATION

November 26-27, 2018 | Tokyo, Japan



O'Shanick GJ

Center for Neurorehabilitation Services, USA

Safety and efficacy of rTMS in treating depression and cognitive dysfunction following traumatic brain injury: Experience of an outpatient neurorehabilitation center

Presented is a convenience sample of 26 outpatients (9 male; 17 female) who had been treated in an out-patient neurorehabilitation center for traumatic brain injury (TBI) and developed co-morbid depression, non-responsive to multiple courses of antidepressant therapy, and subsequently received repetitive transcranial magnetic stimulation (TMS) for their depressive syndromes. Time since TBI to TMS varied from 16 months to 53 years, with severity ranging from mild to

severe. Measures of mood (PHQ9) generally were reflective of improvement in depressive symptoms. Concomitant improvement in cognition and pain tolerance was also demonstrated with subjective and objective measures. The use of TMS in individuals following TBI with depression appears to be a safe modality offering affective and cognitive benefits based upon this open trial. Further studies are warranted.

Biography

O'Shanick has completed his MD at age 23 from the University of Texas Medical Branch at Galveston and Postdoctoral Studies from Duke University Medical Center in Durham, North Carolina in 1981. For 10 years, he taught in academic institutions and in 1991 founded the Center for Neurorehabilitation Services with his wife, Alison, a speech-language pathologist, in Richmond, Virginia. He has published 3 books, over 60 peer-reviewed articles and 15 chapters in textbooks focusing on traumatic brain injury. He is Board Certified in General Psychiatry, Behavioral Neurology and Neuropsychiatry, and Brain Injury Medicine where he sits on the Administrative oversight committee for that subspecialty. He is the National Medical Director Emeritus of the Brain Injury Association of America (BIAA) after serving as the Inaugural Medical Director of that organization for 14 years. He is a Distinguished Life Fellow of the American Psychiatric Association and has received both the Berrol Award for Clinical Excellence from BIAA and the Weinstock Award for Public Service from BIAA.

gjocns@aol.com