

PSYCHIATRY DISORDERS, MENTAL HEALTH AND WELLNESS

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TRANSCRANIAL MAGNETIC STIMULATION FOR OBSESSIVE COMPULSIVE DISORDER

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Obsessive-compulsive disorder (OCD) is a chronic disabling condition with a lifetime prevalence of 2.3%. 1 in 40 adults are currently living with symptoms of OCD, making it the fourth most common neuropsychiatric illness and the fifth leading cause of disease burden ages 15-22 in the developed world. The presentation will briefly review pharmacologic and psychotherapeutic treatments for OCD. The neuroanatomy of OCD will be reviewed as a basis for neuromodulatory interventions, both invasive and non-invasive. An overview of neuromodulatory interventions for OCD will be presented DBS, rTMS, DTMS, TDCS. Details of FDA approved DTMS technology followed by a detailed presentation of the pilot, multi-center randomized sham controlled and open label efficacy and safety data of the H7/HAC DTMS OCD system. How to tailor provocations to the patient's symptoms before the stimulation (Cognitive paired association) with examples will be given. The lecture will conclude with a discussion on when to implement the neuromodulation treatments in the treatment pathway and future research directions for DTMS with OCD.

BIOGRAPHY

Aron Tendler received his MD from State University of NY Downstate Medical Center with a distinction in research. He completed a residency in Psychiatry at the University of Chicago. He is Board certified in Psychiatry and Sleep Medicine. He is the author of numerous peer reviewed publications. He is the co-founder of Advanced Mental Health Care Inc., a clinical and research center with three sites in South Florida, USA and the Chief Medical Officer for Brainsway Ltd., a medical device manufacturer. He has been the PI on multiple multicenter clinical trials, leading to device approvals for major depression and obsessive compulsive disorder. He spends half his time in clinical practice and half his time on education and research.

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