

# Transcranial magnetic stimulation aids PTSD in eating disorders

August 22 2017

---



(HealthDay)—Repetitive transcranial magnetic stimulation (rTMS) of

the dorsomedial prefrontal cortex (DMPFC) seems to be beneficial for treatment of posttraumatic stress disorder (PTSD) in patients with eating disorders, according to research published online Aug. 16 in the *International Journal of Eating Disorders*.

D. Blake Woodside, M.D., from the University Health Network in Toronto, and colleagues presented a case series of 14 subjects with [eating disorders](#) and comorbid PTSD who received 20 to 30 neuronavigated DMPFC-rTMS treatments.

The researchers observed a reduction in the PTSD checklist-Civilian scores of  $51.99 \pm 27.24$  percent overall (from a mean of  $54.29 \pm 19.34$  to  $24.86 \pm 17.43$  for before and after treatment). Eight of the 14 patients showed an improvement of more than 50 percent. There was an improvement in the Difficulties in Emotional Regulation Scale scores of  $36.02 \pm 24.24$  percent overall (from  $140.00 \pm 22.09$  to  $89.29 \pm 38.31$  for before and after treatment). Five of the 14 subjects achieved improvement of more than 50 percent.

"These data may suggest that DMPFC-rTMS could be helpful in the treatment of PTSD in some eating disorder patients," the authors write.

**More information:** [Abstract](#)  
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Transcranial magnetic stimulation aids PTSD in eating disorders (2017, August 22) retrieved 19 April 2024 from <https://medicalxpress.com/news/2017-08-transcranial-magnetic-aids-ptsd-disorders.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.