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Title: Noninvasive brain stimulation to suppress craving in substance use disorders: review of human evidence and methodological considerations for future work

Author: Antoine Hone-Blanchet Domenic A Ciraulo Alvaro Pascual-Leone Shirley Fecteau



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1 **Highlights**

- 2 1. We have reviewed studies using rTMS and tES to reduce craving in SUDs
- 3 2. Both brain stimulation techniques can induce significant changes in craving
- 4 3. Craving reduction did not reach clinical significance in all studies
- 5 4. Methodological discrepancies may explain the different conclusions
- 6 5. Parameters need to be addressed in future works to promote therapeutic potential

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10 **Authors:** Antoine Hone-Blanchet¹, Domenic A Ciraulo³, Alvaro Pascual-Leone², Shirley Fecteau^{1,2}

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12 **Affiliations:**

- 13 1) Laboratory of Canada Research Chair in Cognitive Neuroscience, Centre Interdisciplinaire de
14 Recherche en Réadaptation et Intégration Sociale, Centre de Recherche l'Institut Universitaire
15 en Santé Mentale de Québec, Medical School, Laval University, Canada;
- 16 2) Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical
17 Center, Harvard Medical School, USA;
- 18 3) Massachusetts General Hospital, Harvard Medical School, USA.

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30 **Corresponding author contact information:**

31 1050, avenue de la Médecine, Université Laval, Québec (Québec) Canada, G1V 0A6.
32 Shirley.fecteau@fmed.ulaval.ca

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