INPLASY PROTOCOL

Corresponding author:
Carmen Concerto

c.concerto@policlinico.unict.it

Author Affiliation:
University of Catania.

Transcranial Magnetic Stimulation for the treatment of Gambling Disorder: a systematic review

Concerto, C[1]; Signorelli, MS[2]; Natale, A[3]; Di Francesco, A[4]; Chiarenza, C[5]; Torrisi, G[6]; Ciancio, C[7]; Mineo, L[8]; Aguglia, A[9]; Rodolico, A[10]; Lanza, G[11]; Battaglia, F[12].

Review question / Objective: What is the effect of Transcranial Magnetic Stimulation on Gambling Disorder?
Condition being studied: Gambling Disorder.
Eligibility criteria: Inclusion criteria: studies evaluating the use of Transcranial Magnetic Stimulation for the treatment of Gambling Disorder (regardless of comorbidities) including randomized, non randomized studies, and observational/descriptive studies such as case reports and case series written in English; studies exploring an adult population, over the age of 18.

INTRODUCTION

Review question / Objective: What is the effect of Transcranial Magnetic Stimulation on Gambling Disorder?

Condition being studied: Gambling Disorder.

METHODS

Search strategy: We will search the following electronic databases: MEDLINE (through PubMed), EMBASE, and Web of Science.

Participant or population: Adults with Gambling Disorder.

Intervention: Repetitive and Theta Burst Transcranial Magnetic Stimulation.

Comparator: Sham stimulation.

Study designs to be included: Randomized and non randomized studies (single and double-blind), and observational/descriptive studies such as case reports and case series.

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Information sources: We will search the following electronic databases: MEDLINE (through PubMed), EMBASE, and Web of Science.

Main outcome(s): Changes in clinical outcomes.

Quality assessment / Risk of bias analysis: CC and a second reviewer will independently assess risk of bias using the Cochrane Risk of Bias tool, considering how the sequence was generated, how allocation was concealed, integrity of blinding at outcome, completeness of outcome data, selective reporting, and other biases.

Strategy of data synthesis: We will provide a narrative synthesis of the findings from the included studies.

Subgroup analysis: We will provide a narrative synthesis of findings according to the types of stimulation parameters and the outcome measures.

Sensitivity analysis: No sensitivity analysis are planned.

Language restriction: English.

Country(ies) involved: Italy.

Contributions of each author:
Author 1 - Carmen Concerto.
Email: c.concerto@policlinico.unict.it
Author 2 - Maria Salvina Signorelli.
Email: maria.signorelli@unict.it
Author 3 - Antimo Natale.
Email: antimo.natale@yahoo.it
Author 4 - Antonio Di Francesco.
Email: antonio.di.francesco96@gmail.com
Author 5 - Cecilia Chiarenza.
Email: cecilia.chiarenza11@gmail.com
Author 6 - Giulia Torrisi.
Email: giuliatorrisi2305@gmail.com
Author 7 - Alessia Ciancio.
Email: alessia.ciancio@gmail.com
Author 8 - Ludovico Mineo.
Email: ludwig.mineo@gmail.com
Author 9 - Andrea Aguglia.
Email: andrea.aguglia@unige.it
Author 10 - Alessandro Rodolico.
Email: alessandro.rodolico@me.com
Author 11 - Giuseppe Lanza.
Email: glanza@oasi.en.it
Author 12 - Fortunato Battaglia
Email: fortunato.battaglia@hmhn.org