Open-label pilot to test a novel 1 Hz intensive repetitive transcranial magnetic stimulation paradigm in patients with anxiety.

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Study Summary

Title	Open-label pilot to test a novel 1 Hz intensive repetitive transcranial magnetic stimulation paradigm in patients with anxiety.
Short Title	Open-label 1 Hz rTMS pilot
IRB Number	
Phase	Pilot Study
Methodology	Open-label
Study Duration	1 years
Study Center(s)	Single-center
Objectives	**Aim 1:** Determine the effect of a 1-week course of intensive 1 Hz stimulation on anxiety potentiated startle **Aim 2:** Determine the effect of a 1-week course of intensive 1 Hz stimulation on attention control.
Number of Subjects	10
Main Inclusion and Exclusion Criteria	Anxiety patients, between 18 – 50 years old, free of psychological and neurological conditions, free of contra-indications for TMS and MRI

Statistical Methodology	**Aim 1:** Outcome measures. Anxiety potentiated startle (APS) Statistical Analysis. The main analysis will be a paired-sample t-test (pre vs. post stimulation). **Aim 2:** Outcome measures. Accuracy and reaction time during the visual short term memory task (VSTM). Statistical Analysis. The main analysis will be a 2 [stimulation: pre-stimulation vs. post-stimulation] by 2 [load: low vs. high] repeated-measures ANOVA.
Data and Safety Monitoring Plan	The Principal Investigator is responsible for detecting, documenting, and reporting unanticipated problems (UPs), adverse events (AEs), including serious adverse events (SAEs), and deviations in accordance with IRB requirements and federal regulations.