
Participant Criteria

We are looking for participants who:

- Are 18+ years of age
- Have a diagnosis/prominent symptoms of OCD

We reluctantly cannot accept any participants who:

- Have any brain lesions or other clinically significant abnormalities
- Are pregnant
- Have any non-MRI safe implants
- Have a history of epilepsy / seizure

Contact Us

If you are interested in learning more about TMS, or have any questions or concerns about our study, please contact us below.

Scan the code or go to the link below:

redcap.link/OCDStudy



Email us directly at:

TMSOCDstudy@stanford.edu

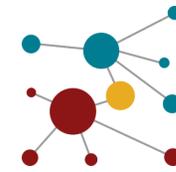
Or call us at: **650-800-6920**

bsl.stanford.edu/for-patients

Brain Stimulation Lab

Department of Psychiatry and Behavioral Sciences
401 Quarry Road
Stanford, CA 94305

For participant's rights, call 1-866-680-2906.



Brain
Stimulation
Lab

Transcranial Magnetic Stimulation

for

Obsessive Compulsive Disorder (OCD)



What is TMS?

Background

Transcranial magnetic stimulation (TMS) is an **FDA-approved, non-invasive** form of brain stimulation for OCD.

About the TMS Technology

Our lab utilizes the Magventure MagPro System. More information can be found at www.magventure.com.

We are using an accelerated stimulation protocol which is not FDA-approved but has been deemed as non-significant risk by the FDA.

Procedure

During your TMS treatments, you will be awake and sitting in a chair. A magnetic device is placed over your head (pictured left). This device transmits magnetic waves to brain regions linked to OCD by research.

Potential Side Effects/Risks

Common side effects may include discomfort at the stimulation site, headache, and/or fatigue. The potential risk of TMS is seizure, but this is quite rare with an incidence rate of one in every 100,000 cases (1:100,000).



Study Background

TMS has been shown to be an **effective form of treatment** in individuals with OCD.

By using a form of TMS termed **theta-burst stimulation (TBS)**, we hope that this will result in a more effective treatment by producing **faster symptom reduction**.

Standard FDA-approved protocols involve an 18-minute stimulation 5 days a week for a total of 6 weeks.

We are trialing a novel form of accelerated TMS, where we will deliver **ten 10-minute sessions per day, for 5 days**.

Target Brain Regions

This study will compare the efficacy of TMS for OCD at two distinct brain regions. Participants will be **randomized into one of two study groups**, and receive stimulation at either the DMPFC or R-OFC. Both regions have been linked to OCD by research.

Dorsal Medial Prefrontal Cortex (DMPFC)



Superior View

Right Orbitofrontal Cortex (R-OFC)



Lateral View

Patients that don't respond to their study region will have the option to receive stimulation at the other region.