What is Transcranial Magnetic Stimulation?

Transcranial magnetic stimulation (TMS) is an FDA approved, safe and effective treatment for psychiatric conditions including depression, anxiety associated with depression and obsessive-compulsive disorder (OCD). TMS works by using MRI strength magnetic pulses to stimulate specific regions of the brain. It is an outpatient procedure that does not affect cognition so patients can leave the session without assistance and immediately resume their daily activities.

TMS is typically recommended when other treatments, such as medications and psychotherapy, have not been helpful. Approximately 50-60% of people with medication resistant depression will experience a clinically meaningful response with 20-30% reaching full remission, meaning complete resolution of symptoms. Since TMS does not involve the use of psychiatric medications, it is also considered in individuals who have difficulties tolerating antidepressants due to side effects.

Eligibility

Major Depressive Disorder (MDD) - An individual between the ages of 18 – 68 may be eligible to receive TMS treatment for **MDD** if they meet the following criteria:

- Confirmed diagnosis of severe MDD, single or recurrent episode
- Has tried a course of evidence-based psychotherapy, with weekly or greater frequency for at least 6 weeks
- Treatment-resistance or inability to tolerate other treatments, demonstrated by at least one of the following:
 - At least one failed medication trial in the current depressive episode; or
 - o History of two medication trials from two different classes; or
 - History of treatment with rTMS or electroconvulsive therapy (ECT)
- No significant contraindications (e.g. seizure disorder, metal devices implanted in head or neck)

Obsessive Compulsive Disorder (OCD) - An individual between the ages of 18 – 68 may be eligible to receive TMS treatment for **OCD** if they meet the following criteria:

- Confirmed diagnosis of OCD
- Has tried a course of *evidence-based psychotherapy* known to be effective for OCD, with weekly or greater frequency for at least 8 weeks
- Treatment-resistance or inability to tolerate other treatments, as demonstrated by at least one of the following:
 - At least two failed medication trials administered for a minimum of 8 weeks; or
 - o History of two medication trials from two different classes; or
 - o History of treatment with rTMS for OCD; or
 - Is currently taking antipsychotics, opioids, benzodiazepines, glutamatergic agents, or other agents which could be considered investigational or risky
- No significant contraindications (e.g. seizure disorder, metal devices implanted in head or neck)

To place a referral for the CU Medicine TMS Clinic, please complete and email the following forms to DOP.PsychNAT@cuanschutz.edu. Note that this content will be reviewed within a timeline that is dependent on our team's ability to schedule an appointment at the time it is received.

CU TMS Clinic -Referring Clinician Questionnaire MDD

REFERRING CLINICIAN/FACILITY:		PHONE #:	FAX #:
PATIENT NAME:	DOB:	MRN:	Gender:
HEALTH PLAN:			00.100.1
POLICY #:			
INITIAL TREATMENT			
1. Has a confirmed diagnosis of severe m			
Pre-treatment rating scale: GDS:, PHQ-9:			 :
AND	<u></u>		
2. One or more of the following:			
Resistance to treatment with psychopharmacologic agents as evidenced by a lack of a clinically significant response to one adequate trial of			
at least six weeks duration of psychopharmacologic agents in the current depressive episode from at least two different agent classes as			
documented by standardized rating scales that reliably measure depressive symptoms (GDS, PHQ-9, BDI, HAM-D, MADRS, QIDS, or IDS-SR); or			
Inability to tolerate psychopharmacologic agents as evidenced by two trials of psychopharmacologic agents from two different agent classes ; or			
History of response to rTMS in a previous dep	pressive episode: or		
History of response to ECT in a previous or current episode, or an inability to tolerate ECT, or is a candidate for, but has declined ECT and			
rTMS is considered a less invasive treatment	option.		
*Note for reference: Remission is typically defined by the follow on the HAM-D-17 and <11 on the HAM-D-24, Montgomery-As			
AND			
☐ 3. A trial of an evidence-based psychotherapy known to be effective in the treatment of MDD of an adequate frequency and duration without significant improvement in depressive symptoms as documented by standardized rating scales that reliably measure			
depressive symptoms (GDS, PHQ-9, BDI, HAM-D, MADRS, QIDS or IDS-SR).			
AND			
4. The order for treatment (or retreatment) is written by a psychiatrist (MD or DO), who has examined the patient and reviewed the record. The treatment shall be given under direct supervision of a qualified physician.			
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