

## Transcranial Magnetic Stimulation to Augment Behavior Therapy for Tics: R33 Phase

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** 12 years to 21 years old

This study is NOT accepting healthy volunteers

**Inclusion Criteria:**

- between the ages of 12 – 21 - currently experiencing chronic motor and/or vocal tics - right-handed - able to undergo MRI - study staff will review additional exclusion criteria

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**Exclusion Criteria:**

- left-handed - currently receiving therapy focused on tics - currently taking neuroleptic/antipsychotic medications

### Conditions & Interventions

**Interventions:**

Other: CBIT +cTBS, Other: CBIT +sham cTBS

**Conditions:**

Brain & Nervous System, Children's Health, Mental Health & Addiction

**Keywords:**

TMS, Tourette's syndrome, Vocal tics, CBIT, Motor tics, Tic Disorder

### More Information

**Description:** This study will look at the effects of treatment combining Comprehensive Behavioral Intervention for Tics (CBIT) and Transcranial Magnetic Stimulation (TMS) for young people who have tic disorder. Participants must be 12- 21 years old and able to have an MRI. All participants will receive 10 daily sessions of CBIT, a well-established behavioral treatment that is considered to be the first treatment for tics. Participants will also be assigned randomly (by chance) to receive TMS or a sham (treatment not delivered) just before each CBIT session. The device for TMS delivers electromagnetic stimulation to a specific area of the brain with a small coil on the scalp. The effectiveness of the CBIT for the two groups, with and without the TMS, will be compared.

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**Phase:** PHASE2

**IRB Number:** STUDY00023755

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