

Transcranial Magnetic Stimulation to Augment Behavior Therapy for Tics

Status: Recruiting

Eligibility Criteria

Sex: All

Age: Not specified

This study is NOT accepting healthy volunteers

Inclusion Criteria:

-- 12-21 years old -- right-handed -- able to undergo MRI -- currently experiencing chronic motor and/or vocal tics

Exclusion Criteria:

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

Conditions & Interventions

Interventions:

Behavioral: Comprehensive Behavioral Intervention for Tics (CBIT), Device: Repetitive Transcranial Magnetic Stimulation (rTMS), Device: Continuous Theta Burst Stimulation (cTBS)

Conditions:

Brain & Nervous System, Children's Health, Mental Health & Addiction, Tic Disorders, Tics, Tic, Motor, Tic Disorder, Childhood, Tourette Syndrome, Tourette Syndrome in Children, Tourette Syndrome in Adolescence

Keywords:

CBIT, TMS, Tourette's, neurodevelopmental disorders, tics, transcranial magnetic stimulation

More Information

Description: The study will examine whether combining Comprehensive Behavioral Intervention for Tics (CBIT) with inhibition of the supplementary motor area (SMA) using transcranial magnetic stimulation (TMS) normalizes activity in the SMA-connected circuits, improves tic suppression ability, and enhances CBIT outcomes in young people with tic disorder. The study will also examine different TMS dosing strategies.

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Phase: N/A

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