

Validation of Flexible, Wearable Sensors to Detect and Monitor Tics

Status: Recruiting

Eligibility Criteria

Sex: Male or Female

Age Group: Not specified

This study is NOT accepting healthy volunteers

Inclusion Criteria:

- 10 to 21 years old - must have chronic tics present for at least 1 year - must have at least one facial tic that occurs at least approximately once every 2-5 minutes

Exclusion Criteria:

- active acute skin disorders - previous diagnosis of psychosis or cognitive disability - currently suicidal

Conditions & Interventions

Conditions:

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

Keywords:

Tic disorders, Tics, Tourette Syndrome

More Information

Description: The goal of this study is to design wearable, comfortable sensors to measure muscle movement during tics. Small, flexible EMG sensors (the size of the head of a pin) will be embedded in a "band-aid like" plastic sticker which is placed on the side of the face. Participants will be video recorded as they complete movement tasks. The entire visit will take approximately 2 hours.

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IRB

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