

# Cumulative and Booster Effects of Multisession Prefrontal Transcranial Direct Current Stimulation in Adolescents With ASD

NCT05492032

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Status	RECRUITING
Phase	Not Applicable
Sponsor	The Hong Kong Polytechnic University
Enrollment	150 participants

## Key Eligibility Criteria

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### Inclusion (3)

- Individuals who are confirmed by a clinical psychologist based on the Diagnostic and Statistical Manual of Mental Disorders-5th Ed (DSM-V) criteria of Autism spectrum disorder and structured interview with their parents or primary caregivers on their developmental history using the Autism Diagnostic Interview-Revised (ADI-R).
- Individuals with ASD who are comorbid with ADHD symptoms will be included if they were willing to abstain from the use of these medications at least 96 hours before the commencement, until the completion, of the treatment.
- In view of the fact that neuroadaptation to antipsychotics typically occurs within six months, potential participants who are prescribed antipsychotic medications will only be included if the dosage of the medication remained unchanged for six months or more before the experimental period.

### Exclusion (3)

- Individuals without a confirmed diagnosis from the clinical psychologist, with a history of other neurological and psychiatric disorders and head trauma, or on psychiatric medication will be excluded from the study.
- In view of the possibility of seizure induction by tDCS, potential ASD participants comorbid with epilepsy will be excluded.
- Potential participants comorbid with mood or anxiety disorders will also be excluded.

## Locations (1 total)

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The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong