A symptom-based examination of possible electrophysiological measures of Autism Spectrum Disorder (ASD).

Published: 22-06-2016
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Using electroencephalography to relate behavioural research on Autism Spectrum Disorder (ASD) to electrophysiological findings.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Communication disorders and disturbances
Study type	Observational non invasive

Summary

ID

NL-OMON43190

Source
ToetsingOnline

Brief title
Electrophysiological Indicators of Autism.

Condition

- Communication disorders and disturbances

Synonym
autism, infantile schizophrenia

Research involving
Human

Sponsors and support

Primary sponsor: Yulius
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Autism, EEG, Symptoms

Outcome measures

Primary outcome

The primary outcome parameter is EEG, but also EOG, ECG, and GSR will be

recorded.

Secondary outcome

Not applicable.

Study description

Background summary

Psychiatric diagnoses are based on behavioural characteristics. However, the focus on neurobiological substrates of this behaviour is increasing, influenced by the development of new techniques that focus on biological instead of behavioural derivatives of brain activity.

Study objective

Using electroencephalography to relate behavioural research on Autism Spectrum Disorder (ASD) to electrophysiological findings.

Study design

We will examine the electrophysiological basis of two phenotypical observations in ASD: deviant social behaviour and deviant emotion regulation. Based on previous research, social behaviour will be related to resting-state EEG. Emotion regulation will be related to the late positive potential (LPP).

Study burden and risks

No risks are anticipated. The electrophysiological measures (EEG, EOG, ECG, GSR), the behavioural measures (the three used questionnaires), and the used stimuli during the tasks have been used many times before without any problems.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

Diagnosis of Autism Spectrum Disorder, IQ of 85 or higher based on recent (not older than two years) examination. When IQ is not known based on recent examination, a new test can be administered. This will be done after consulting the potential participant.

Exclusion criteria

Sensory impairments (e.g. blindness), secondary psychiatric disorders that might impact the dependent variables (e.g. social anxiety), no stable medication use (during the last three months).

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Basic science

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	03-02-2017
Enrollment:	60
Type:	Actual

Ethics review

Approved WMO Date:	22-06-2016
Application type:	First submission
Review commission:	MEC-U: Medical Research Ethics Committees United (Nieuwegein)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL57428.101.16