

Voice and speech characteristics of people with schizophrenia and autistic disorders.

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Ethical review	Approved WMO
Status	Recruiting
Health condition type	Psychiatric disorders NEC
Study type	Observational non invasive

Summary

ID

NL-OMON31636

Source

ToetsingOnline

Brief title

Voice characteristics in autism and schizophrenia

Condition

- Psychiatric disorders NEC

Synonym

autism, schizophrenia

Research involving

Human

Sponsors and support

Primary sponsor: Dr. Leo Kannerhuis

Source(s) of monetary or material Support: vanuit de instelling zelf

Intervention

Keyword: autism, schizophrenia, voice characteristics

Outcome measures

Primary outcome

The primary study parameters are the non-verbal characteristics of speech analysed by SPRAAK software developed by the University of Amsterdam.

Secondary outcome

There are no secondary study parameters or outcome parameters in this study.

Study description

Background summary

It has long been known that people with schizophrenia and people with an autistic spectrum disorder have speech peculiarities. This phenomenon has been described in the context of schizophrenia (Bleuler) and autism (Kanner, Asperger). Within the common paradigm the etiology of both disorders is different. Autism has a stronger genetic component than schizophrenia which can be diagnosed from an age of 18, whereas autism may be diagnosed in very young children.

This gives rise to the hypothesis that autism influences the speech development because of the age at which autism influences the development as a whole (at a pre-verbal age).

Study objective

This study aims to investigate the possible differences in speech characteristics of people with schizophrenia and autism, compared to people without a psychiatric diagnosis. Also, the possibility of creating a new means of improving the differential diagnosis between schizophrenia and autism, will be investigated.

Study design

Participants will be asked to complete three tasks which will be recorded by a solid-state recording device and analysed by special speech characteristic software.

The first task entails repeating 10 sentences from the Reynell language test. The second task is answering an open question like "what do you like to do in the weekend?". Participants' answers will be recorded for approximately one minute.

The third (and last) task consists of describing the "Cookie theft" picture.

The second part of the study design entails asking a group of psychiatrists and psychologists to listen to the recordings (which will be made unintelligible) and try to make the distinction between the participants with schizophrenia, autism and the control group.

Study burden and risks

The nature and extent of the burden and risks for the participants are very small. There is no intervention in the treatment, nor will the treatment be influenced by the study. Participants will be asked to complete a single measurement as described above.

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

Sekse=male gender

age= 18-40

diagnoses (DSM-IV TR)= autism, schizophrenia

Education level= at least primary school, mastery of the Dutch language

Informed consent

Exclusion criteria

Insufficient mastery of the Dutch language, including strong dialects and/or speech impairments.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)

Primary purpose: Basic science

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	07-09-2008
Enrollment:	60
Type:	Actual

Ethics review

Approved WMO

Date: 22-05-2008

Application type: First submission

Review commission: TWOR: Toetsingscommissie Wetenschappelijk Onderzoek
Rotterdam e.o. (Rotterdam)

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	NL18387.101.08