

Auditory Processing in young children

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

Summary

ID

NL-OMON32980

Source

ToetsingOnline

Brief title

Auditory Processing

Condition

- Hearing disorders

Synonym

(Central) Auditory Processing Disorder, APD

Research involving

Human

Sponsors and support

Primary sponsor: Erasmus MC, Universitair Medisch Centrum Rotterdam

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

Intervention

Keyword: APD, Auditory Processing, Auditory Processing Disorder, Children

Outcome measures

Primary outcome

The primary study parameters are the differences in detection thresholds for the three auditory tests and the two visual tests between the patients and the controls.

Secondary outcome

Gender, age, results of questionnaires, speech in noise test (words)

Study description

Background summary

Some children are having problems with understanding speech in situations with background noise, despite a normal peripheral hearing. Poor processing of sound (by brains), so called auditory processing disorder (APD), can be the cause of these problems. The psychophysical tests, nowadays used in the auditory centers, to diagnose these problems are poorly useful. However, the ages at which children presents themselves with these problems is getting younger. With this research we want to test a newly developed test battery to diagnose auditory processing disorders at younger ages. With this test battery we will try to distinguish between patients and controls. If this is possible we will try to distinguish between a purely auditory and a general problem within the group of patients, something that is not possible with the current diagnostic possibilities.

Study objective

With this study we will investigate if our test battery is able to distinguish between children with and without suspicion of auditory processing disorders. We also want to investigate the normale development of the auditory system of children between the ages 4.0 and 7.5.

Study design

This study is a case-control study. A new test battery is developed to test auditory processes in young children. With this test battery we will test two groups of children: one groep children suspect of APD and one group children,

control population, of a regular primary school.

Study burden and risks

Participation will not involve any physical risks. The test will take about 30 minutes per child. Besides testing the child, the parents and teacher are asked to fill in a questionnaire. The filling in will take about 5 minutes per questionnaire per child. The benefit of participation for the child is the screening for hearing problems. After participation the child will receive a little present.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Children (2-11 years)

Inclusion criteria

Patients: suspect of auditory processing disorder and normal peripheral hearing; Controls: age between 4.0 - 7.5 and normal peripheral hearing

Exclusion criteria

Patients: detected developmental disorder; Controls: speech therapy for more than an isolated speech-production problem, repeating a class, children with 'special care' , or detected developmental disorder

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):	05-06-2009
Enrollment:	68
Type:	Actual

Ethics review

Approved WMO	
Date:	03-06-2009
Application type:	First submission
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (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	NL26579.078.09