

Facing others; emotion processing and social functioning in children with (a)typical development

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

Summary

ID

NL-OMON48635

Source

ToetsingOnline

Brief title

Emotion recognition in children with (a)typical development

Condition

- Hearing disorders

Synonym

communicative difficulty, social learning

Research involving

Human

Sponsors and support

Primary sponsor: Universiteit Leiden

Source(s) of monetary or material Support: KNAW

Intervention

Keyword: child development, emotion recognition, hearing loss

Outcome measures

Primary outcome

In this study, we will examine recognition accuracy, eye-gaze patterns, and changes in pupil sizes during emotion recognition tasks.

Secondary outcome

- 1) Parent-reported level of social-emotional functioning
- 2) Cultural background

Study description

Background summary

Children with a hearing impairment often show lower social competence than their typically developing (TD) peers due to limited access to the social world. It is assumed that the limitation in social learning can be associated with the deficiencies in processing emotions. However, this link has not yet been fully understood.

Study objective

This study aims to examine how well children with a hearing loss can recognize emotions in comparison to their TD peers, and to investigate to what extent emotion processing patterns are similar between the clinical groups and the control group using eye-tracking technology. Besides, we investigate how children's ability to process emotions is associated with their social competence.

Study design

The topic will be investigated longitudinally (2 waves) and cross-culturally (in the Netherlands, China, and Taiwan). The test battery includes three eye-tracking emotion recognition tasks, two nonverbal intelligence tasks, and three parent-reported questionnaires on social competence.

Study burden and risks

Emotion processing underlies children's social development. The present project aims to understand the link between limited social learning and social-emotional development in children with a hearing loss based on multidimensional and cross-cultural data. While the social-emotional functioning in children with a hearing loss is often under-addressed in the literature and (re)habilitation programs, the present research intends to provide insights into this aspect, thereby contributing to an improved wellbeing of children. The risk associated with the participation is negligible and the burden minimized. The participants will be followed up by two waves of data collection. All the tasks are non-invasive behavioral tests and have minimum demand of auditory and verbal abilities. The participants need to sit still and look at the computer screen for 1.5 hours, but breaks will be given between the tests or whenever the participant needs one, and each test is not longer than 15 minutes. Parents of the participants need to fill out three questionnaires. All data, except for the consent forms, will be collected, processed, and analyzed in encrypted form.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Children (2-11 years)

Inclusion criteria

(1) Hearing loss group

- a) Between 3 and 8 years old;
- b) With congenital or prelingual mild-to-profound hearing loss;
- c) With a hearing aid or cochlear implant.

(2) Control (TD) group

- a) Between 3 and 8 years old;
- b) With normal hearing.

Exclusion criteria

- a) Younger than 3.0 years or older than 8.9 years;
- b) With an IQ lower than 80;
- c) Received laser eye surgery to correct vision, having progressive lenses for eyeglasses, or wearing contact lenses;
- d) With developmental disorders or other disabilities than hearing loss;
- e) Unable to use oral language.

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:	Other

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-04-2019
Enrollment:	100
Type:	Anticipated

Ethics review

Approved WMO	
Date:	24-04-2019
Application type:	First submission
Review commission:	METC Leiden-Den Haag-Delft (Leiden)
	metc-ldd@lumc.nl

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	NL65642.058.18