

The development of visual perception and social behavior in infants and toddlers

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The main objective of the study is to investigate the development of and relationship between visual perception and social behavior in infants and toddlers. Secondly, the the stability of measurements in infants and toddlers will be investigated.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON40587

Source

ToetsingOnline

Brief title

Visual and social development

Condition

- Other condition

Synonym

healthy development

Health condition

normale ontwikkeling

Research involving

Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Utrecht

Source(s) of monetary or material Support: NWO

Intervention

Keyword: Development, Infancy, Social behavior, Visual perception

Outcome measures

Primary outcome

EEG and eye-movement parameters which reflects various aspects of social cognition and perceptual processing. Social behaviors during parent-child interaction.

Secondary outcome

stability of EEG, eye-movement parameters and social measurements in infants and toddlers.

Study description

Background summary

In last few years it has become clear that the processing of socially relevant stimuli is dependent on visual perception. In a number of studies in children, we have demonstrated that impaired perceptual development is associated with a disruption in social stimulus processing. This is a potential cause of problems in social behavior, such as by autism. However, to get more insight in the relationship between visual perception and social behavior more research on these processes is needed in the very early development, namely in the infant and toddler age.

Study objective

The main objective of the study is to investigate the development of and relationship between visual perception and social behavior in infants and toddlers. Secondly, the the stability of measurements in infants and toddlers

will be investigated.

Study design

An observational non-invasive study. During the presentation of meaningless and social stimuli, looking behavior and electrical brain activity is recorded. In addition, during a (partially structured) play situation the parent-child interaction is videotaped.

Study burden and risks

Children and parents themselves do not benefit from the research. The risk of participation for the children is negligible and the load is low (a measurement time up to 5 periods of 15 minutes). The research is group-related, meaning that the research question cannot be answered without the participation of children in this age range.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Children (2-11 years)

Inclusion criteria

- age between 4 en 6 months
- age between 9 en 11 months
- age between 13 en 15 months
- age between 21 en 27 months
- age between 36 en 39 months
- informed consent from both parent (signed by the authorized parent(s))

Exclusion criteria

- born before 36 weeks or after o42 weeks
- to low birth weight (<2500 gram)
- developmental problems (as reported to parent by a doctor or health professional)
- vision or hearing impairment (as reported to parent by a doctor or health professional)

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 22-01-2015

Enrollment: 300

Type: Actual

Ethics review

Approved WMO

Date: 18-03-2014

Application type: First submission

Review commission: METC Universitair Medisch Centrum Utrecht (Utrecht)

Approved WMO

Date: 03-11-2014

Application type: Amendment

Review commission: METC Universitair Medisch Centrum Utrecht (Utrecht)

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

CCMO

ID

NL46494.041.13