Pilot EEG- and eyemovement studies in baby's

Published: 09-06-2011
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To do pilot research to investigate the possibilities of EEG and eyemovent studies on perceptual and social processing in baby's.

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

Summary

ID

NL-OMON38273

Source
ToetsingOnline

Brief title
EEG in baby's

Condition

- Other condition
- Communication disorders and disturbances

Synonym
autism

Health condition

normale ontwikkeling

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Utrecht
Source(s) of monetary or material Support: NWO;middels een VICI beurs

Intervention

Keyword: baby, EEG, eye movement

Outcome measures

Primary outcome

EEG and eyemovement parameters that reflect several aspects of perceptual and

social cognitive processing.

Secondary outcome

not applicable

Study description

Background summary

Recent studies have indicated that the processing of socially relevant stimuli is crucially dependent on perceptual processes. We have shown in several studies in children that a disturbance in perceptual development is directly related to impairments in the processing of social stimuli, especially in autism. In order to better understand this relation we need to study the very early development of aforementioned processes, i.e. to study baby's. At this moment, there is a lack of expertise in the research group with respect to this type of research in this age group.

Study objective

To do pilot research to investigate the possibilities of EEG and eyemovent studies on perceptual and social processing in baby's.

Study design

An observational non-invasive pilot study. During the presentation of meaningless abstract stimuli and faces looking behavior and electrical brain

activity of baby's will be registered.

Study burden and risks

Neither the children nor their parents benefit from the study. The risk for children as they participate in the study is virtually non-existent, their participational burden is low (the actual measurements take one hour at max, divided in phases of about 10 minutes). The study is related to this specific group, i.e. baby's, since the exerimental question can not be answered in another age range.

Contacts

Public
Universitair Medisch Centrum Utrecht

heidelberglaan 100 B01.324
Utrecht 3584 CX
NL
Scientific
Universitair Medisch Centrum Utrecht

heidelberglaan 100 B01.324
Utrecht 3584 CX
NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Children (2-11 years)

Inclusion criteria

Baby's between 0-14 months

Exclusion criteria

vision problems

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):	09-10-2011
Enrollment:	40
Type:	Actual

Ethics review

Approved WMO Date:	09-06-2011
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)
Approved WMO Date:	18-10-2012
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	ID
CCMO	NL36101.041.11