A comparison of laboratory and questionnaire assessment of the BIS and BAS

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1) To establish the concurrent validity of the objective Monetary Incentive Delay Task with the BIS/BAS questionnaire as measure of BIS and BAS functioning in healthy children, adolescents, and adults. 2) To get more insight in the development of...

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

Summary

ID

NL-OMON32635

Source
ToetsingOnline

Brief title
BIS and BAS

Condition

- Other condition

Synonym
n.a.

Health condition

geen aandoeningen

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Sint Radboud
Source(s) of monetary or material Support: Smartmix fonds

Intervention

Keyword: Behavioral Approach System, Behavioral Inhibition System, Development, Reward

Outcome measures

Primary outcome

1) The difference in reaction time between reward and neutral trials, and

between punishment and neutral trials of the Monetary Incentive Delay task.

2) The correlation between reaction times and self-, and parent-reported BIS

and BAS scores.

Secondary outcome

n.a.

Study description

Background summary

The concepts of Behavioral Approach System (BAS) and Behavioral Inhibition System (BIS) are used to describe how individual differences in neurobiological processes are manifested in motivation, affect and personality and are considered to be relevant to psychiatry. The BIS/BAS questionnaire has been developed to assess BIS and BAS functioning. Relatively little is known about these brain systems and objective measures of BIS and BAS are lacking. In the present study, we are interested in how personality differences in healthy children, adolescents, and adults influence reaction times in case of reward, punishment and neutral signals.

Study objective

1) To establish the concurrent validity of the objective Monetary Incentive Delay Task with the BIS/BAS questionnaire as measure of BIS and BAS functioning in healthy children, adolescents, and adults.

2) To get more insight in the development of reward processing.

Study design

An observational study.

Study burden and risks

Risks are not expected. The burden consists of one experimental session of 60 minutes. The benefit involves extended knowledge about the relationship between personality differences and reward processing in healthy children, adolescents, and adults. Because relatively little is known about the development of reward processing, children, adolescents as well as adults will form the target population of the present study.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adolescents (12-15 years)

Adolescents (16-17 years)
Adults (18-64 years)
Children (2-11 years)
Elderly (65 years and older)

Inclusion criteria

Children: Age between 8 and 12 years, IQ >= 80
Adolescents: Age between 13 and 17 years, IQ>= 80
Adults: Age between 18 and 35 years, IQ>= 80

Exclusion criteria

Psychiatric or somatic concerns, complaints or diseases
Use of medication
Cardiovascular disease currently or in the past
Neurological disorders (e.g. epilepsy) currently or in the past
Use of alcohol or drugs before of during the investigation

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):	02-06-2009
Enrollment:	180
Type:	Actual

Ethics review

Approved WMO Date:	20-01-2009
Application type:	First submission
Review commission:	CMO regio Arnhem-Nijmegen (Nijmegen)

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	NL25373.091.08