Brain Imaging in Aging under Stress

Published: 07-02-2013
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To test the age by stress interaction model by investigating how aging alters neural responses to environmental stress.

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

Summary

ID

NL-OMON37667

Source
ToetsingOnline

Brief title
BIAS

Condition

- Other condition

Synonym
N/A: healthy individuals

Health condition

Gezonde deelnemers

Research involving
Human

Sponsors and support

Primary sponsor: Radboud Universiteit Nijmegen
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: aging, brain, stress

Outcome measures

Primary outcome

Functional Magnetic Resonance Imaging (fMRI)

Secondary outcome

• Salivary levels of cortisol and alpha-amylase

• Self-report questionnaires

• Psychophysiological recordings (heart rate, blood pressure)

Study description

Background summary

Older adults show less effect of negative stressors on emotion regulation and emotional memory, in spite of a high prevalence of mood and anxiety disorders in late life.

Study objective

To test the age by stress interaction model by investigating how aging alters neural responses to environmental stress.

Study design

A counterbalanced, factorial, crossover design.

Study burden and risks

The risk associated with participation can be considered negligible and the burden can be considered minimal. No pharmacological or (otherwise) invasive interventions are applied. Participants will undergo non-invasive medical screening as well as two MRI sessions.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

Male, between 60 and 75 years of age, predominant right-handedness

Exclusion criteria

History of psychiatric treatment or current psychiatric treatment, history of neurological treatment or current neurological treatment, history of endocrine treatment or current endocrine treatment.

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:	Recruiting
Start date (anticipated):	01-06-2013
Enrollment:	48
Type:	Actual

Ethics review

Approved WMO

Date:	07-02-2013
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	NL39850.091.12