

Military Aggression Regulation Study

Published: 14-03-2013

Last updated: 24-04-2024

The study's objective is to measure neurobiological differences between veterans and military men with aggression regulation problems after deployment and healthy control participants.

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

Summary

ID

NL-OMON39980

Source

ToetsingOnline

Brief title

MARS

Condition

- Other condition
- Impulse control disorders NEC

Synonym

aggression, anger

Health condition

agressieregulatie problematiek

Research involving

Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Utrecht

Source(s) of monetary or material Support: Ministerie van Defensie

Intervention

Keyword: aggression, impulsivity, MRI, veterans

Outcome measures

Primary outcome

Differences in amygdala and prefrontal cortex activity, differences in startle response, differences in blood parameters as neuropeptide Y, vasopressin and testosterone, differences in performance on neuropsychological tasks between veterans with aggression regulation problems and healthy control participants.

Secondary outcome

n.a.

Study description

Background summary

Aggression regulation problems are a common complaint after deployment, however the underlying neurobiology of aggression regulation problems remains unknown. This study aims to examine which neurobiological abnormalities are associated with aggression regulation problems.

Study objective

The study's objective is to measure neurobiological differences between veterans and military men with aggression regulation problems after deployment and healthy control participants.

Study design

This study is a cross-sectional study with inclusion of a control group.

Study burden and risks

The burden and risks of this study are: (1) 36 ml of blood will be drawn from the participants, (2) An MRI scan can be perceived as uncomfortable, (3) the

psychological questionnaires and interviews can evoke unwanted feelings. Considering the objective and relevance of this study, this burden is evaluated as negligible.

Contacts

Public

Universitair Medisch Centrum Utrecht

Heidelberglaan 100
Utrecht 3584CX
NL

Scientific

Universitair Medisch Centrum Utrecht

Heidelberglaan 100
Utrecht 3584CX
NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

For participants with impulsive aggression, the following inclusion criteria:

- Soldiers and veterans (men) who participated in a military deployment (minimum 4 months)
- Age between 18 and 50 years
- Presence of problems with aggression as evidenced by either (I): the A1 or A2 criterion of the research diagnostic criteria for impulsive aggression "(Coccaro, 2012), or (II) evidence for problems with pent-up anger as revealed by answers to the screening questionnaire.
- Written informed consent; For control participants, the following inclusion criteria:

- Healthy men
- Age between 18 and 50 years
- Written informed consent
- No (current) DSM-IV Axis-I disorder
- No evidence of problems with aggression

Exclusion criteria

- Alcohol / substance abuse and / or dependence
- Severe neurological diseases (eg Parkinson's disease, stroke, MS); Exclusion for MRI procedure:
- Claustrophobia, pacemaker (or other implants), or metal objects in the body causing an MRI scan is not possible.
- Current use of psychotropic drugs (benzodiazepines, antidepressants, antipsychotics, anticonvulsants)

Study design

Design

Study type:	Observational invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Basic science

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	14-05-2013
Enrollment:	100
Type:	Actual

Ethics review

Approved WMO	
Date:	14-03-2013
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)
Approved WMO	
Date:	05-05-2014
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	ID
CCMO	NL42537.041.12