

Misophonia: an imaging study on the neurobiology and the efficacy of cognitive behavioural therapy

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Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Psychiatric disorders NEC
Study type	Observational invasive

Summary

ID

NL-OMON35548

Source

ToetsingOnline

Brief title

Misophonia: an imaging study on the neurobiology

Condition

- Psychiatric disorders NEC

Synonym

Hatred of sound

Research involving

Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum

Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Aggressiveness, Impulsivity, Misophonia, Sound

Outcome measures

Primary outcome

Main study parameters:

- Change in symptom severity as measured with the Amsterdam Misophonia Scale (AMISS) and Clinical Global Impression Scale (CGI)
- fMRI
- EEG
- Neuropsychological paradigms
- Genetic outcomes

Secondary outcome

Psychiatric questionnaires (HARS, HDRS, IOA, AVL, SCL-90R)

Study description

Background summary

Rationale: Misophonia is a currently underrecognized and uninvestigated condition in which specific sounds, commonly produced by human beings, trigger impulsive aggressiveness in apparently normal people. The intensity of the anger initiates a profound feeling of loss of self-control which causes significant avoidant behaviour that result in limited social contacts and functioning.

Recently, diagnostic criteria have been formulated by Schröder and Denys to distinguish it as a separate psychiatric disorder. Subsequently, a pilot group therapy consisting of cognitive behavioural therapy (CBT) and psychomotor therapy (PMT), has been treated in the AMC, which resulted in significant symptom reduction in the majority of the patients.

Study objective

The objective for this study is threefold. The first goal is to objectify differences in brain function between patients and normal controls. The second objective is to support preliminary findings that the combination of CBT/PMT is an effective treatment for misophonia. In addition, we will determine the effects of CBT/PMT on functional activation of the brain in misophonia patients. The final goal is to determine the genetic and epigenetic factors involved in misophonia and its treatment.

Study design

Study design: an open-label case-control study.

Study burden and risks

Patients:

- 10 weeks in a row, weekly CBT sessions. Daily homework assignments.
- before, after 5 weeks and after finishing therapy: psychiatric questionnaires
- bloodsamples will be taken before and after CBT treatment

Both patients and controls:

- Before and after treatment: two days of imaging (MRI and EEG)

Contacts

Public

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

Symptoms of misophonia

18-65 yrs

Exclusion criteria

Major Depression

Anxiety disorders

Bipolar disorder

Autism Spectrum Disorders

Psychotic disorders

Epilepsia/CNS disorders

Study design

Design

Study phase: 2

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): 12-03-2012

Enrollment:	60
Type:	Actual

Ethics review

Approved WMO	
Date:	16-01-2012
Application type:	First submission
Review commission:	METC Amsterdam UMC

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	NL37726.018.11