

Training alcohol-related attentional biases in alcohol-dependence. What are the neurocognitive effects?

No registrations found.

Ethical review	Not applicable
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON24784

Source

NTR

Brief title

ABM - fMRI

Health condition

Alcohol dependence

Sponsors and support

Primary sponsor: Department of Developmental psychology, University of Amsterdam

Department of Psychiatry, Academic Medical Centre Amsterdam.

Source(s) of monetary or material Support: ERAB grant EA1442

Intervention

Outcome measures

Primary outcome

fMRI indices of attentional processing of alcohol-associated images will be taken both before

and after the end of the training regimen. Changes in neural effects will be one outcome variable.

Changes in biases to alcohol-associated stimuli will also be investigated.

Propensity to relapse and number of drinks consumed and frequency of alcohol use in the month following the training

Secondary outcome

Propensity to relapse and number of drinks consumed and frequency of alcohol use in the month following the training

Study description

Study objective

Training should affect attentional control processes specifically associated with alcohol-related stimuli. As a result, training as an additional treatment on top of CBT should reduce biases to alcohol-associated stimuli which have been linked with craving a relapse propensity. We expect that those individuals allocated to the training group should show reduced biases, also reflected as neuronal changes in the control of attention. Additionally the training should facilitate abstinence.

Study design

Participants register on the trial
Undergo the baseline assessment session at Time point 1
Over the next 6 time-points, they undergo online training
Time point 8 will be the post-training assessment session
One month after Time point 8, they will fill in a questionnaire with information about the drinking behaviour during the month after the training.

Intervention

Attentional bias modification training or active placebo will be given at random and double blind to a group of alcohol dependent outpatients from clinics recruited in and around Amsterdam.

The real intervention is designed to train a person's ability to actively allocated attention to images of non-alcohol-containing beverages, while ignoring images of alcohol-containing drinks. thus the real training will involve training processes of attentional control in the presence of alcohol-associated images. On the other hand, the active placebo training condition will involve training attentional control processes more generally and not specific to alcohol-associated images.

All participants will receive a month of training, which is equivalent to 6 training sessions in total conducted over the internet.

Contacts

Public

[default]
The Netherlands

Scientific

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Eligibility criteria

Inclusion criteria

- Male and female patients, aged between 18-70 years
- Current DSM-V diagnosis of alcohol dependence
- Right-handed.
- Within the normal BMI range (18-30).
- Able to speak and understand Dutch.
- Able to speak and understand English.

Exclusion criteria

- Impairments in visual processing or in hand-eye coordination (this would make it difficult for patients to perform properly in the scanner)
- Being on any anti-craving medication (baclofen, acamprosate, naltrexone, disulfiram, or topiramate)
- No previous or current abuse of drugs other than alcohol (excluding nicotine, cannabis and caffeine)
- Pregnancy, trying to conceive or breastfeeding.
- Having any metal implants, working or having worked with metal, teeth braces or bridges, tattoos above the shoulder, or cardiac pacemaker.

Study design

Design

Study type:	Interventional
Intervention model:	Factorial
Allocation:	Randomized controlled trial
Masking:	Double blinded (masking used)
Control:	Active

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	15-10-2015
Enrollment:	60
Type:	Anticipated

Ethics review

Not applicable	
Application type:	Not applicable

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
NTR-new	NL5246
NTR-old	NTR5503
Other	AMC ethics number - NL49033.018.14 : ERAB Grant - EA1442

Study results