

Stages in addiction

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The main aim of the proposal is to study the processes involved in non-chronic vs. chronic drug seeking behavior in samples of alcohol dependent persons (ADs) and pathological gamblers (PGs) with different levels of chronicity. We thereby rely on...

Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON24978

Bron

NTR

Aandoening

Addiction; Pathological Gambling; Alcohol dependence; gambling addiction;

Ondersteuning

Primaire sponsor: AMC, Amsterdam

Overige ondersteuning: NWO

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

- Balance between goal-directed and habitual responding as determined by the habit task

- Interaction between response inhibition and salience attribution as determined by the affective Go/NoGo task

- The effect of affective stimuli on working memory performance as determined by the affective working memory task

- Brain activation as measured with fMRI (Blood Oxygen Level Dependent or BOLD

responses) during the habit task, the affective Go/NoGo task and the affective working memory task

- Connectivity between brain areas: DLPFC-limbic reward circuitry, DLPFC-basal ganglia connectivity, during performance of a cognitive flexibility task and during performance of a cue-reactivity reduction task.

- Baseline fMRI measures, and connectivity after rTMS in an fMRI session in comparison to connectivity during baseline (within subjects comparison). Differences in brain connectivity between non-chronic and chronic alcohol dependence group and pathological gambling group, and healthy control group.

Toelichting onderzoek

Achtergrond van het onderzoek

The main aim of the proposal is to study the processes involved in non-chronic vs. chronic drug seeking behavior in samples of alcohol dependent persons (ADs) and pathological gamblers (PGs) with different levels of chronicity. We thereby rely on knowledge derived from animal work and implement tests of impulsivity, compulsivity, goal-directed and habitual behavior and positive and negative reinforcement.

Doel van het onderzoek

The main aim of the proposal is to study the processes involved in non-chronic vs. chronic drug seeking behavior in samples of alcohol dependent persons (ADs) and pathological gamblers (PGs) with different levels of chronicity. We thereby rely on knowledge derived from animal work and implement tests of impulsivity, compulsivity, goal-directed and habitual behavior and positive and negative reinforcement.

Onderzoeksopzet

N/A

Onderzoeksproduct en/of interventie

None

Contactpersonen

Publiek

Tim van Timmeren
Amsterdam
The Netherlands
020 8913754

Wetenschappelijk

Tim van Timmeren
Amsterdam
The Netherlands
020 8913754

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Inclusion process: Potential participants are informed about the study and receive an information letter. After this, they are contacted by telephone. If interested to participate, screening for inclusion and exclusion criteria is performed, using structured diagnostic interviews, e.g. Composite International Diagnostic Interview (World Health Organisation, 1997). Relevant sections are included: demographics; alcohol use disorders; substance use disorders; depressive disorders and mania; psychotic disorders and post-traumatic stress disorder. The following sections are included from the Diagnostic Interview Schedule (DIS, Robins, 1981): pathological gambling; antisocial personality disorder.

AD group:

Chronic group

- Recent DSM-V diagnosis of AD (<4 months past detoxification).
- Currently in treatment for AD (>3 weeks past detoxification)
- Seeking treatment for at least the third time lifetime and a minimum illness duration of 7 years (chronic addiction).

Non-chronic group

- Recent DSM-V diagnosis of AD (<4 months past detoxification).

- Currently in treatment for AD (>3 weeks past detoxification)
- Seeking treatment for the first time and with a maximum illness duration of 2 years (non-chronic addiction).

PG group:

Chronic group

- Recent DSM-V diagnosis of PG (active gambling <3 months ago).
- Seeking treatment for at least the third time lifetime and a minimum illness duration of 7 years (chronic addiction).

Non-chronic group

- Recent DSM-V diagnosis of PG (active gambling <3 months ago).
- Seeking treatment for the first time and with a maximum illness duration of 2 years (non-chronic addiction).

HC group:

- No diagnosis (current or history) of AD or PG.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Current major depressive disorder, bipolar disorder, psychotic disorder, alcohol or substance dependence, or any cognitive disorder as assessed with the MINI neurological disorders section

- IQ below 80
- insufficient command of the Dutch language
- MRI contraindications such as metal implants, claustrophobia, left-handedness, pregnancy
- recent (<2 weeks) use of psychotropic medication other than naltrexone (smoking and nicotine dependence is allowed in all groups).

- Endocrinological disorders or regular use of corticosteroids
- Current treatment with tricyclic antidepressant or antipsychotic medication
- Use of other psychotropic medication (apart from SSRI's), or of recreational drugs over a period of 72 hours prior to each test session, and use of alcohol within the last 24 hours before each measurement
- Irregular sleep/wake rhythm (e.g., regular nightshifts or cross timeline travel).

PG group and HC group:

- more than 21 alcoholic drinks/week for men and more than 15 drinks/week for women, history of AD

PG group:

- any other current substance dependence than PG.

AD group:

- current substance dependence other than AD.

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Factorieel
Toewijzing:	N.v.t. / één studie arm
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-03-2015
Aantal proefpersonen:	125

Type:

Verwachte startdatum

Ethische beoordeling

Niet van toepassing

Soort:

Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 41763

Bron: ToetsingOnline

Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL4945
NTR-old	NTR5049
CCMO	NL51301.018.14
OMON	NL-OMON41763

Resultaten