

The effects of single session Competitive Memory Training (COMET) and yohimbine on the saliency of positive autobiographical memories.

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If COMET increases the saliency of positive autobiographical memories, then memories that are activated during COMET (relative to no intervention control) should show an increase over time on all primary outcome measures, irrespective of medication...

Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON25731

Bron

Nationaal Trial Register

Verkorte titel

Enhancing the saliency of positive autobiographical memories

Aandoening

Positive autobiographical memories

COMET

Yohimbine

Positieve autobiografische herinneringen

Ondersteuning

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Overige ondersteuning: TOP grant ZonMW

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Ease of recollection, specificity, vividness and positive affectivity of positive autobiographical memories at pre-test (baseline), post-test (after medication intake and COMET intervention) and 2-day follow-up measured with 100mm VASs.

Toelichting onderzoek

Achtergrond van het onderzoek

A within-subjects study to test the effect of a single session COMET (vs. no intervention) and yohimbine (vs. placebo) on the retrievability and quality of positive autobiographical memories in healthy subjects

Doel van het onderzoek

If COMET increases the saliency of positive autobiographical memories, then memories that are activated during COMET (relative to no intervention control) should show an increase over time on all primary outcome measures, irrespective of medication administration. Therefore we expect that, relative to pre-test, ease of recollection, specificity, vividness and positive affectivity VAS scores at post-test and follow-up will be higher in memories that received COMET than memories that received no intervention.

If yohimbine strengthens intervention effects, then memories that are activated during COMET after yohimbine administration should show larger immediate and long-term effects of the intervention than memories that are activated during COMET after placebo administration. So, we expect that, relative to pre-test, ease of recollection, specificity, vividness and positive affectivity VAS scores at post-test and follow-up will be higher in memories in the yohimbine+COMET condition than memories in the placebo+COMET

condition.

Onderzoeksopzet

Pre-test (prior to medication intake and intervention), post-test (immediately after medication intake and intervention), and 2-day follow-up test.

Onderzoeksproduct en/of interventie

Participants select four mildly positive autobiographical memories. They receive two intervention sessions. During each session, one memory will be activated using COMET procedures and one memory will receive no intervention. During one of these sessions, yohimbine HCL (20mg) will be administrated and during the other session placebo.

In total there are four within-subjects conditions: yohimbine+COMET, yohimbine+no intervention, placebo+COMET, and placebo+no intervention.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Age 18-30
- Written informed consent
- Body Mass Index (BMI) between 17.5 and 26
- Passing the medical screening (heart rate and blood pressure, medical interview)
- In females: the use of reliable contraceptives (birth control pills or a hormonal intrauterine device)

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Assessed by physical exam:

- High blood pressure: systolic blood pressure over 140 mmHg, diastolic over 90 mmHg
- High heart rate: >90 beats per minute (bpm)

Assessed by interview:

- Inability to adequately read or speak Dutch
- Known sensitivity to yohimbine
- History of affective psychiatric disorders in the past 2 years
- Lifetime history of neurological disease (attention/memory disorders, epilepsy, convulsions)
- Current attention/memory problems
- Lifetime history of any cardiovascular problem, coronary insufficiency, congestive heart failure, heart block, tachycardia, myocardial infarction, hypertension, chronic obstructive pulmonary disease, bronchial asthma, renal disorders, liver disorders, diabetes
- Early age cardiovascular problems in first degree family members
- Fainting easily (can be indicative of cardiovascular problems)

- Chronic or frequent migraines
- Use of any medication
- Use of anti-inflammatory painkillers in the past 3 weeks
- Use of anxiolytics or antacids in the past week
- A score of ≥ 26 on the Anxiety Sensitivity Index (ASI: Reiss, Peterson, Gursky, & McNally, 1986) (in order to eliminate individuals who might have difficulty with any temporary symptoms induced by the yohimbine manipulation).
- Alcohol use of >2 units per day on one or more days during the past week
- Any drug use during the past month
- A score of ≥ 4 on the Fagerström Test for Nicotine Dependence (FTND: Heatherton, Kozlowski, Frecker, & Fagerstrom, 1991) (in order to eliminate individuals that are moderately or heavily dependent smokers).

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Cross-over
Toewijzing:	Gerandomiseerd
Blindering:	Dubbelblind
Controle:	Placebo

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-02-2017
Aantal proefpersonen:	30
Type:	Verwachte startdatum

Ethische beoordeling

Niet van toepassing

Soort:

Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL6591
NTR-old	NTR6765
Ander register	: ABR 63641

Resultaten