

MDMA and memory.

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The primary aim of the study is to qualify the neural network underlying memory impairment when performing on two memory tasks after a single dose of MDMA, compared to placebo.

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON24391

Bron

Nationaal Trial Register

Verkorte titel

N/A

Aandoening

MDMA induced memory impairment

Ondersteuning

Primaire sponsor: Dr J.G.Ramaekers

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Overige ondersteuning: Fund=initiator=sponsor

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1. Prospective and verbal memory;

2. Performance (behavior) and BOLD;

3. Response (during prospective memory task).

Toelichting onderzoek

Achtergrond van het onderzoek

Prospective memory refers to the realization of delayed intentions and is an ability that is at the heart of goal directed behavior in everyday life. A number of studies have shown that MDMA users perform worse on subjective and objective measures of prospective memory as compared to non drug using controls. Interpretation of these data however may be limited due to polydrug use, psychosocial stressors and increased psychopathology that have been reported in MDMA users. The present study was designed to directly assess the pharmacological effect of MDMA on prospective memory and brain activity in a double-blind, placebo controlled, cross-over study. Twelve recreational MDMA users received MDMA 75mg and placebo and performed an objective prospective memory task during functional imaging in a 3 Tesla MR scanner.

The present study was expected to provide:

1. direct evidence for the association between MDMA and memory impairment;
2. objective assessments of prospective memory function during MDMA intoxication;
3. neural structures critically involved in memory dysfunction during MDMA intoxication.

Doel van het onderzoek

The primary aim of the study is to qualify the neural network underlying memory impairment when performing on two memory tasks after a single dose of MDMA, compared to placebo.

Onderzoeksopzet

Assessments between 1.5 and 2.5 hrs post drug.

Onderzoeksproduct en/of interventie

Single doses of MDMA 75mg and placebo.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Experience with the use of MDMA (at least 5 times in the past 12 months);
2. Free from psychotropic medication;
3. Good physical health as determined by examination and laboratory analysis;
4. Absence of any major medical (except OAC), endocrine and neurological condition;
5. Normal weight, body mass index (weight/length²) between 18 and 28 kg/m²;
6. Found suitable for fMRI as confirmed by the fMRI checklist;
7. Written Informed Consent.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. History of drug abuse (other than the use of MDMA) or addiction;
2. Pregnancy or lactation;
3. Cardiovascular abnormalities as assessed by standard 12-lead ECG;
4. Excessive drinking (> 20 alcoholic consumptions a week);
5. Hypertension (diastolic> 100; systolic> 170);
6. Current or history of psychiatric disorder;
7. Presence of metal substances/parts in the body (fMRI exclusion criterium).

Onderzoeksopzet

Opzet

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

Deelname

Nederland	
Status:	Werving gestopt
(Verwachte) startdatum:	01-08-2005
Aantal proefpersonen:	16
Type:	Werkelijke startdatum

Ethische beoordeling

Positief advies	
Datum:	25-08-2008
Soort:	Eerste indiening

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	NL1355
NTR-old	NTR1416
Ander register	: MEC 05-090.3/pl
ISRCTN	ISRCTN wordt niet meer aangevraagd

Resultaten

Samenvatting resultaten

N/A