

Cocaine en creativiteit

No registrations found.

Ethical review	Not applicable
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON21211

Source

Nationaal Trial Register

Brief title

CREACOCKE

Health condition

No health problem; creativity in healthy volunteers

Sponsors and support

Primary sponsor: J. G. Ramaekers

Maastricht University

Source(s) of monetary or material Support: J. G. Ramaekers

Intervention

Outcome measures

Primary outcome

Creativity measures

Secondary outcome

Other measures (e.g. face recognition) and questionnaires

Study description

Background summary

Rationale. Large anecdotal evidence suggests that creative people sometimes use cocaine to help overcome "blocks". Indeed, the acute consumption of cocaine increases synaptic dopamine levels and induces optimism, mild euphoria, excitation, talkativeness, increased energy, and enhanced self-esteem; factors that are known to play a role in the creative process.

Surprisingly, no study, so far, has systematically looked into the acute effect of cocaine on creativity, which fundamental ingredients are convergent and divergent thinking. These two processes are differently affected by mood: positive mood leads to a better divergent thinking, but it lowers convergent thinking.

Objective. The current research proposal is designed to assess the influence of cocaine on creativity.

Study design & interventions. In the study, subjects will receive single doses of placebo and cocaine HCL 300 mg according to a double blind, cross-over design. Creativity will be assessed objectively after administration of cocaine with tasks measuring divergent thinking (e.g. Alternate Uses Task) and convergent thinking (e.g. Remote Associates Task).

It is expected that acute challenges with cocaine will induce two opposing effect on creativity.

That is, cocaine will increase mood leading to enhancement in divergent but not in convergent thinking.

Study population. Participants will be maximally 28 (N=24 + 4 drop-outs) recreational cocaine users (used cocaine on at least 12 separate occasions during the past two years) aged between 18 and 40 years. All participants will be medically screened before inclusion.

Main study parameters. Measures of divergent and convergent thinking.

Nature and extent of the burden and risks associated with participation, benefit and group relatedness. Participants will go through 2 sessions of approximately 3 hrs. The load for a subject during a test day is restricted to (1) taking study treatments, (2) taking blood samples, (3) filling out questionnaires and doing computer tasks (60 minutes). During the periods that they are not tested (breaks), they will be seated in a waiting room where they will be in close contact with one of the researchers. In case they experience (medical) complaints, the medical supervisor will be contacted.

Study objective

It is expected that acute challenges with cocaine will induce two opposing effect on creativity.

That is, cocaine will increase mood leading to enhancement in divergent but not in convergent thinking.

Study design

Start in September 2013 with recruitment and data inclusion. Data analysis in September 2014.

Intervention

In the study, subjects will receive single doses of placebo and cocaine HCL 300 mg according to a double blind, cross-over design. In this placebo-controlled within subject study with 2 conditions, subjects will receive a single dose of cocaine and a placebo on two separate test days.

Contacts

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Eligibility criteria

Inclusion criteria

- Subjects must have used cocaine on at least 12 separate occasions during the past two years;

- Good physical and mental health as determined by medical history and medical, ECG and laboratory examination;
- BMI between 19 and 29 m2/kg;
- Use of appropriate contraception;
- Written informed consent;
- Age between 18-40 (inclusive)

Exclusion criteria

- Pregnancy or lactation;
- Cardiovascular abnormalities as assessed by standard ECG;
- Excessive alcohol use, defined as drinking more than 21 glasses of alcohol per week;
- History of drug abuse (other than the use of cocaine) or addiction;
- Hypertension (diastolic > 90; systolic > 140);
- History of psychiatric and neurological disorders

Study design

Design

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

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-09-2013

Enrollment: 24
Type: Actual

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	NL3830
NTR-old	NTR3998
Other	Cocaine and creativity : P53
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results