

Methylphenidate in the treatment of amphetamine dependence: a double-blind randomised, placebo-controlled trial

Submission date 07/09/2005	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 13/09/2005	Overall study status Completed	☐ Protocol
Last Edited 26/10/2022	Condition category Mental and Behavioural Disorders	☐ Statistical analysis plan
		☒ Results
		☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

Protocol serial number

64/2003

Study information

Scientific Title

Methylphenidate in the treatment of amphetamine dependence: a double-blind randomised, placebo-controlled trial

Study objectives

Please note that as of 24/04/2008 this record was extensively updated due to the omission of the aripiprazole arm from this study after a discussion with the ethical committee. All updates can be seen under the relevant field, under the update date of 24/04/2008. The previous title of the trial was 'Aripiprazole and methylphenidate in the treatment of amphetamine dependence: a double-blind randomised, placebo-controlled trial'. The following changes have also been made:

1. The anticipated end date of this trial was extended to 31/12/2009, the previous anticipated end date was 31/12/2007
2. The current target number of participants has been changed to 140, the previous target number of participants was 210

Current hypothesis as of 24/04/2008:

To study if methylphenidate is more effective than placebo in reducing amphetamine use.

Previous hypothesis:

To study if aripiprazole or methylphenidate is more effective than placebo in reducing amphetamine use.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from:

1. Finland: Ethics Committee for Paediatrics, Adolescent Medicine and Psychiatry, Hospital District of Helsinki and Uusimaa on the 18th October 2005 (ref: 79/D7/2005)
2. New Zealand: Northern X Regional Ethics Committee, Auckland on the 8th October 2007

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Amphetamine dependence

Interventions

Current interventions as of 24/04/2008:

Methylphenidate SR 54 mg/d or placebo. Duration of treatment and follow-up was 22 weeks.

Previous interventions:

Aripiprazole 15 mg/d or methylphenidate SR 54 mg/d or placebo.

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Methylphenidate

Primary outcome(s)

Current primary outcome measure(s) as of 24/04/2008:

1. Proportion of positive amphetamine (methamphetamine) urine samples (intention-to-treat [ITT] analysis; all missing samples considered as positive)
2. Quantitative amphetamine/methamphetamine urine analysis (ITT analysis)

Previous primary outcome measure(s):

Proportion of positive amphetamine (methamphetamine) urine samples (intention-to-treat analysis; all missing samples considered as positive).

Key secondary outcome(s)

Retention in treatment.

Completion date

31/12/2009

Eligibility

Key inclusion criteria

1. Amphetamine (or methamphetamine) dependence (Diagnostic and Statistical Manual of Mental Disorders - Fourth Edition [DSM-IV])
2. Aged between 18 - 65 years, either sex
3. Recent and accustomed amphetamine (methamphetamine) use (urine analysis positive)

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Key exclusion criteria

Current exclusion criteria as of 24/04/2008:

1. Simultaneous participation in other treatment (intervention) studies
2. Uncontrolled use of other substances (e.g. alcohol) requiring medical treatment
3. Some other substance than amphetamine/methamphetamine as the primary drug
4. Another significant mental disorder or risk of suicide

5. Mental disorder which needs special treatment
6. Significant brain, thyroid, renal, gastrointestinal or cardiovascular disease
7. Epilepsy
8. Glaucoma
9. Tourette disorder or tics
10. Clinically significant liver disease
11. Female gender without adequate pregnancy prevention
12. Pregnancy
13. Previous methylphenidate abuse

Previous exclusion criteria:

1. Simultaneous participation in other treatment (intervention) studies
2. Having other native language than Finnish
3. Uncontrolled use of other substances (e.g. alcohol) requiring medical treatment
4. Some other substance than amphetamine/methamphetamine as the primary drug
5. Another significant mental disorder or risk of suicide
6. Mental disorder which needs special treatment
7. Significant brain, thyroid, renal, gastrointestinal or cardiovascular disease
8. Epilepsy
9. Glaucoma
10. Tourette disorder or tics
11. Clinically significant liver disease
12. Female gender without adequate pregnancy prevention
13. Pregnancy
14. Previous methylphenidate abuse

Date of first enrolment

01/03/2004

Date of final enrolment

31/12/2009

Locations

Countries of recruitment

Finland

New Zealand

Study participating centre

Niuvanniemi Hospital

Kuopio

Finland

FI-70240

Sponsor information

Organisation

University of Kuopio (Finland)

ROR

<https://ror.org/00cyydd11>

Funder(s)**Funder type**

Hospital/treatment centre

Funder Name

Current sources of funding as of 24/04/2008:

Funder Name

University Hospital of Helsinki (Finland) - 67,000 Euros

Funder Name

National Public Health Institute (Finland) - 123,500 Euros

Funder Name

Niuvanniemi Hospital (Finland) - 30,000 Euros

Funder Name

Department of Forensic Medicine, Faculty of Medicine, University of Helsinki (Finland) - 15,000 Euros

Funder Name

Academy of Finland (Finland) - 81,000 Euros

Funder Name

Total: 316,500 Euros

Funder Name

Previous sources of funding:

Funder Name

University Hospital of Helsinki (Finland) - research assistant: 24,000 Euros; basic laboratory analysis: 13,000 Euros; randomisation and drug capsulation: 30,000 Euros

Funder Name

National Public Health Institute (Finland) - drug analysis: 67,000 Euros; database and statistics: 123,500 Euros

Funder Name

Niuvanniemi Hospital (Finland) - 30,000 Euros

Funder Name

Department of Forensic Medicine, Faculty of Medicine, University of Helsinki (Finland) - 15,000 Euros

Funder Name

Total: 235,500 Euros

Results and Publications

Individual participant data (IPD) sharing plan

Not provided at time of registration

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	Interim results	01/01/2007		Yes	No