

Working memory in children with attention-deficit/hyperactivity disorder (ADHD): the impact of methylphenidate (MPH)

Submission date 23/01/2004	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 23/01/2004	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 12/12/2019	Condition category Mental and Behavioural Disorders	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

RBP 98X24

Study information

Scientific Title

Working memory in children with attention-deficit/hyperactivity disorder (ADHD): the impact of methylphenidate (MPH)

Study objectives

To address the following questions: What are the effects of methylphenidate on working memory in children with ADHD? Is there evidence for differential effects of MPH on working memory function? What is the relationship between the effects of MPH on working memory, behavioural inhibition, non-executive memory performance and hyperactive/impulsive behaviour?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Treatment

Participant information sheet

Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied

Behavioural disorders

Interventions

1. Methylphenidate (MPH) treatment
2. No methylphenidate treatment

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

1. Information about effects of MPH on cognitive function (including the possibility of cognitive toxicity) in children with ADHD
2. Greater understanding of the underlying cognitive processes in ADHD
This knowledge of underlying mechanisms will lead to improved specificity of early detection, diagnosis and treatment of ADHD
3. Identification of potential cognitive deficits in ADHD. If persisting cognitive deficits are identified. These will be rational targets for supplementary treatment interventions
4. Suggestion of tests to monitor the effects of MPH on cognitive function which could be developed for use in everyday clinical practice.

Secondary outcome measures

Not provided at time of registration

Overall study start date

01/09/1998

Completion date

29/02/2000

Eligibility

Key inclusion criteria

60 boys aged between 7-12 years, receiving MPH, with a diagnosis of Hyperkinetic disorder or the equivalent ADHD combined sub-type, will be recruited from out-patient psychiatric clinics in the Trent region.

Participant type(s)

Patient

Age group

Child

Lower age limit

7 Years

Upper age limit

12 Years

Sex

Male

Target number of participants

60

Key exclusion criteria

Does not match inclusion criteria

Date of first enrolment

01/09/1998

Date of final enrolment

29/02/2000

Locations**Countries of recruitment**

England

United Kingdom

Study participating centre**Queens Medical Centre**

Nottingham

United Kingdom

NG7 2UH

Sponsor information**Organisation**

NHS R&D Regional Programme Register - Department of Health (UK)

Sponsor details

The Department of Health

Richmond House

79 Whitehall

London

United Kingdom

SW1A 2NL

+44 (0)20 7307 2622

dhmail@doh.gsi.org.uk

Sponsor type

Government

Website

<http://www.doh.gov.uk>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

NHS Executive Trent (UK)

Results and Publications

Publication and dissemination plan

Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration