

# The effects of parent training on behaviour problems, attention deficit hyperactivity disorder (ADHD) symptoms and parenting stress in children with ADHD in routine child psychiatric out-patient care

<b>Submission date</b> 20/12/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 20/12/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 13/11/2008	<b>Condition category</b> Mental and Behavioural Disorders	<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

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## Additional identifiers

EudraCT/CTIS number

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

NTR297

## **Study information**

**Scientific Title**

### **Study objectives**

1. Parent training will lead to a significant reduction of behaviour problems in comparison with routine medical care
2. Parent training will be as effective as routine medical care with respect to the reduction of ADHD symptoms
3. Parent training will lead to a significant reduction of parenting stress in comparison with routine medical care

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Received from the local medical ethics committee

### **Study design**

Randomised, active controlled, parallel group trial

### **Primary study design**

Interventional

### **Secondary study design**

Randomised controlled trial

### **Study setting(s)**

Other

### **Study type(s)**

Treatment

### **Participant information sheet**

### **Health condition(s) or problem(s) studied**

Attention deficit hyperactivity disorder (ADHD), psychological problems

### **Interventions**

1. Parent training in group format, 12 sessions in a period of 4 months, delivered by trained and supervised psychologists
2. Routine medical care for 4 months, delivered by 4 experienced child psychiatrists, including

medication treatment and check-ups, crisis-interventions, parent counselling and support, further psycho-education

### **Intervention Type**

Other

### **Phase**

Not Specified

### **Primary outcome measure**

1. Target behaviour problems. Measures: a Dutch adaptation of the PDR and CBCL Externalising.
2. Adhd-symptoms. Measures: all subscales of the CPRS-R:S.
3. Parenting stress. Measures: Parent Domain and Child Domain of the NOSI (Dutch version of the PSI).

Assessments on all measures pre-treatment and post-treatment. A follow-up assessment on all measures after 5 months was done for the parents in the PT group.

### **Secondary outcome measures**

1. Internalising problems. Measure: CBCL Internalising. Assessment pre-treatment and post-treatment. A follow-up assessment after 5 months was done for the parents in the PT group.
2. Medication status. Monitoring during the study by the child psychiatrist.
3. Consumption of routine medical care. Monitoring during the study by the child-psychiatrist.

### **Overall study start date**

01/06/2002

### **Completion date**

01/05/2005

## **Eligibility**

### **Key inclusion criteria**

1. Age between 4 and 12 years
2. Average intelligence quotient (IQ) greater than 80
3. Meeting Diagnostic Interview Schedule for Children (DISC) criteria for ADHD
4. Children under the age of 6 need an additional AVL-score greater than 32
5. Parents can identify at least three target behaviour problems on the PDR
6. Child is living with at least one of his/her biological parents
7. Child medication status is stable
8. Both parents are able to participate in parent training

### **Participant type(s)**

Patient

### **Age group**

Child

### **Lower age limit**

4 Years

**Upper age limit**

12 Years

**Sex**

Both

**Target number of participants**

96

**Key exclusion criteria**

1. Diagnosis of autism or psychosis
2. Crisis in family
3. Intensive psychosocial treatment in past year, including in-patient treatment, intensive parent training, home-based treatments
4. Child having additional problems requiring other treatment

**Date of first enrolment**

01/06/2002

**Date of final enrolment**

01/05/2005

**Locations****Countries of recruitment**

Netherlands

**Study participating centre**

University Medical Centre Groningen

Groningen

Netherlands

9713 GZ

**Sponsor information****Organisation**

National Expertise Centre for Child and Adolescent Psychiatry (Accare) (The Netherlands)

**Sponsor details**

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**Sponsor type**

University/education

**Website**

<http://www.accare.nl/>

**ROR**

<https://ror.org/02h4pw461>

**Funder(s)****Funder type**

Hospital/treatment centre

**Funder Name**

University Medical Centre Groningen (UMCG) (The Netherlands) - Stimuleringsgelden

**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