Child Abuse Inventory at Emergency Rooms (CHAIN-ER); Detection of Child Abuse at Emergency Rooms in Utrecht (the Netherlands): effective?

Published: 21-04-2009
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1. to provide data in children presenting with physical injury at EDs on the predictive value of Sputovamo2. to address the added predictive value of early phase inquiry with other health care providers in establishing a diagnosis of child abuse

Ethical review   Approved WMO
Status   Recruitment stopped
Health condition type   Other condition
Study type   Observational non invasive

Summary

ID

NL-OMON35332

Source
ToetsingOnline

Brief title
CHAIN-ER

Condition

- Other condition
- Injuries by physical agents

Synonym
child abuse, child maltreatment

Health condition

kindermishandeling

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Utrecht
Source(s) of monetary or material Support: ZonMw

Intervention

Keyword: child abuse, detection, emergency room, risk factors

Outcome measures

Primary outcome

Positive and negitive predictive value of Sputovamo

Secondary outcome

risk factors of child abuse

added predictive value of parental questionnaires and early phase inquiry with

other health care providers

Study description

Background summary

Child abuse is a significant public health problem. The prevalence of child abuse in the Netherlands is estimated to be 107.200 cases in the year 2005. Only a small amount of these cases shows up at an emergency department. Detection of child abuse at an emergency department seems to be difficult. After the introduction of a standardized registration form (Sputovamo) the number of suspected cases of child abuse increased. Nevertheless, the number of cases caught at an emergency department is only part of the actual occurance: the positive predictive value of the Sputovamo form for child abuse remains low. Better signaling procedures will result in more accurate diagnosed cases and thereby in more adequate treatment of children suffering from child abuse. This study is designed to investigate the effectiveness of several signaling procedures in the detection of child abuse an emergency departments in the Netherlands.

Study objective

1. to provide data in children presenting with physical injury at EDs on the predictive value of Sputovamo
2. to address the added predictive value of early phase inquiry with other health care providers in establishing a diagnosis of child abuse

Study design

CHAIN-ER is a multi-centre, cross-sectional study with one year diagnostic folluw-up.

A number of 3600 children, age under 7 year, which show up at four emergency departments in the Utrecht region will undergo several screening methods. Sputovamo will be filled out by trained ED-workers and child abuse risk factors will be identified by parental questionnaires and by exchanging information between professionals. Since a gold standard is lacking, an expert panel will decide on diagnosis after follow-up.
To remove judicial obstacles concerning exchange of information, a convention between all parties involved is made.

Study burden and risks

no burden and risks associated with participation

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Children (2-11 years)

Inclusion criteria

children, age 0-7 year, showing up at an Emergency Department with injury

Exclusion criteria

Dead at hospital arrival
Injury due to traffic accidents
Patiens who not fulfil the aforementioned criteria

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	14-11-2009
Enrollment:	840
Type:	Actual

Ethics review

Approved WMO
Date: 21-04-2009
Application type: First submission
Review commission: METC Universitair Medisch Centrum Utrecht (Utrecht)
Approved WMO
Date: 31-08-2010
Application type: Amendment
Review commission: METC Universitair Medisch Centrum Utrecht (Utrecht)

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
CCMO	NL22861.041.08