ISRCTN43755461 https://doi.org/10.1186/ISRCTN43755461

(Dis-) advantages of the Wand

Submission date 27/01/2006	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 27/01/2006	**Overall study status** Completed	
Last Edited 26/08/2009	**Condition category** Surgery	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr Judith Versloot

Contact details
Academisch Centrum Tandheelkunde Amsterdam (ACTA)
Louwesweg 1
Amsterdam
Netherlands
1066 EA
+31 (0)20 5188243
j.versloot@acta.nl

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
NTR475

Study information

Scientific Title

Computerized anaesthesia delivery system (Wand) versus traditional syringe: comparing pain and pain-related behaviour in children

Acronym
WAND

Study objectives
Does the use of the Wand system reduce pain related behavior during the local anaesthesia injection in children?

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Study design
Randomised open label 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
Anesthesia injection, local

Interventions
Local anesthesia injection with a computerised anaesthesia delivery system (Wand) or the traditional syringe.

Intervention Type
Procedure/Surgery

Phase
Not Specified

Primary outcome measure
Occurrence of 5 pain related behaviors observed in 15 s intervals of the injection time.

Secondary outcome measures

Venham's Distress score (0-5) in 15 s intervals of the injection time and self-reported pain (0-10)

Overall study start date
01/10/2005

Completion date
01/06/2006

Eligibility

Key inclusion criteria
1. Age 4-11 years
2. Needing two treatment sessions
3. Dutch speaking

Participant type(s)
Patient

Age group
Child

Lower age limit
4 Years

Upper age limit
11 Years

Sex
Both

Target number of participants
100

Key exclusion criteria
Special education

Date of first enrolment
01/10/2005

Date of final enrolment
01/06/2006

Locations

Countries of recruitment
Netherlands

Study participating centre

Academisch Centrum Tandheelkunde Amsterdam (ACTA)
Amsterdam
Netherlands
1066 EA

Sponsor information

Organisation
Academic Centre Dentistry Amsterdam (ACTA) (Netherlands)

Sponsor details
Louwesweg 1
Amsterdam
Netherlands
1066 EA

Sponsor type
University/education

ROR
https://ror.org/04x5wnb75

Funder(s)

Funder type
University/education

Funder Name
Interuniversity Dentistry Research School (IOT) (Netherlands)

Funder Name
Academic Centre Dentistry Amsterdam (ACTA) (Netherlands)

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

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	12/07/2008		Yes	No