(Dis-) advantages of the Wand

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

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 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 summaryNot 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