

# The effect of Virtual Reality as a source of information on anxiety, pain and patient satisfaction in children that need to undergo an Intravenous catheterplacement.

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In a randomised setting we want to investigate wheter we can reduce anxiety and pain in children that need an IV catheter by using a 360 Virtual Reality video in preparation of the actual needle placement.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Other condition
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON46620

### Source

ToetsingOnline

### Brief title

Infor-Prick

### Condition

- Other condition

### Synonym

No specific condition besides need for intravenous infusion. Anxiety and pain are assessed

### Health condition

Geen specifieke aandoening. Kinderen die een infuus gaan krijgen. Angst en pijnbeleving worden gemeten

## Research involving

Human

## Sponsors and support

**Primary sponsor:** Chirurgie

**Source(s) of monetary or material Support:** geen geldstroom. video beelden en apparatuur worden uitgeleend

## Intervention

**Keyword:** Anxiety reduction, Children, Patient preparation, Virtual Reality

## Outcome measures

### Primary outcome

Anxiety reduction on the Children's Fear Scale

### Secondary outcome

Anxiety on ZBV-K and GDRS

Pain

patient satisfaction

time needed for actual needle placement

## Study description

### Background summary

For children application of an IV catheter can lead to anxiety and pain.

### Study objective

In a randomised setting we want to investigate wheter we can reduce anxiety and pain in children that need an IV catheter by using a 360 Virtual Reality video in preparation of the actual needle placement.

### Study design

Randomised controlled trial single blinded. In hospital on daycare.

## Study burden and risks

None besides the theoretical provocation of anxiety

## Contacts

### Public

Selecteer

de Run 4600  
Veldhoven 5504DB  
NL

### Scientific

Selecteer

de Run 4600  
Veldhoven 5504DB  
NL

## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adolescents (12-15 years)  
Adolescents (16-17 years)  
Children (2-11 years)

### Inclusion criteria

Children aged 6 -16 years old that need an intravenous catheter placement

### Exclusion criteria

Previous Iv catheter placement in past 6 months  
Serious psychological disorder  
Anxiety disorder  
Mental disorder  
Little knowledge of Dutch language, both for patient and parent  
Need to use dormicum or nitrous oxide during the procedure  
Visual disorder  
Epilepsy

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)

**Primary purpose:** Other

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	17-05-2018
Enrollment:	100
Type:	Actual

## Ethics review

Approved WMO	
Date:	14-03-2018
Application type:	First submission
Review commission:	METC Maxima Medisch Centrum (Veldhoven)

## Study registrations

## Followed up by the following (possibly more current) registration

No registrations found.

## Other (possibly less up-to-date) registrations in this register

ID: 27571

Source: NTR

Title:

## In other registers

Register	ID
CCMO	NL64002.015.17
OMON	NL-OMON27571