

The effect of watching a movie with videoglasses and a headset on pain, anxiety and satisfaction of patients who need a wrist fracture reduction in the Emergency Department

Gepubliceerd: 09-01-2019 Laatst bijgewerkt: 15-05-2024

We hypothesize that audio-visual immersion by using high-quality video glasses with surround sound headphones can reduce pain and anxiety scores. Furthermore, we anticipate that patient satisfaction in these patients will increase.

Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON20686

Bron

Nationaal Trial Register

Verkorte titel

eMOVIE

Aandoening

wrist fracture, distal radius fracture, audiovisual, immersion, pain, anxiety, satisfaction, emergency department

Ondersteuning

Primaire sponsor: University Medical Center Amsterdam, location AMC

Overige ondersteuning: University Medical Center Amsterdam, location AMC

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Pain perception is measured using the VAS. The VAS-P is an 11 point scale ranging up from 0 to 10. With 0 indicating “no pain” and 10 indicating “the worst pain possible”. Pain perception is measured at two intervals. The first measurement will be just before putting on the glasses, last one immediately after the procedure. During the last measurement the patients will be asked to grade the maximum pain score of the local anaesthetic placement and of the procedure (fracture reduction) that took place.

Toelichting onderzoek

Doel van het onderzoek

We hypothesize that audio-visual immersion by using high-quality video glasses with surround sound headphones can reduce pain and anxiety scores. Furthermore, we anticipate that patient satisfaction in these patients will increase.

Onderzoeksopzet

right before and right after the intervention

Onderzoeksproduct en/of interventie

The intervention group will be provided with the audiovisual headset device as soon as the patient is placed in the room where the procedure will take place. The device will be worn during the placement of the local anaesthetic and continued to be worn during the short surgical procedure. At all times the device can be removed if the patient feels uncomfortable or if the treating physician deems it necessary.

Contactpersonen

Publiek

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Dislocated wrist fracture with an indication for repositioning in the ED under local anaesthesia with lidocaine
- Age >18 years old

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- Individuals not being able to understand Dutch language at primary school level
- Individuals not being able to read or write Dutch
- Individuals who are unable to sign informed consent owing to mental/psychiatric disorder or formally stated to be incompetent to decide
- Individuals not willing or able to sign informed consent for the proposed study
- Individuals with a history of loss of central or peripheral field of vision on either eye
- Individuals with a history of either conductive, sensorineural or mixed hearing loss
- Individuals wearing hearing devices on either ear
- Individuals with a known history of anxiety disorder
- Individuals with an alcohol, drug dependency problem or intoxication
- Individuals using chronic opioid pain medication
- Individuals with a fracture or dislocated joint that requires immediate surgery in the operating theatre or a fracture which is > 24 hours old
- Individuals with a known allergy or other contra-indication for the use of lidocaine

- Individuals with a multi-trauma (excluding superficial wounds and minor contusions)
- Second reduction attempt (after cast immobilization) of same fracture

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Actieve controle groep

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-03-2019
Aantal proefpersonen:	36
Type:	Verwachte startdatum

Ethische beoordeling

Niet van toepassing	
Soort:	Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 49868
 Bron: ToetsingOnline
 Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL7473
NTR-old	NTR7715
CCMO	NL67837.018.18
OMON	NL-OMON49868

Resultaten