

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The efficacy of cartoon playing in pediatric suturing pain relief among children of 3-6 year old in the emergency

Protocol summary

Study aim

The efficacy of cartoon playing in pediatric suturing pain relief among children of 3-6 year old in the Emergency

Design

The study is a clinical trial. 109 children aged 3 to 6 years with trauma in the emergency department are selected by random sampling.

Settings and conduct

Children 3 to 6 years old, regardless of age and sex, who need suturing need to be sutured, enter the treatment / suturing / dressing room with a parent after triage and filing. The child's favorite cartoon is then played through 3D glasses. And after 3-5 minutes, the procedure begins.

Participants/Inclusion and exclusion criteria

Children 3 to 6 years, Parental satisfaction Confirm the need for stitches

Intervention groups

Children will be randomly divided into two groups. The intervention group, in addition to local anesthesia, will also have a cartoon broadcast for them, and the control group, for which a cartoon will not be broadcast. The amount of pain in the child before and after the procedure in both intervention and control groups will be questioned and the two groups will be compared with each other.

Main outcome variables

pain

General information

Reason for update

Acronym

درد

IRCT registration information

IRCT registration number: **IRCT20201118049429N1**

Registration date: **2022-03-05, 1400/12/14**

Registration timing: **registered_while_recruiting**

Last update: **2022-03-05, 1400/12/14**

Update count: **0**

Registration date

2022-03-05, 1400/12/14

Registrant information

Name

Sanaz Yazdani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 11 4424 3034

Email address

dr.yazdanisa@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-02-20, 1400/12/01

Expected recruitment end date

2023-02-20, 1401/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The efficacy of cartoon playing in pediatric suturing pain relief among children of 3-6 year old in the emergency

Public title

The efficacy of cartoon playing in pediatric suturing pain relief among children of 3-6 year old in the emergency

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Children 3 to 6 years Parental satisfaction Confirmation of the need for sutures
Exclusion criteria:
Mental disability Childhood diabetes Treated mental illness Hearing impairment Visual impairment Speech disability physical disability

Age

From **3 years** old to **6 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **109**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Iran national committee for ethics- IUMS

Street address

Iran university of medical sciences ,Hemmat Highway, next to Milad Tower ,Tehran, Iran

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Province

Tehran

Postal code

۱۴۳۹۶۱۴۵۳۵

Approval date

2021-05-09, 1400/02/19

Ethics committee reference number

IR.IUMS.FMD.REC.1400.100

Health conditions studied

1

Description of health condition studied

initial traumatic wound repair

ICD-10 code

T81.33XA

ICD-10 code description

Disruption of traumatic injury wound repair, initial encounter

2

Description of health condition studied

forearm open wound

ICD-10 code

S51.80

ICD-10 code description

Unspecified open wound of forearm

3

Description of health condition studied

thigh open wound

ICD-10 code

S71.10

ICD-10 code description

Unspecified open wound of thigh

4

Description of health condition studied

hand open wound

ICD-10 code

S61.40

ICD-10 code description

Unspecified open wound of hand

5

Description of health condition studied

scalp open wound

ICD-10 code

S01.00

ICD-10 code description

Unspecified open wound of scalp

6

Description of health condition studied

ankle open wound

ICD-10 code

S91.00

ICD-10 code description

Unspecified open wound of ankle

Primary outcomes

1

Description

pain

Timepoint

from the beginning of the suture till the end of suturing

Method of measurement

FLACC scale

Secondary outcomes

empty

Intervention groups

1

Description

Children 3 to 6 years old enter the suture room after triage. For the intervention group, in addition to local anesthesia, the child's favorite cartoon is played through 3D glasses. And after 3-5 minutes, the procedure begins.

Category

N/A

2

Description

Control group: In the control group, only routine care (washing, anesthesia and suturing of the wound site is performed. The cartoon is not broadcast.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Rasoul Akram Hospital

Full name of responsible person

Sanaz Yazdani

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Recruitment center

Name of recruitment center

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr. Seyyed Abbas Motevalian

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Iran University of Medical Sciences, Shahid Hemmat Highway, Tehran, 1449614535, IRAN

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motevalian.a@iums.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Iran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Dr Hamidreza Khoshnezhad Ebrahimi
Position
Emergency Medicine Specialist/Assistant Professor
Latest degree
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Data is encrypted in order to make individuals' identifiable and confidential

When the data will become available and for how long

From the end of sampling to 6 months after the publication of the article

To whom data/document is available

University Ethics Committee, Project Arbitration Committee, Article Arbitration Committee and other researchers

Under which criteria data/document could be used

Perform systematic review or meta-analysis by mentioning the document

From where data/document is obtainable

Dr Hamidreza Khoshnezhad Ebrahimi

What processes are involved for a request to access**data/document**

After submitting the application via academic email, we will provide the information files to the individuals within a maximum of one week.

Comments