

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The effect of laughter on reducing dental anxiety and pain during dental procedures in children 5-7 years

Protocol summary

Summary

The study is a clinical trial research. 48 children at the age of 5 to 7 are selected by the examiner after being studied in initial examination and filling SCARED (Screen for Child Anxiety Related Disorder, Parents version) questionnaire by the parents to detect anxiety disorders. The patients are divided into two groups of laughing intervention and neutral intervention. For the members of group A, the children watch a cartoon movie of funny selection scenes in a relaxed atmosphere like a waiting room for 10 minutes before entering the pediatric dental clinic and a fortnight after that, the same treatment is done after watching a neutral movie. For the members of group B, at the first session of treatment, a neutral movie is played for 10 minutes under the foregoing conditions for the funny movie and a fortnight after that, at the second session, the same treatment is done after watching a funny movie. Child's anxiety in the initial stage of treatment is measured by the MCDASF (Modified Child Dental Anxiety Scale Faces, Iranian Version) questionnaire and the pain by Wong Baker Faces. Furthermore, child's behavior in treatment is registered by the second dentist in MES (Sound, Eye, Motor Scale) measure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017072235212N1**
Registration date: **2017-10-01, 1396/07/09**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-01, 1396/07/09

Registrant information

Name

azadeh horri

Name of organization / entity

kerman university midical science

Country

Iran (Islamic Republic of)

Phone

+98 34 3226 3815

Email address

a_horri@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2017-08-06, 1396/05/15

Expected recruitment end date

2017-10-07, 1396/07/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of laughter on reducing dental anxiety and pain during dental procedures in children 5-7 years

Public title

The effect of laughter on reducing dental anxiety and pain during child's dental procedures

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria include : The child is in the age group of 7-5 years; The examination session is the first meeting of the child's dentistry; The child has no history of a specific illness and is currently in good health; Having no history

of hospitalization; In recent months, there is no experience of the death of a friend or close relative; No History of family-specific problems and must live with parents; Two molars have repairable caries under local anesthesia in one jaw; Has not used a sedative before dental treatment.

Age

From **5 years** old to **7 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **48**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Research and Technology Vice Chancellry, Kerman
University of Medical Sciences

Street address

Tahmasebabad Crossroads, Building Department,
Research and Technology

City

Kerman

Postal code**Approval date**

2016-03-01, 1394/12/11

Ethics committee reference number

IR.kmu.REC.1394.505

Health conditions studied**1****Description of health condition studied**

The effect of laughter on reducing anxiety and pain during dental procedures in 5 to 7 years old childs

ICD-10 code

F41.9

ICD-10 code description

Disorders in which manifestation of anxiety is the major symptom and is not restricted to any particular environmental situation. Depressive and obsessional symptoms, and even some elements of phobic anxiety, may also be present, provided that they are cl

Primary outcomes**1****Description**

Anxiety

Timepoint

Ten minutes after intervention

Method of measurement

MCDAS questionnaire

Secondary outcomes**1****Description**

Pain

Timepoint

After dental treatment

Method of measurement

Wong baker's Scale

Intervention groups**1****Description**

Playing neutral movie in the control group

Category

Behavior

2**Description**

Playing funny videos in the intervention group

Category

Behavior

Recruitment centers**1****Recruitment center****Name of recruitment center**

Kerman faculty of dentistry

Full name of responsible person

Doctor Sima Joukar

Street address

Shafa Street, Faculty of dentistry, Kerman

City

Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman University of Medical Sciences

Full name of responsible person

Doctor Abbas Pardakhti

Street address

Tahmasebabad Crossroads, Building Department of
Science and Technology of Kerman University of
Medical Sciences

City

Kerman

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kerman University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Kerman University of Medical Sciences, School of
Dentistry

Full name of responsible person

Doctor Sima Joukar

Position

Resident of Pediatric Dentistry

Other areas of specialty/work

Street address

Pediatric Dentistry Department, School of Dentistry,
Shafa Street, Jomhori Islami Blvd, Kerman, Iran
Kerman

City

Kerman

Postal code

Phone

+98 34 3211 9021

Fax

Email

Dr.simajoukar@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kerman Faculty of Dentistry

Full name of responsible person

Doctor Azadeh Horri

Position

Assistant professor, Department of Pediatric Dentistry

Other areas of specialty/work

Street address

Pediatric Dentistry Department, School of Dentistry,
Shafa street, Jomhori Islami Blvd, Kerman, Iran

City

Kerman

Postal code

Phone

+98 34 3211 9021

Fax

Email

A_horri@kmu.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Kerman Faculty of Dentistry

Full name of responsible person

Doctor Azadeh Horri

Position

Assistant professor, Department of Pediatric Dentistry

Other areas of specialty/work

Street address

Shafa street, Kerman Faculty of Dentistry

City

Kerman

Postal code

Phone

+98 34 3211 9021

Fax

Email

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty