

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of lavender oil smell on the children's anxiety under dental treatments

Protocol summary

Summary

The purpose of this study is to research about the effects of aromatherapy inhalation on anxiety level of children referred for dental treatment. This single-blind clinical trial is going to be done on 34 Children , referred for dental treatment. Inclusion criteria : Healthy children between 8-10 years old, having ability to read and write, Exclusion criteria : Children under 8 or above 10 having any kind of disease. Patients are divided into two groups of 17, Group 1: In the first visit, they are going to be exposed to lavender odor, in the next visit, their dental treatment is going to be done without inhaling Lavender. Group 2: In the first visit, they wont be exposed to lavender odor but in the next one they will. During the time the patient is supposed to be exposed to Lavender smell, after 10-15 minutes of inhaling the Lavender , they are asked to fill out the CFSS-DS questionnaire in the waiting room. The child's behaviour will also be evaluated by a paedodontist during the treatment by frankle scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013022712638N1**

Registration date: **2013-06-13, 1392/03/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-06-13, 1392/03/23

Registrant information

Name

Sanaz Tahmourespour

Name of organization / entity

Islamic Azad University of Khorasgan (Isfahan)
Branch

Country

Iran (Islamic Republic of)

Phone

+98 31 1535 4001

Email address

sanaz_t62@yahoo.com

Recruitment status

Recruitment complete

Funding source

Islamic Azad University Khorasgan (Isfahan) Branch

Expected recruitment start date

2013-02-19, 1391/12/01

Expected recruitment end date

2013-05-22, 1392/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of lavender oil smell on the children's anxiety under dental treatments

Public title

The effect of lavender oil smell on children's anxiety

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria : Healthy children; Children with age between 8-10 years; Having ability to read and write
Exclusion criteria : Children with any kind of disease; children with age under 8 or above 10 years.

Age

From **8 years** old to **10 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 34

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Islamic Azad University of Khorasgan(Isfahan) Branch

Street address

Islamic Azad University of Khorasgan, University Blvd., Arghavanieh, Eastern Jei Ave.

City

Isfahan

Postal code

۸۱۰۰۱۳۹۹۹۸

Approval date

2012-05-26, 1391/03/06

Ethics committee reference number

91030609507

Health conditions studied

1

Description of health condition studied

Anxiety

ICD-10 code

F40.2

ICD-10 code description

Specific (isolated) phobia

Primary outcomes

1

Description

Anxiety

Timepoint

10 to 15 minutes

Method of measurement

CFSS-DS questionnaire

Secondary outcomes

1

Description

The ability to accept treatment

Timepoint

One to two week

Method of measurement

Frankle scale

Intervention groups

1

Description

Intervention group : exposure to the lavender odor for 10 to 15 minutes, we pour 5 drops of lavender oil in the aerator to let it's smell flow in the air.

Category

Treatment - Drugs

2

Description

Control group : Dental treatment without any intervention

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

IslamicAzad University of Khorasgan(Isfahan)Branch

Full name of responsible person

Sanaz Tahmourespour

Street address

Islamic Azad University of Khorasgan, University Blvd., Arghavanieh, Eastern Jei Ave.

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

IslamicAzad University of Khorasgan(Isfahan) Branch

Full name of responsible person

Sanaz Tahmourespour

Street address

Islamic Azad University of Khorasgan, University Blvd., Arghavanieh, Eastern Jei Ave.

City

Isfahan

Grant name

Grant code / Reference number

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

Title of funding source
IslamicAzad University of Khorasgan(Isfahan) Branch

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
Islamic Azad University of Khorasgan(Isfahan) Branch

Full name of responsible person
Sanaz Tahmourespour

Position
Resident in paediatric dentistry

Other areas of specialty/work

Street address
IslamicAzad University of Khorasgan, University Blvd.,
Arghavanieh, Eastern Jei Ave.

City
Isfahan

Postal code

Phone
+98 31 1535 4001

Fax

Email
Sanaz_t62@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Islamic Azad University of Khorasgan(Isfahan) Branch

Full name of responsible person
Neda Ahmadi Rozbahani

Position
Assistant professor of Pediatric Dentistry

Other areas of specialty/work

Street address
Islamic Azad University of Khorasgan, University
Blvd., Arghavanieh, Eastern Jei Ave.

City
Isfahan

Postal code

Phone
+98 31 1535 4001

Fax

Email
N.rozbahani@khuisf.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity
Islamic Azad University of Khorasgan (Isfahan)
Branch

Full name of responsible person
Mitra Hajari

Position
Dentist

Other areas of specialty/work

Street address
Islamic Azad University of Khorasgan, University
Blvd., Arghavanieh, Eastern Jei Ave.

City
Isfahan

Postal code

Phone
+98 31 1535 4001

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