

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Jun 2026

Study of orange's odor effectiveness on reduction patient's anxiety for mandibular third molar surgery

Protocol summary

Summary

Objective: study of orange's odor on referring patient's stress for wisdom tooth surgery in Isfahan Afzal clinic. Designing: random and single blind. Inclusion criteria : Volunteer; healthy smell; 9 < DAS > 14 Exclusion criteria: smoking; surgery's difficulty degree must not B2; person's age > 45 In check up session, persons are filled DAS questionnaire in during the time of 5 min and persons that their stress is between 9 to 14 , are entered to study. patient's are divided to in 2 groups, each group contains 28 persons (A total : 58 patient). In therapy session, for two groups, we check patient's vital signs that include Blood pressure, heart beat and number of patient's respiration at 5 time. (2 time in waiting room : at the time of patient's entry to clinic and 10 min afterward, before anesthesia, before surgery, after surgery). for case group 25 ML (equal to 5 drops) of orange essence is poured in 5 Lit cold vapor device and before coming of patient, the odor is distributed in the air and in the whole of therapy session (in waiting & surgery room) the odor is distributing. for control group , without odor distribution, therapy session is done. patient vital signs in two group is drawn in diagrams, we investigate acquired changes and effect of orange odor on decreasing of patient stress.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201212277949N3**
Registration date: **2013-01-29, 1391/11/10**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-01-29, 1391/11/10

Registrant information

Name

Daryosh Hashemini

Name of organization / entity

Isfahan University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Science

Expected recruitment start date

2011-09-23, 1390/07/01

Expected recruitment end date

2012-04-20, 1391/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study of orange's odor effectiveness on reduction patient's anxiety for mandibular third molar surgery

Public title

Study of orange's odor on surgical patient's anxiety

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria : Volunteer; healthy smell; 9 < DAS > 14
Exclusion criteria: smoking; surgery's difficulty degree must not B2; person's age > 45

Age

From **18 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **56****Randomization (investigator's opinion)**

Randomized

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

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Isfahan University of Medical Science

Street address

University St, Azadi Square

City

Isfahan

Postal code**Approval date**

2011-10-17, 1390/07/25

Ethics committee reference number

391286

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

anxiety

ICD-10 code

F40

ICD-10 code description

Specific (isolated) phobias

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

anxiety

Timepoint

In the waiting room, before anesthesia, before surgery, after surgery

Method of measurement

blood pressure, MmHg, by using brachial pressure, heart rate, pulses per minute by pulse oximeter, number of respiration; using objective observation by the number of breaths per minute

Secondary outcomes

empty

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

for case group ,25 MI (equal 5 drop) of orange essence is poured in 5 Lit cold vapor device and before coming of patient, the odor is distributed in the air. in the whole of therapy session (in waiting & surgery room), the odor is distributing.

Category

Other

2**Description**

for control group :without odor distribution, therapy session is done .

Category

Other

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

Afzal dentistry clinic

Full name of responsible person

Dr Daryush Hashemina

Street address

Soroush St, Ahmad abad Square

City

Isfahan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Isfahan University of Medical Sciences

Full name of responsible person

Dr Savabi

Street address

University St, Azadi Square, Isfahan

City

Isfahan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Isfahan 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

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Full name of responsible person

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Position

student

Other areas of specialty/work

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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