

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Investigating the efficacy of using scrophularia striata mouthwash in preventing dry socket in mandibular third molar

Protocol summary

Study aim

Investigating the efficacy of using scrophularia striata mouthwash in preventing dry socket in mandibular third molar

Design

This study is a double-blinded clinical trial. The study population will be included those who refer to the department of surgery of dental school of Kermanshah university of medical sciences. 140 eligible patients will be selected conveniently and randomly will be assigned to intervention and control groups.

Settings and conduct

This study that will be conducted in the dental school of Kermanshah is a double-blinded one that data analysts and researchers are kept blind to the allocation of study groups. At baseline age, sex, number and location of extracted teeth (upper and lower jaw), type of extracted tooth, cause of tooth extraction and degree of difficulty during tooth extraction are recorded in the checklist.

Participants/Inclusion and exclusion criteria

Inclusion criteria: People require tooth extraction
Exclusion criteria: People with systemic diseases including rheumatism, diabetes, lupus, MS, septicemia, hepatitis, AIDS; Pregnant women; Painful conditions such as teeth requiring root canal treatment, patients at higher risk of dry cavity; People with neurological diseases

Intervention groups

The intervention group will receive a Scrophularia striata mouthwash after tooth extraction. Control groups do not receive an intervention

Main outcome variables

Dry socket Outbreak; Rate of pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N141**

Registration date: **2020-03-05, 1398/12/15**

Registration timing: **prospective**

Last update: **2020-03-05, 1398/12/15**

Update count: **0**

Registration date

2020-03-05, 1398/12/15

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1821 4653

Email address

fforoughi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-03-10, 1398/12/20

Expected recruitment end date

2020-06-09, 1399/03/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the efficacy of using scrophularia striata mouthwash in preventing dry socket in mandibular third molar

Public title

Investigating the efficacy of using scrophularia striata mouthwash in preventing dry socket in mandibular third molar

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

People require tooth extraction

Exclusion criteria:

People with systemic diseases including rheumatism, diabetes, lupus, MS, septicemia, hepatitis, AIDS pregnant women Painful conditions such as teeth requiring root canal treatment, patients at higher risk of dry cavity People with neurological disorders

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

- Investigator
- Data analyser

Sample size

Target sample size: **140**

Randomization (investigator's opinion)

Randomized

Randomization description

Using the random number table, patients are divided into two groups of 70. Each patient is assigned a 4-digit code based on the random number table, Based on the right number of patients code, the patients are divided into two groups. Patients whose last digit is 0, 2, 4, 6, 8 will be assigned to the intervention group and patients whose last digit is 1,3,5, 7, 9 will be assigned to the control group.

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study, data analysts and researchers are kept blind to the allocation of study groups.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics committee of Kermanshah University of Medical Sciences

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2019-11-05, 1398/08/14

Ethics committee reference number

ir.kums.rec.1398.1173

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

Dry socket

ICD-10 code

k10.3

ICD-10 code description

Alveolitis of jaws

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

Dry socket Outbreak

Timepoint

3 and 7 days after the end of the study

Method of measurement

According to the BLUM

2**Description**

Rate of pain

Timepoint

3 and 7 days after the end of the study

Method of measurement

Based on visual pain scale

Secondary outcomes

empty

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

The intervention group will receive Erminia euchroma mouthwash after tooth extraction

Category

Treatment - Other

2

Description

Control groups do not receive an intervention

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of Dentistry

Full name of responsible person

Fatemeh Sadat Bagheri

Street address

Shariati Ave, Faculty of Dentistry

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ffbagheri.ffb@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

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fnajafi@kums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

Fatemeh Sadat Bagheri

Position

Dental student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Hesamodin Nazari

Position

Member of Kermanshah University of Medical Sciences

Latest degree

Specialist

Other areas of specialty/work

Oral and Maxillofacial Surgery

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Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

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Position

Dental student

Latest degree

A Level or less

Other areas of specialty/work

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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

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

The main outcomes of the study will be shared.

When the data will become available and for how long

6 months

To whom data/document is available

If requested, results will be made available to other academic researchers

Under which criteria data/document could be used

Collected data is confidential and will not be shared with anyone else

From where data/document is obtainable

To receive the documentation, email send for update manager

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

In a 15-day period, the documents will be sent e-mail

Comments