

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Effect of Honey on surgical wound healing of impacted mandibular third molar surgery

Protocol summary

Summary

Object: Decreasing the recovery period after surgical removal of impacted third molar by decreasing the postoperative complications such as swelling, lockjaw..... Inclusion/Exclusion criteria: Any candidate for mandibular third molar removal via surgery enrolled in this study and the ones with history of systemic diseases were excluded. Study sample and sample size: Total 106 patients both male and female enrolled in this double blind study. Intervention and time of study: The Selected patients are randomly divided into two groups. Same Surgical procedure is carried out for all patients by a single surgeon but only we apply honey in some stages of surgery such as irrigation, suturing and dressing for control group. This study is done in 2015-2016. Primary outcomes: Patients would be recalled 3rd and 10th days after surgery to evaluate the postoperative complications which are as follows: based on clinical examination (comparing 2 sides of patient's face/intraoral examination to check the presence of infection via foul-smelling odor and swelling In the gingiva around the surgical field, Difficulty opening the mouth or fever, dry socket) and visual analog scale and number of pain relief tablets (used for pain) we check the patient's mouth extension and measured maximum interincisal opening while opening his/her mouth to record presence of lockjaw. Swelling is checked by tape measuring method.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015072923401N1**
Registration date: **2016-04-18, 1395/01/30**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-04-18, 1395/01/30

Registrant information

Name

Roya Safari

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Kurdistan University of Medical Sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2015-03-21, 1394/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Honey on surgical wound healing of impacted mandibular third molar surgery

Public title

Honey effect on third molar surgery

Purpose

Treatment

Inclusion/Exclusion criteria

exclusion criteria: all patients with the history of: Any systemic disease; any allergic to drugs or anesthetic

agent used in our surgical procedure; smokers; and patients with poor oral hygiene followed by clinical examination. inclusion criteria: any candidates for mandibular third molar removal via surgery based on orthopantograph image who were healthy proved by medical history.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 106

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Center of Kurdistan University of Medical Sciences

Street address

Research Center, Kurdistan University of Medical Sciences, opposite of Shadi hotel, Pasdaran st, Sanandaj, Kurdistan, Iran.

City

Sanandaj

Postal code

6618634683

Approval date

2014-09-23, 1393/07/01

Ethics committee reference number

34/821536

Health conditions studied

1

Description of health condition studied

impacted third molar surgery

ICD-10 code

K01.1

ICD-10 code description

Impacted teeth

Primary outcomes

1

Description

wound healing

Timepoint

2nd and 10th days after surgery

Method of measurement

visual analog scale

Secondary outcomes

1

Description

pain

Timepoint

2nd and 10th days after surgery

Method of measurement

number of taken pain relief tablets

Intervention groups

1

Description

The Selected patients were randomly divided into two groups. Same Surgical procedure was carried out for all patients by single surgeon. They were anesthetized using Persocaine-E (lingocaine 1:200000 with Adrenaline, made in Darupakhsh Company, Iran) via classical Inferior alveolar nerve block, lingual nerve block and long buccal nerve block. Full thickness incision was made to prepare modified triangle flap, tooth was sectioned, loosened and removed by elevator. After extraction, curettage and simple alveoloplasty was done plus irrigation with 20ml NaCl in control group and simple dressing

Category

Treatment - Drugs

2

Description

The Selected patients were randomly divided into two groups. Same Surgical procedure was carried out for all patients by single surgeon. They were anesthetized using Persocaine-E (lingocaine 1:200000 with Adrenaline, made in Darupakhsh Company, Iran) via classical Inferior alveolar nerve block, lingual nerve block and long buccal nerve block. Full thickness incision was made to prepare modified triangle flap, tooth was sectioned, loosened and removed by elevator. then irrigation with diluted honey with NaCl and applying honey dressing

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Arian Dental Clinic

Full name of responsible person

Ensi Kolyaei

Street address

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kurdistan University of Medical Sciences

Full name of responsible person

Ebrahim Ghaderi

Street address

Pasdarane boulevard

City

Sanandaj

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kurdistan 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

oral surgery department

Full name of responsible person

Ensi Kolyaei

Position

student

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person

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Position

Other areas of specialty/work

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00

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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