

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation of the effect of Thymus concentrated honey in wound healing process after periodontal surgery

Protocol summary

Summary

The Purpose of this study was to evaluate the efficacy of concentrated honey in wound healing process after MWF surgery and its effects on gingival and plaque index. In this double blind crossover clinical trial, 10 patients needed MWF surgery minimally in two sextants areas of the mouth were recruited. In the intervention group, honey was applied after surgery, three times a day and each time 15cc of honey was placed on the surgery zone and rinsed with normal saline for 30 seconds after 30 minute. In the next surgery, patient was placed in the control group and the equal volume of normal saline was used to wash his mouth three times a day for 30 seconds. Loe & Sillness gingival index and Sillness & Loe plaque index were measured on days 0, 1, 3, and 7. Landrey healing index was measured in days 1, 3, and 7 after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138901192547N2**

Registration date: **2010-05-15, 1389/02/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-05-15, 1389/02/25

Registrant information

Name

Arash Poorsattar

Name of organization / entity

Babol University of Medical Sciences (BUMS)

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research deputy, Babol University of Medical Sciences

Expected recruitment start date

2005-12-01, 1384/09/10

Expected recruitment end date

2007-12-01, 1386/09/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of Thymus concentrated honey in wound healing process after periodontal surgery

Public title

Effects of honey on wound healing

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: moderate periodontitis and 4-6 mm PPD who required MWF at least in two sextants.

Exclusion criteria: Presence of any systemic diseases, antibiotic consumption or corton or any systemic medications within last month, smoking within last 2 years and pregnancy

Age

From **35 years** old to **40 years** old

Gender

Female

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: 10

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Babol University of Medical Sciences

Street address

Ganj Afrooz ave.

City

Babol

Postal code

Approval date

empty

Ethics committee reference number

2046

Health conditions studied

1

Description of health condition studied

Wound Healing in pulp and periapical tissues

ICD-10 code

K04.0

ICD-10 code description

chronic (hyperplastic)(ulcerative)

Primary outcomes

1

Description

wound healing

Timepoint

days 1, 3 and 7 after surgery

Method of measurement

Landry healing index

Secondary outcomes

1

Description

Plaque index

Timepoint

Days 0, 1, 3 and 7 after surgery

Method of measurement

Sillness& Loe

2

Description

Gingival index

Timepoint

Days 0, 1, 3 and 7 after surgery

Method of measurement

Sillness& Loe

Intervention groups

1

Description

Thymus concentrated honey (three times a day and each time 15cc of honey placed on the surgery zone and rinsed with normal saline for 30 seconds after 30 minute)

Category

Treatment - Drugs

2

Description

normal saline (washing mouth three times a day for 30 seconds)

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Periodontology ward, Babol University of Medical Sciences

Full name of responsible person

Street address

City

Babol

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research deputy of Babol university of Medcial Sciences

Full name of responsible person

Dr. Vahid Abbasi

Street address

Ganj Afrooz Ave., Dentistry school

City

Babol

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

Yes

Title of funding source

Research deputy of Babol university of Medcial 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**

Babol University of Medcial Sciences

Full name of responsible person

Arash Poorsattar Bejeh Mir

Position

Dentistry student

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Full name of responsible person

Dr. Mahmoud Khosravi

Position

Assistant professor, Implantologist & periodontologist

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Iran University of Medical Sciences

Full name of responsible person

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Position

General Practitioner

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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