

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jul 2026

The effect of topical application of honey on the scar of clean surgical wounds

Protocol summary

Summary

The objective of this randomized double-blind clinical trial is to investigate the effect of topical application of honey on the scar of clean surgical wounds. All patients who referred to plastic surgery clinic, candidate for plastic surgery with clean surgical wounds will be enrolled, and exclusion criterion will be systemic diseases or bee sting allergy history. 100 ulcers will randomly be divided into two groups. In any patient at least two surgical wound will be considered, one as intervention and another as control wound. Intervention group will be treated by topical honey and controls by Vaseline gauze alone, after wound closure in the end of operation. The dressing after 5 days will be removed. The rate of wound complication and healing time and scars will be compared in both groups by a plastic surgeon at 2 weeks and 3, 6 months post operation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102085781N1**

Registration date: **2011-10-04, 1390/07/12**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-10-04, 1390/07/12

Registrant information

Name

Ghasemali Khorasani

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6643 8153

Email address

khorasani@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research, Tehran university of medical sciences

Expected recruitment start date

2011-09-23, 1390/07/01

Expected recruitment end date

2012-05-21, 1391/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of topical application of honey on the scar of clean surgical wounds

Public title

The effect of topical application of honey on the scar of wounds

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All Patients who are referred to the plastic surgery clinic, candidate for plastic surgery with clean surgical wounds. Exclusion criteria: All Patients with systemic diseases or bee sting allergy history.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked
No information

Sample size
Target sample size: **100**

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

The ethics committee of Tehran University of Medical Sciences

Street address

Tehran university of medical sciences, Ghods Avenue, Keshavarz Blvd.

City

Tehran

Postal code

Approval date

2011-05-22, 1390/03/01

Ethics committee reference number

1215

Health conditions studied

1

Description of health condition studied

plastic surgery induced wounds

ICD-10 code

Z41.1

ICD-10 code description

Other plastic surgery for unacceptable cosmetic appearance

Primary outcomes

1

Description

wound scar size

Timepoint

after 3, 6 months

Method of measurement

ruler

Secondary outcomes

1

Description

wound complications

Timepoint

after 2 weeks

Method of measurement

examination

Intervention groups

1

Description

In Intervention group: topical honey as dressing will be used, just after wound closure, and will be removed after 5 days.

Category

Treatment - Other

2

Description

In Intervention group: vaselin gauz as dressing will be used, after wound closure, and will be removed after 5 days.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr hospital (Imam khomeini hospital complex)

Full name of responsible person

Ghasemali Khorasani

Street address

Bagherkhan Aven. Imam Khomeini hospital complex

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran university of medical university

Full name of responsible person

Dr.Akbar Fotouhi

Street address

Vice chancellor for research of Tehran university of medical sciences, 5th floor, Ghods Avenue, Keshavarz Blvd.

City

Tehran

Grant name

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

Yes

Title of funding source

Tehran university of medical university

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**

Tehran University of Medical Sciences

Full name of responsible person

Ghasemali Khorasani

Position

associated professor

Other areas of specialty/work**Street address**

The department of plastic surgery, Valiasr hospital,
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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