Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison of honey and mefnaid acetate in healing of 3rd and 4th degree burn wounds

Protocol summary

Summary

This study is designed to compare the effects of honey and mefnaid acetate in healing of grade 3 and 4 burn wounds on patients admitted in burn ward. One hundred patients are randomly assigned to intervention or control group. After admission and initial preparing and wound irrigation with normal saline, dressing with a layer of honey or mefnaid acetate on wound will be done twice daily, in the intervention and control group, respectively. Clinical improvement will be evaluated as the granulation tissue area by using visual analog scale on 7 and 21 day and one month after the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201008144563N1**
Registration date: **2010-09-18, 1389/06/27**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2010-09-18, 1389/06/27

Registrant information

Name
Mohammad Baghaei
Name of organization / entity
Tabriz University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 41 1667 6780
Email address
baghaeim@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Sina Educational and therapeutic center

Expected recruitment start date

2010-09-23, 1389/07/01

Expected recruitment end date

2011-02-20, 1389/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of honey and mefnaid acetate in healing of 3rd and 4th degree burn wounds

Public title

The effect of honey in healing of 3rd and 4th degree burn wounds

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: presence of 3rd and 4th degree burn wounds Exclusion criteria: drug hypersensitivity, superficial burn wounds, involvement of more than over 20 percent of body surface area

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
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Vice-Chancellor for Research, Faculty of Medicine, Tabriz University of Medical Sciences,
Street address
Golgasht St.
City
Tababriz
Postal code
Approval date
empty
Ethics committee reference number
5.4.3059

Health conditions studied

1

Description of health condition studied
Burns
ICD-10 code
T30.3
ICD-10 code description
Burn of third degree, body region unspecified Third-degree burn NOS

Primary outcomes

1

Description
Area of granulation tissue
Timepoint
Before the intervention, one week, three weeks and one month after the intervention
Method of measurement
cm^2

Secondary outcomes

1

Description
Wound infection
Timepoint
One week, three weeks, one month and six months after the intervention
Method of measurement
Incidence of infection

2

Description
Scar
Timepoint
One week, three weeks, one month and six months after the intervention
Method of measurement
Visual analogue scale

Intervention groups

1

Description
Irrigation of wound will be performed every 12 hours with normal saline and then wound will be covered and dressed with a layer of honey with a dose of 1 inches per 5 square centimeter of wound surface area. Treatment duration will take three weeks.
Category
Other

2

Description
Irrigation of wound will be performed every 12 hours with normal saline and then wound will be covered and dressed with a layer of mefnaid acetate with a dose of 1 inche per 5 square centimeter of wound surface area. Treatment duration will take three weeks.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Men and women burn wards, Sina Educational and Thraputic Center
Full name of responsible person
Dr.Mohammad Baghaei
Street address
after Maralan intersection, Azadi St,
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity

Sina Educational and Thraputic Center

Full name of responsible person

Dr. Hemmat Maghsoudi

Street address

After Maralan intersection, Azadi St,

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Sina Educational and Thraputic Center

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

Sina Educational and Thraputic Center

Full name of responsible person

Dr. Hemmat Maghsoudi

Position

Assistant Professor, General Surgery

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Men and women burn wards, Sina Educational and Thraputic Center

Full name of responsible person

Dr. Fereydoun Salehi

Position

Assistant Professor of Plastic and reconstructive surgery

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Faculty of Medicine, Tabriz University of Medical Sciences and Health Services

Full name of responsible person

Dr. Mohammad Baghaei

Position

Assistant of general surgery

Other areas of specialty/work

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beside Imam Reza Hospital, Daneshgah Sq, Golgasht St.

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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