Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The Clinical Trial of Comparison of Honey Wax and Olive Oil with Sulfadiazine1% on the pain and wound healing in patients with second-degree burn

Protocol summary

Summary

The aim of this clinical trial study is to compare the honey wax and olive oil with Sulfadiazine 1% on the pain and wound healing of second-degree burn patients. The sampling in this study is convenient method.This study will conduct on 35 outpatient with 5-60 years old who refer to the clinic of Beasat hospital. The inclusion criteria is two separated second- degree burn wounds; Burn with maximum 15 percent of extent; lack of diseases such as malnutrition and diabetes; age between 5-60 years old and Exclusion criteria consists of: Head and neck burns; perineal and penile shaft burns; referring more than 6 to 8 hours; hospitalization; washing the burn with another liquid except water.The method of study is so that after referring to the hospital, patients who have two burn wound and have the inclusion criteria will be selected and then one of the wounds by randomly blocking method will be dressed with sulfadiazine 1% and another by Honey Wax and Olive oil. In the first 3-5 days, once a day and then every other day dressing is done and this work will continue for three weeks. During this time the wound will be assessed by using checklists of burn wound healing and Visual Analogue Scale (VAS) and the two wounds will be compared for healing and pain during wound dressing.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016071325846N2**
Registration date: **2017-04-27, 1396/02/07**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-04-27, 1396/02/07

Registrant information

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Nahid Mohammadi
Name of organization / entity
Hamadan University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Chancellor for research of Hamadan University of Medical Science

Expected recruitment start date

2017-04-15, 1396/01/26

Expected recruitment end date

2018-04-19, 1397/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Clinical Trial of Comparison of Honey Wax and Olive Oil with Sulfadiazine1% on the pain and wound healing in patients with second-degree burn

Public title

The Clinical Trial of Comparison of Honey Wax and Olive oil with Sulfadiazine

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Two separated second degree burn wounds; Burn with maximum 15%of extent; lack of diseases such as malnutrition and diabetes; age between 5-60 years old Exclusion criteria: Head and neck burns; perineal and penile shaft burns; referring more than 6 to 8 hours; hospitalization; washing the burn with another liquid except water

Age

From **5 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **35**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Hamadan University of Medical Science

Street address

Shahid Fahmideh Avenue, University of Medical Science, Hamadan

City

Hamadan

Postal code

Approval date

2014-09-16, 1393/06/25

Ethics committee reference number

16/35/9/2889/پ

Health conditions studied

1

Description of health condition studied

Burn

ICD-10 code

T30.2

ICD-10 code description

Second-degree burn NOS

Primary outcomes

1

Description

pain

Timepoint

Every other day

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

wound healing

Timepoint

Every other day

Method of measurement

checklist of burn wound healing

Intervention groups

1

Description

Intervention group:Dressing with Honey and Olive Oil

Category

Treatment - Drugs

2

Description

Control group: Dressing with Sulfadiazine1%

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Beasat Hospital

Full name of responsible person

Roya Amini

Street address

Shahid Fahmideh Avenue, Hamadan University of Medical Sciences, Hamadan

City

Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor of Research, Hamadan University of Medical Science

Full name of responsible person
Saeid Bashirian

Street address
Shahid Fahmideh Avenue, Hamadan University of Medical Science, Hamadan

City
Hamadan

Grant name
پزوهشی

Grant code / Reference number

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

Title of funding source
Vice chancellor of Research, Hamadan University of Medical Science

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
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Position
Faculty member

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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