

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

A blind clinical trial for efficacy evaluation of a topical burn ointment consisting of Sesame oil, Zinc Oxide and Camphor in burn treatment of 1 and 2 degrees

Protocol summary

Summary

The aim of the study was the efficacy evaluation of a topical burn ointment, consists of Camphor, Zinc Oxide and Sesame oil versus traditional burn treatment in outpatient setting. 60 burn patients of 1 and 2 degrees, eligible to enter the study were randomly assigned into "case" and "control" . Treatment in case group included burn lesion irrigation, debridement, if necessary and dressing using the topical Burn ointment. On the other hand, patients in control group were treated by irrigation, debridement, if necessary and dressing using vaseline guaze as well as orally administered acetaminophen. The patients were visited at least 3 times in the first week. The primary aims of the study were to compare pain, blister formation and burn lesion secretion among the two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013011312107N1**
Registration date: **2013-03-10, 1391/12/20**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-03-10, 1391/12/20

Registrant information

Name

Mohammad Reza Saberi

Name of organization / entity

School of Pharmacy, Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 1882 3255

Email address

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Recruitment status

Recruitment complete

Funding source

Morvarid Co. (private)

Expected recruitment start date

2005-04-21, 1384/02/01

Expected recruitment end date

2005-09-23, 1384/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A blind clinical trial for efficacy evaluation of a topical burn ointment consisting of Sesame oil, Zinc Oxide and Camphor in burn treatment of 1 and 2 degrees

Public title

Study of the efficacy of a topical burn ointment dressing versus traditional Vaseline gauze dressing in burn treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: burn lesions of 1 and 2 degrees, based on clinical examination, occurred not more than 6 hours before randomization. Exclusion criteria: unwillingness to enter the study; being a candidate for inpatient treatment; need to antibiotics; suffering diabetes mellitus or renal failure; using immune

suppressors and if she is pregnant.

Age

From **1 year** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Pharmacy School of Mashhad University of Medical Sciences

Street address

P. O. Box 91775-1365, Mashhad

City

Mashad

Postal code

Approval date

2005-04-14, 1384/01/25

Ethics committee reference number

828/A/40

Health conditions studied

1

Description of health condition studied

Burn

ICD-10 code

T20-25

ICD-10 code description

Burns and corrosions of external body surface, specified by site

Primary outcomes

1

Description

Pain

Timepoint

One hours after treatment

Method of measurement

Questionnaire

2

Description

Blister formation

Timepoint

The begining of the study, first prescription, second prescription

Method of measurement

Objective

3

Description

Burn lesion secretion

Timepoint

First, second and third prescriptions

Method of measurement

Objective

Secondary outcomes

empty

Intervention groups

1

Description

Irrigation of burn lesion, debridement, if necessary and dressing using vaseline guaze as well as oral acetaminophen.

Category

Treatment - Other

2

Description

Burn lesion irrigation, debridement, if necessary and dressing using the topical burn ointment.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Dr. M. R. Saberi

Street address

Pharmacy school, Vakilabad Boulevard

City

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Morvarid co.

Full name of responsible person

Dr. Ahmad Sadeghi

Street address

G98, Shokouhieh Industrial Zone

City

Qom

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

Yes

Title of funding source

Morvarid co.

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

Pharmacy School, Mashhad University of Medical Science

Full name of responsible person

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Position

Associate Professor

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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