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
saberimr@mums.ac.ir

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, occured 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

Mashhad

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
Dr. Mohammad Reza Saberi
Position
Associate Professor
Other areas of specialty/work
Street address
Vakil Abad Blvd.
City
Mashhad
Postal code
Phone
+98 51 1802 3041
Fax
Email
saberimr@mums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Pharmacy School, Mashhad University of Medical Science
Full name of responsible person
Dr. Mohammad Reza Saberi
Position
Associate Professor
Other areas of specialty/work
Street address
Vakil Abad blvd.
City
Mashhad
Postal code
Phone
+98 51 1802 3041
Fax
Email
SaberiMR@mums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Pharmacy School, Mashhad University of Medical Science
Full name of responsible person
Dr. Mohammad Reza Saberi
Position
Associate Professor
Other areas of specialty/work
Street address
Vakil Abad blvd.
City
Mashhad
Postal code
Phone
+98 51 1802 3041
Fax
Email
SaberiMR@mums.ac.ir
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