

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of second degree burns healing time in two methods of dressing by Sea buckthorn herbal ointment and %1 Silver sulfadiazine ointment in Imam Mousa Kazem hospital 2015

Protocol summary

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Summary

This study performed to assess and compare 2 degree burn's healing time in two methods of dressing by sea buckthorn herbal ointment and %1 Silver sulfadiazine ointment in 60 patients of Imam Mousa Kazem hospital in Isfahan. The patients, aged 18-60 years old, with burning wounds area between 1-10% of body surface were randomly assigned into intervention or control group to receive wound dressing with sea buckthorn or Silver Sulfadiazine 1%, daily, until complete wound healing. The time to healing will be measured and compared between groups.

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Isfahan University of Medical Sciences and Health Services

Expected recruitment start date

2015-10-17, 1394/07/25

Expected recruitment end date

2015-11-21, 1394/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015081523623N1**

Registration date: **2015-11-03, 1394/08/12**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-11-03, 1394/08/12

Registrant information

Name

Saeid Shafiee

Name of organization / entity

Isfahan University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 31 3457 2219

Email address

Scientific title

Comparison of second degree burns healing time in two methods of dressing by Sea buckthorn herbal ointment and %1 Silver sulfadiazine ointment in Imam Mousa Kazem hospital 2015

Public title

To compare the effect of sea buckthorn and 1% Silver Sulfadiazine dressing on burns healing time

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 1-age 18-60 years old 2- burn only in contact with heat resource or hot fluids 3- burn area between 1- 10% 4-less than 6 hours passed from burning occurrence 5-patients with second degree burn 6- the wounds without any infection or trauma 7- burn only on body and/or extremities and not on head,neck and genital area Exclusion criteria: 1- burn wound damage during care 2- presence of underlying diseases such as anemia, diabetes, cardiovascular disease, malignancy

and immune insufficiency;; need to consumption of immune supportive drugs; corticosteroids or chemotherapy 3- pregnancy 4- failure to cooperation.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Isfahan University of Medical Sciences and Health Services

Street address

Research vice chancellor, Isfahan University of Medical Sciences and Health Services, Hezarjarib street, Isfahan

City

Isfahan

Postal code

Approval date

2014-05-03, 1393/02/13

Ethics committee reference number

11/4267/3

Health conditions studied

1

Description of health condition studied

Burn

ICD-10 code

T29.2

ICD-10 code description

Burns of multiple regions, no more than second-degree burns mentioned

Primary outcomes

1

Description

Second Degree Burns Healing Sore

Timepoint

Daily

Method of measurement

Daily Inspection of Reveal Complete Recovery Burn Sore with Researcher and confirm with Specialist

Secondary outcomes

1

Description

Side effects such as allergy or redness

Timepoint

Daily

Method of measurement

Daily Inspection of Reveal Complete Recovery Burn Sore with Researcher and confirm with Specialist

Intervention groups

1

Description

Intervention group: after cleaning wound with aseptic N/S 0.9 %, wound has been placed in air until drying completely. Then, 3mm of Sea buckthorn ointment will rubbed on the wound, daily, by tongue blade and has been dressing with sterile Gauze. Dressings will changed daily until wound recovered completely.

Category

Treatment - Drugs

2

Description

Control group: after cleaning wound with aseptic N/S 0.9 %, wound has been placed in air until drying completely. Then, 3mm of Silver Sulfadiazine 1% ointment will rubbed on the wound, daily, by tongue blade and has been dressing with sterile Gauze. Dressings will changed daily until wound recovered completely.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Burn Clinic of Imam Mousa Kazem Hospital

Full name of responsible person

Street address

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research, Isfahan University of
Medical Sciences and Health Services

Full name of responsible person

Dr Mehdi Nematbakhsh

Street address

Research Vice Chancellor Isfahan University of
Medical Sciences and Health Services

City

Isfahan

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

Yes

Title of funding source

Vice Chancellor for research, Isfahan University of
Medical Sciences and Health Services

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**

Isfahan Nursing Faculty

Full name of responsible person

Reza Dariabeigi

Position

Faculty member, Isfahan Nursing Faculty

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

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Person responsible for scientific inquiries

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Full name of responsible person

Saeid Shafiee

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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