

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The efficacy of Hyaluronic Acid and Silver Sulfadiazine cream in burn wound healing

Protocol summary

Summary

In this study, after permission of Medical Ethics Committee at Iran University, the researcher referred to the Shahid Motahari Hospital. After the explanations required for obtaining a letter of satisfaction of patients or his legal (in patients who cannot make their own satisfaction) the Project will plan to start. In accordance with the sample size has been determined, 64 patients, who have been suffered burns (grade 2 and 3) and admitted in Shahid Motahari Hospital, were selected. According to the multiple factors involved in the restoration or wound infection, two research groups, will be chosen parallel, so that the routine use of ointments (sulfadiazine) and the Hyaluronic acid will be done on the same patient, but in the two symmetric or two separate parts of body. The research will be conducted as a blind. After washing and cleaning the wounds, dressing will replace daily. The questionnaire will fill in both groups and the image will be taken as well. Numerical measure (10-0) will use for pain and itching. Wound healing will be measured by taking pictures of each group. Infection will be examined by getting wound culture over two turns from both groups. In this study, the people over 12 years, and patients who have no underlying diseases (because of the delay in wound healing) will be selected.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201311278177N10**
Registration date: **2014-06-13, 1393/03/23**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-06-13, 1393/03/23

Registrant information

Name

Mohammad Javad Fatemi

Name of organization / entity

Burn Research Center of Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8888 4275

Email address

mj-fatemi@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Iran University of Medical Science

Expected recruitment start date

2014-05-22, 1393/03/01

Expected recruitment end date

2014-09-23, 1393/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The efficacy of Hyaluronic Acid and Silver Sulfadiazine cream in burn wound healing

Public title

The effect of Hyaluronic Acid and Silver Sulfadiazine cream in burn wound

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients over 12 years; patients who have been suffered burns Grade 2 and 3; hospitalized patients. Exclusion criteria: Patients who withdrew from

the study in any way; patients with underlying disease.

Age

From **12 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **64**

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

Iran University of Medical Sciences

Street address

Hemmat High Way

City

Tehran

Postal code

Approval date

2014-04-30, 1393/02/10

Ethics committee reference number

100993

Health conditions studied

1

Description of health condition studied

Burn wound

ICD-10 code

T20-T32

ICD-10 code description

Burns and Corrosions

Primary outcomes

1

Description

Wound Healing(Epitelialization)

Timepoint

Daily

Method of measurement

Picture

2

Description

Itching

Timepoint

Daily

Method of measurement

Questionare

3

Description

Pain

Timepoint

Daily

Method of measurement

Pain Scale

4

Description

Infection

Timepoint

Towice

Method of measurement

Wond Culture

Secondary outcomes

empty

Intervention groups

1

Description

Intervention: Hyaluronic Acid ointment

Category

Treatment - Drugs

2

Description

Control: common ointment (Silver sulfadiazine)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Motahari Teaching Hospital

Full name of responsible person

Parviz Namazi

Street address

Motahari Teaching Hospital

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Burn Reaserch Center of Iran University
Full name of responsible person
Dr Fatemi
Street address
Burn Reaserch Center
City
Tehran

Grant name

Grant code / Reference number

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

Title of funding source

Burn Reaserch Center of Iran University

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
Motahri Teaching Hospital
Full name of responsible person
Parviz Namazi
Position
Nurse Director
Other areas of specialty/work
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Contact

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Person responsible for updating data

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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