

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jun 2026

Evaluation efficacy of Aloe vera cream in improvement of diabetic foot

Protocol summary

Summary

Wound healing is a regenerative response after surgery or trauma began a coordinated response with pre-and post-operative care or closely related trauma. The purpose of wound healing, reduction of side effects and complications of the diabetic foot and diabetic foot ulcers are a major cause of morbidity in patients with diabetes is still considered to come. Despite the many advances in diagnosis and treatment of diabetic foot problems, but still has not been resolved. A clinical trial to evaluate the effects of Aloe vera cream in healing diabetic foot ulcers in patients who are admitted to University Hospital. Inclusion criteria: a measure of foot ulceration seen to be necrotic tissue. Patients were divided into two groups: one group received a placebo cream base that constitutes Aloe Vera cream is also an antibiotic and a second antibiotic, prior to the patient's medications are photographed. Patients then the creams and dressings twice a day for 21 days and 7 -14 and 21 are also at the foot of the patient is taken. Wound dressings so that the wound is irrigated with normal saline and then based on which groups have been Aloe vera cream or placebo received after 21 days will be assessed and images are evaluated with image Analysis Software. After calculating the Fisher nonparametric statistics and the results of our wounds and Tiny dependent and independent T-test will be analyzed by SPSS software.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108063576N2**

Registration date: **2013-07-16, 1392/04/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-07-16, 1392/04/25

Registrant information

Name

Zahra Soleimani

Name of organization / entity

Kashan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 36 1555 0030

Email address

soleimani.zahra@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kashan University of Medical Sciences

Expected recruitment start date

2013-05-19, 1392/02/29

Expected recruitment end date

2013-06-21, 1392/03/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation efficacy of Aloe vera cream in improvement of diabetic foot

Public title

Evaluation efficacy of Aloe vera cream in improvement of diabetic foot

Purpose

Treatment

Inclusion/Exclusion criteria

Patients diagnosed with diabetes and lower extremity wound infections

Age

From **13 years** old to **100 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 54

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kashan University of Medical Sciences

Street address

Kashan - Ravandi Arctic Boulevard - Boulevard doctor

City

Kashan

Postal code

Approval date

2013-05-18, 1392/02/28

Ethics committee reference number

29/5/1/628/پ

Health conditions studied

1

Description of health condition studied

Diabetes

ICD-10 code

E-10

ICD-10 code description

Peripheral angiopathy in diseases classified elsewhere

Primary outcomes

1

Description

Healing diabetic foot ulcers

Timepoint

Weekly

Method of measurement

image Analysis

Secondary outcomes

1

Description

Reduction in ulcer size

Timepoint

Weekly

Method of measurement

image Analysis

Intervention groups

1

Description

Patients in the intervention group, the wound is irrigated with normal saline and then become topical aloe vera gel that is placed on the wound dressing, and the band dressing up to be a period of 21 days will be carried out twice a day.

Category

Treatment - Drugs

2

Description

Patients in the control group, the wound is irrigated with normal saline and then put some control on the wound with gauze and bandages are Pansmam twice a day for 21 day

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Beheshti Hospital

Full name of responsible person

Street address

City

Kashan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

somaye nadi

Street address

Boulevard doctor , Boulevard qotb ravandi, kashan

City

Kashan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kashan University of Medical Sciences

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**

Kashan University of Medical Sciences

Full name of responsible person

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Position

Infectious Disease Specialist

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Nursing student

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Email**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