

# 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**

Dr. Zahra Soleimani

**Position**

Infectious Disease Specialist

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Kashan hospital

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**Full name of responsible person**

Azim Zeraatkar

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Nursing student

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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*