Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of the effectiveness of Pistachio (mutica or atlantica) in improvement of diabetic foot

Protocol summary

Summary

Diabetes is an increasing health problem in the modern countries. Diabetic foot develops in about 20% of diabetic patients which can decrease their quality of life. This clinical trial study was conducted to evaluate the effect of Beneh ointment on the improvement of diabetic foot in out-patient and in-patient diabetic patients referred to Beheshti hospital. The inclusion criterion is strict evidence of diabetic (2 times: FBS >126 mg/dl) and clinical findings suggestive of infection of wound (erythematic, swelling, discharge). The patients are categorized in two groups. In one group only systemic antibiotic and in the second group the systemic antibiotic plus Beneh ointment are used. Clinical improvement of the wound and negative result of the wound culture are the main criterion for the effectiveness of Beneh ointment .The results of the study were analyzed by SPSS (version 14) using K square.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812243576N1**
Registration date: **2010-09-30, 1389/07/08**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-09-30, 1389/07/08

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 science

Expected recruitment start date

2010-04-21, 1389/02/01

Expected recruitment end date

2010-06-22, 1389/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effectiveness of Pistachio (mutica or atlantica) in improvement of diabetic foot

Public title

Evaluation of the effectiveness of Pistachio (mutica or atlantica) in improvement of diabetic foot

Purpose

Treatment

Inclusion/Exclusion criteria

Patients have with definitive diabetic and lower limb infective ulcer

Age

From **18 years** old to **100 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size
Target sample size: **30**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
kashan university of medical science

Street address
Kashan-ghotberavandi Boulvard

City
Kashan

Postal code
8715988141

Approval date
empty

Ethics committee reference number
4948/1/5/29/پ

Health conditions studied

1

Description of health condition studied
Diabetic foot

ICD-10 code
E14.5

ICD-10 code description
With peripheral circulatory complication:diabetic ulcer

Primary outcomes

1

Description
depth of ulcer

Timepoint
7 days

Method of measurement
infectious disease specialist with a ruller

2

Description
tempreture at ulcer bed

Timepoint
7 days

Method of measurement
infectious disease specialist with termometer

3

Description
diameter of ulcer

Timepoint
7 days

Method of measurement
the wounds shape is transferred on to a checkered using a nylon

Secondary outcomes

1

Description
Number of days till recovery

Timepoint
7 days

Method of measurement
infectious specialist, counting the days after treatment started

2

Description
infection complication

Timepoint
7 days

Method of measurement
infectious specialist, culture of wound secretions

Intervention groups

1

Description
In interventional group, Beneh ointment and systemic antibiotic are used. Topical ointment is derived from Pistachio plant. It consist of 50% Pistachio, 30% lanoline, 20% ucerine. It applied as a tine layer on the surface of the wound (once daily, at least 1 week). Systemic antibiotic consist of: Cloxacillin Amp 1 g q6h, Ceftriaxone Amp 1 g q12h, Clindamycin Amp 600 mg q6h(at least: 7 days)

Category
Treatment - Drugs

2

Description
In control group used only systemic antibiotic: Cloxacillin Amp 1 g q6h, Ceftriaxone Amp 1 g q12h, Clindamycin Amp 600 mg q6h (at least: 7 days)

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
infectous ward Beheshti hospital
Full name of responsible person
Dr. Zahra Soleimani
Street address
ghotbe ravandi boulvard-beheshti hospital-infectous disease ward
City
kashan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kashan university of medical sciences
Full name of responsible person
Vice chancellor for research
Street address
ghotbe ravandi boulvard
City
kashan
Grant name
7901000
Grant code / Reference number
8854
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 sience
Full name of responsible person
Dr Zahra Soleimani
Position
infectious disease specialist
Other areas of specialty/work
Street address
kashan - boulvard ghotbeh ravandi -beheshti hospital-infectious disease ward
City
kashan
Postal code
Phone
+98 36 1555 0026
Fax
Email
soleimani.zahra@kaums.ac.ir;
soleimani.zahra@yahoo.com;
kamalesalatmanesh@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
kashan university of medical sience
Full name of responsible person
Dr Zahra Soleimani
Position
infectious disease specialist
Other areas of specialty/work
Street address
ghotbe ravandi boulvard-beheshti hospital
City
kashan
Postal code
Phone
+98 36 1555 0026
Fax
Email
soleimani.zahra@kaums.ac.ir;
soleimani.zahra@yahoo.com;
kamalesalatmanesh@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
kashan university of medical sience
Full name of responsible person
Dr Zahra Soleimani
Position
infectious disease specialist
Other areas of specialty/work
Street address
ghotbe ravandi boulvard-beheheshti hospital
City
kashan
Postal code
Phone
Fax
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