

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Effect of turmeric dressing on diabetic foot in comparison to routine dressing

Protocol summary

Study aim

Is turmeric preparation effective on diabetic foot sore

Design

study includes 30 patients, 15 as control and 15 as intervention. it is open-label and phase 4 trial.

Settings and conduct

As diabetes has a huge burden and complications, to find alternative, more effective and less expensive methods is an appropriate action. this study is done in Modarress hospital of saveh and Mostafa Khomini dispensary. study designed in two parallel groups, one as control and the other as intervention group.

Participants/Inclusion and exclusion criteria

inclusion criteria: patients with diabetic foot sore

exclusion criteria: patients with osteomyelitis

Intervention groups

turmeric ointment applied on sores twice daily after washing with saline for 5 weeks. saline washing applied for control group. all sores dressed by sterile gauze.

Main outcome variables

1) clinical variables: A) signs of diabetic sore(s) B) area of the sore(s) 2) laboratory variables: A) FBS B) BS 2h PP C) HgA1C

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170828035960N2**

Registration date: **2019-02-05, 1397/11/16**

Registration timing: **registered_while_recruiting**

Last update: **2019-02-05, 1397/11/16**

Update count: **0**

Registration date

2019-02-05, 1397/11/16

Registrant information

Name

sasan gazerani

Name of organization / entity

Saveh university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 4234 3395

Email address

s_gazerani@hotmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-01-21, 1397/11/01

Expected recruitment end date

2021-01-20, 1399/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of turmeric dressing on diabetic foot in comparison to routine dressing

Public title

Turmeric and diabetic sore

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Diabetic patients with diabetic foot sore no sign of osteomyelitis

Exclusion criteria:

osteomyelitis

Age

No age limit
Gender
Both
Phase
4
Groups that have been masked
No information
Sample size
Target sample size: 29
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

ethics committee of saveh university of medical sciences

Street address

Kaveh industrial state, Yas str., Saveh-3914334911

City

Saveh

Province

Markazi

Postal code

3914334911

Approval date

2019-01-21, 1397/11/01

Ethics committee reference number

IR.SAVEHUMS.REC1396.29

Health conditions studied

1

Description of health condition studied

diabetic foot ulcer in prolonged and uncontrolled diabetes mellitus

ICD-10 code

E08.51

ICD-10 code description

Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene

2

Description of health condition studied

diabetic foot ulcer in prolonged and uncontrolled diabetes mellitus

ICD-10 code

E10.51

ICD-10 code description

Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene

3

Description of health condition studied

diabetic foot ulcer in prolonged and uncontrolled diabetes mellitus

ICD-10 code

E11.51

ICD-10 code description

Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene

Primary outcomes

1

Description

Any probable changes in the size of diabetic foot sore by using imageJ software.

Timepoint

weekly measurement of the size of the sore for 5 consecutive week

Method of measurement

by image J software

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Intervention group: in this group we study effect of turmeric ointment (manufactured by seagull compoany) on diabetic foot. According to previous studies we apply this ointment twice daily for 5 consecutive weeks. Usage of this ointment is in addition to standard protocols using for the patients. After irrigation of the wound by normal saline wound will be covered by turmeric dressing. previous medications will be continued according to the physician decision.

Category

Treatment - Drugs

2

Description

Control group: In control group, wound only will be irrigated by normal saline then dressed and administered medication will be continued.

Category

Recruitment centers

1

Recruitment center

Name of recruitment center

Moddares general hospital-Saveh

Full name of responsible person

Sasan Gazerani

Street address

Yas str., Kaveh industrial city, saveh

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Web page address

http://isid.research.ac.ir/Sasan_Gazerani

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Saveh University of Medical Sciences

Full name of responsible person

Farideh Rahnama

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Grant name

Grant code / Reference number

96_01_29

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

Yes

Title of funding source

Saveh University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Saveh University of Medical Sciences

Full name of responsible person

Sasan Gazerani

Position

assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

Physiology

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Saveh University of Medical Sciences

Full name of responsible person

Sasan Gazerani

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

after deidentifying patients, data could be shared.

When the data will become available and for how long

after completing the research data would become available.

To whom data/document is available

it will be available for people working in academic institutions and also for people working in drug industries sector.

Under which criteria data/document could be used

using the result for treatment of patients and also in pharmaceutical industries is recommended.

From where data/document is obtainable

call corresponding author.

What processes are involved for a request to access data/document

correspond to vice-chancellor in research affairs in saveh university of medical sciences.

Comments