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 dispensery. 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 universty of medical sciences
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Iran (Islamic Republic of)
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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

Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Moddares general hospital-Saveh
Full name of responsible person
Sasan Gazerani
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Saveh University of Medical Sciences
Full name of responsible person
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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
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Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

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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 availabe.

To whom data/document is available
it will be available for people working in academic institutions and also foor 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