Clinical Trial Protocol
Iranian Registry of Clinical Trials

20 Jul 2026

Comparison of the effect of nano bandage and cellulose bandage on the size of the skin lesion in patients with Vitiligo

Protocol summary

Study aim
The effect of biodegradable polymeric electrospun nanofiber as the biological dressing for vitiligo treatment

Design
This study is a nonblinded clinical trial. The research population will be included of all patients referring to private skin clinic in Kermanshah city.20 eligible patients will be selected conveniently and Non-random assigned to intervention and control groups.

Settings and conduct
This study is a non-blind non randomizes clinical trial which will be conducted at a personal office of a Dermatologist in Kermanshah. At the beginning of the study, the color and approximate size of the skin lesions are evaluated and recorded in a checklist and will be re-examined after the end of the study.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Patients with unstable vitiligo Exclusion criteria: Pregnancy; lactation; other systemic diseases such as cardiovascular disease; Renal or liver failure.

Intervention groups
In the intervention group, nano-bandages (Polyvinyl alcohol, Merck Germany) will be used on vitiligo skin lesion for one week to ten days. Dressing will not be changed, it will only be checked for infection every two days. In the control group for a week to ten days, the usual dressing (Cellulose) will be used on the lesion. Dressing will not be changed, it will only be checked for infection every two days.

Main outcome variables
Skin lesion size، Change in the color of skin lesions

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20130812014333N98**
Registration date: **2018-08-16, 1397/05/25**
Registration timing: **registered_while_recruiting**

Last update: **2018-08-16, 1397/05/25**
Update count: **0**

Registration date
2018-08-16, 1397/05/25

Registrant information

Name
Feizollah Foroughi
Name of organization / entity
kermanshah University 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
2018-07-16, 1397/04/25

Expected recruitment end date
2019-01-15, 1397/10/25

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of the effect of nano bandage and cellulose bandage on the size of the skin lesion in patients with Vitiligo

Public title
The effect of nano bandage for vitiligo treatment

Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Patients with unstable vitiligo
Exclusion criteria:
Pregnancy and lactation Other systemic diseases such as cardiovascular disease Renal or liver failure
Age
No age limit
Gender
Both

Phase
2-3
Groups that have been masked
No information
Sample size
Target sample size: **20**
Randomization (investigator's opinion)
Not randomized
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 Kermanshah University of Medical Sciences
Street address
Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti blvd
City
Kermanshah
Province
Kermanshah
Postal code
6715847141
Approval date
2017-07-05, 1396/04/14
Ethics committee reference number
ir.kums.rec.1396.176

Health conditions studied

1

Description of health condition studied
Vitiligo
ICD-10 code
L80
ICD-10 code description
Vitiligo

Primary outcomes

1

Description
The skin lesion size
Timepoint
At the beginning of the study, ten days and six months after the end of the study
Method of measurement
Using the digimizer software

2

Description
Change in the color of skin lesions
Timepoint
At the beginning of the study, ten days and six months after the end of the study
Method of measurement
Using the digimizer software

Secondary outcomes

empty

Intervention groups

1

Description
In the intervention group, nano-bandages(Polyvinyl alcohol, Merck Germany) will be used for one week to ten days. The dressing will not be changed, it will only be checked for infection every two days once
Category
Treatment - Other

2

Description
In the control group the usual dressing (Cellulose) will be used for a week to ten days. The dressing will not be changed, it will only be checked for infection every two days.
Category
Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Personal office
Full name of responsible person
Sara Kahrarian
Street address
Golestan Square
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6715813142
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kahrariansara@yahoo.com

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Farid Najafi
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Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti blvd.
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kermanshah 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
Kermanshah University of Medical Sciences
Full name of responsible person
Sarar Kahrarian
Position
Pharmacy student
Latest degree
A Level or less
Other areas of specialty/work
Medical Pharmacy
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Contact
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Position
Faculty Member of Kermanshah University of Medical Sciences
Latest degree
Ph.D.
Other areas of specialty/work
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Person responsible for updating data

Contact
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Sara Kahrarian
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Pharmacy student
Latest degree
A Level or less

Other areas of specialty/work
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is 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
Yes - There is a plan to make this available
Analytic Code
Not applicable
Data Dictionary
Not applicable
Title and more details about the data/document
The main outcomes of the study will be shared.
When the data will become available and for how long
3 months
To whom data/document is available
If requested, results will be made available to other academic researchers
Under which criteria data/document could be used
If the data in this study is necessary for another study
From where data/document is obtainable
To receive the documentation, email send for update manager
What processes are involved for a request to access data/document
In a 15-day period, the documents will be sent e-mail
Comments