

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

Registration timing: **registered_while_recruiting**

Study aim

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

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

Update count: **0**

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.

Registration date

2018-08-16, 1397/05/25

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.

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 83 1821 4653

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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.

Recruitment status

Recruitment complete

Funding source

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.

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

Main outcome variables

Skin lesion size. Change in the color of skin lesions

Scientific title

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

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N98**

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

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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Kermanshah
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Kermanshah
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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
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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
Sara Kahrarian
Position
Pharmacy student
Latest degree
A Level or less
Other areas of specialty/work
Medical Pharmacy
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Person responsible for scientific inquiries

Contact

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Elham Arkan
Position
Faculty Member of Kermanshah University of Medical
Sciences
Latest degree
Ph.D.
Other areas of specialty/work
Medical Nanotechnology
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Person responsible for updating data

Contact

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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