Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The effect of gel containing of aloe vera gel and licorice extract on mild to moderate acne vulgaris

Protocol summary

Summary

This study is a randomized, double-blind, control trial on patients > 12 years old Who referred to dermatology clinic or office with mild to moderate acne vulgaris.If the Volunteers taking the medication for acne in the past 2 months or allergy to medicine used in the study Can not be included in the study. At first randomly divided into two groups containing aloe vera and licorice gel or clindamycin 1% gel. Both drugs are consumed locally bedtime and after washing with antibacterial soap. The duration of study 8 weeks and Volunteers 4 times visit. Baseline, the end of the first week, the fourth week and eighth weeks. In addition to the grading acne at each visit, the total lesion count (TLC) and acne severity index (ASI) per person calculated and compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016021412438N17**
Registration date: **2016-02-16, 1394/11/27**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2016-02-16, 1394/11/27

Registrant information

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Name of organization / entity
Kashan University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Barij Research Center of Medicinal Plants

Expected recruitment start date

2016-04-03, 1395/01/15

Expected recruitment end date

2016-09-22, 1395/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of gel containing of aloe vera gel and licorice extract on mild to moderate acne vulgaris

Public title

The effect of gel containing of aloe vera and licorice on acne vulgaris

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with mild to moderate acne, defined as GAGS scale, who were not satisfied with their previous acne therapies participated in the study after giving written informed consent Exclusion criteria:pregnancy or lactation; had received topical anti acne therapy two months before or during the study or any systemic therapy with antibiotics; had a skin disease that might interfere with the diagnosis or evaluation of their hyper pigmentation; were known to be allergic or sensitive to any of the study medications or their components

Age

From **12 years** old to **139 years** old

Gender
Both

Phase
2-3
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Randomized based on table of random numbers

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Kashan University of Medical Sciences
Street address
Kashan University Of Medical Sciences, Kashan
City
Kashan
Postal code
Approval date
2016-02-03, 1394/11/14
Ethics committee reference number
IR.KAUMS.REC.1394.149

Health conditions studied

1

Description of health condition studied
Acne vulgaris
ICD-10 code
L70.0
ICD-10 code description
Acne vulgaris

Primary outcomes

1

Description
acne grading
Timepoint
Baseline and End-of-trial
Method of measurement
Global Acne Grading System(GAGS)

2

Description
acne severity
Timepoint
Baseline, the end of the first and fourth weeks, end of the study
Method of measurement
acne severity index(ASI)

3

Description
total lesion count
Timepoint
Baseline, the end of the first and fourth weeks, end of the study
Method of measurement
total lesion count(TLC)

Secondary outcomes

empty

Intervention groups

1

Description
intervention: topical use herbal gel after washing with antibacterial soap every night at bedtime for two months
Category
Treatment - Drugs

2

Description
control: topical use Clindamycin after washing with antibacterial soap every night at bedtime for two months
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Dr R.Talaee office
Full name of responsible person
Dr Rezvan Talaee
Street address
City
Kashan

2

Recruitment center
Name of recruitment center

Shahid Beheshti hospital dermatology clinic
Full name of responsible person
Dr Rezvan Talaee
Street address
City
Kashan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Barij Research Center of Medicinal Herbs
Full name of responsible person
Miss L.Hejazi
Street address
Kashan Mashhad Ardehal Road, KM44
City
Kashan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Barij Research Center of Medicinal Herbs
Proportion provided by this source
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

2

Sponsor
Name of organization / entity
Vice chancellor for research of Kashan University of Medical Science
Full name of responsible person
Dr Gholam Ali Hamidi
Street address
Kashan university of Medical Science, Kashan
City
Kashan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor for research of Kashan University of Medical Science
Proportion provided by this source
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

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Person responsible for updating data

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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