Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Comparative effect of Alcea Althea with placebo on severity of latex allergy symptoms among operating room staffs in hospitals of Arak city.

Protocol summary

Summary

The aim of this study was to evaluate the impact of the Althea officinalis on latex allergy among hospital operating room personnel of Arak. This study was a double-blind clinical trial, on 66 operating room personnel in Arak hospitals who are allergic to latex. They were randomly divided into two groups (8% and 5 ml aqueous extracts of Althea officinalis before and after wearing the gloves) and control distilled water (similar to the intervention group), respectively. Before and after intervention, the samples were examined by a dermatologist and completed self-assessment questionnaire of “Symptom Severity of Natural latex allergy". Inclusion criteria included: allergy to latex, daily use of latex gloves. Exclusion criteria: pregnancy, use of corticosteroids, allergy to Althea officinalis. Finally, to assess the impact of the Althea officinalis on the symptoms of latex allergy .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014072614229N2**
Registration date: **2014-09-05, 1393/06/14**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-09-05, 1393/06/14

Registrant information

Name
Hadi Jafari manesh
Name of organization / entity
Arak University of Medical Science
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Science

Expected recruitment start date

2014-03-20, 1392/12/29

Expected recruitment end date

2014-07-29, 1393/05/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative effect of Alcea Althea with placebo on severity of latex allergy symptoms among operating room staffs in hospitals of Arak city.

Public title

Effect of Alcea Althea on latex allergy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria included having a degree of latex allergy, aged between 18 and 60 years, working as an operating room personnel, and history of Latex gloves. Exclusion criteria included pregnancy, use of corticosteroids, use of medications associated with skin lesions, withdrew from the study.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **66**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features
Double-blind study. Participants and the researcher is not aware of the materials that used in the study. Subjects were randomly assigned into experimental and control groups by lottery.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Arak University of Medical Sciences
Street address
Basij Sq. Arak
City
Arak
Postal code
3819693345
Approval date
2012-09-22, 1391/07/01
Ethics committee reference number
6- 139- 91

Health conditions studied

1

Description of health condition studied
latex allergy
ICD-10 code
Z88.8
ICD-10 code description
Personal history of allergy to other drugs, medicaments and biological substances

Primary outcomes

1

Description
latex allergy
Timepoint
Before and after 30 days
Method of measurement
The questionnaire contains natural latex allergy symptoms

Secondary outcomes

empty

Intervention groups

1

Description
Group 1 (intervention): 5 ml of 8% aqueous extract solution of flowers and roots of Althea officinalis, are used for 30 days, before and after using gloves.
Category
Treatment - Other

2

Description
Group 2 (control): 5 ml of placebo (sterile water), before and after, is used for 30 days, before and after using gloves
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Amirkabir Hospital
Full name of responsible person
Hadi Jafari Manesh
Street address
Rahahan Sq. Arak
City
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical Science
Full name of responsible person
Davood Hekmatpou
Street address
Basij Sq. Arak
City
Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Arak University of Medical Science

Proportion provided by this source

100

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

Contact

Name of organization / entity

Arak University of Medical Sciences

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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