

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jun 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

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3503

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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

Full name of responsible person

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Position

Ph.D /Research Manager

Other areas of specialty/work

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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