

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation of antiseptics effect of herbal solution of A-S14-1 on hand skin

Protocol summary

Summary

In this clinical trial, an alcohol free skin's friend herbal solution of A-S14-1 will evaluate as a disinfectant without any above mentioned chemical compounds. The aim of the study is to evaluate the disinfecting effects of herbal solution of A-S14-1 on hand skin of 20 men and women volunteers as a before and after study on the basis of EN12791 method. Inclusion criteria included short and clean nails, lack of use of ointments, medications or antimicrobial soap for at least a week before the intervention. Exclusion criteria will pregnant women, any cuts, wounds, abrasions on hands skin and skin diseases. Effect of herbal solution of A-S14-1 on microbial count of fingers tips will compare before and after washing with the solution as EN12791 procedure. Bacterial count before and after will compare as the main outcome of variables.

General information

Acronym

Spray A-S14-1

IRCT registration information

IRCT registration number: **IRCT2016020726409N1**

Registration date: **2016-03-27, 1395/01/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-03-27, 1395/01/08

Registrant information

Name

Parviz Owlia

Name of organization / entity

Shahed University

Country

Iran (Islamic Republic of)

Phone

+98 21 5522 8800

Email address

owlia@shahed.ac.ir

Recruitment status

Recruitment complete

Funding source

Pishgaman Armaghan Aftab Company

Expected recruitment start date

2016-01-20, 1394/10/30

Expected recruitment end date

2016-03-05, 1394/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of antiseptics effect of herbal solution of A-S14-1 on hand skin

Public title

Evaluation of Herbal Spray as hands Antiseptic

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Fingernails should be short and clean; Non-use of ointments, medications or antimicrobial soap for at least a week before the interventions Exclusion criteria: Pregnant women; There are cuts, wounds, abrasions on the skin of the hands; The risk of skin disease

Age

From **18 years** old to **100 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 20

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

-

Secondary Ids

1

Registry name

ND

Secondary trial Id

ND

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahed University, Deputy of Research

Street address

Behesht-Zahra, Khaliije-Fars Freeway, Tehran

City

Tehran

Postal code

3319118651

Approval date

2016-01-19, 1394/10/29

Ethics committee reference number

IR.Shahed.REC.1394.68

Health conditions studied

1

Description of health condition studied

Topical Agent

ICD-10 code

Y56.9

ICD-10 code description

Topical agent, unspecified

Primary outcomes

1

Description

Basic Microbial count

Timepoint

Before Antisepsis by studied herbal solution

Method of measurement

Volunteers wash their hands with liquid normal soap for a minute and then rinse and drying laundry, The fingertips of both hands will rub for 1 minute in a petri dish containing 10 ml of TSB. Then, 1 and 0.1 ml of the liquid will take and will culture on petri dishes containing TSA (with a glass rod head tilt). In addition, from the fluid, one-tenth dilution in TSB was prepared and 0.1 ml will culture on TSA. If necessary, microbial count will continue to further dilutions in a pour-plate method. All samples will incubate at a temperature of 37 ± 1 for 48-24 hours and then cfu / ml.

2

Description

Microbial count immediately after antisepsis by studied herbal solution

Timepoint

immediately after antisepsis by studied herbal solution

Method of measurement

Antisepsis of both hands will carry out by 3 ml of A-S14-1 solution and rubbing. If necessary, an additional 3 ml will add. As described for basic Microbial count, the method will accomplish on randomly selected hand after 3 minutes antisepsis by studied solution. The other hand will cover with a sterile surgical glove.

Secondary outcomes

1

Description

Microbial count 3 hours after antisepsis by studied herbal solution

Timepoint

3 hours after antisepsis by studied herbal solution

Method of measurement

After 3 hours the glove from hand will remove and microbial count will perform as earlier mentioned method

Intervention groups

1

Description

Effect of herbal solution A-S14-1 product of Pishgaman Armaghan Aftab Company on microbial count of fingers tips will compare before and after washing with the solution as EN12791 procedure. The herbal solution of A-S14-1 is compatible with skin, without any alcohol and chemicals such as chlorinated compounds, silver nanoparticles, tetravalent ammonium compounds, Triclosan etc. Antisepsis of both hands will carry out by 3 ml of A-S14-1 solution and rubbing. If necessary, an additional 3 ml will add. As described for basic Microbial count, the method will accomplish on randomly selected hand after 3 minutes antisepsis by studied solution. The other hand will cover with a sterile surgical glove.

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Molecular Microbiology Research Center, Shahed University

Full name of responsible person

Professor Parviz Owlia

Street address

Research Centers of Shahed University, No.1471, First Floor, North Kargar St., Tehran, Iran

City

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Pishgaman Armaghan Aftab Company

Full name of responsible person

Ghasem Habibi Dehfooli

Street address

No. 14, Molaem, Besharat St, Arak, Iran

City

Arak

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Pishgaman Armaghan Aftab Company

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**

Pishgaman Armaghan Aftab Company

Full name of responsible person

Ghasem Habibi Dehfooli

Position

Chairman of the Board

Other areas of specialty/work**Street address**

No. 14, Molaem, Besharat St, Arak, Iran

City

Arak

Postal code

381875875

Phone

+98 86333664708

Fax**Email**

ghasemhabibi.chem@gmail.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Shahed University

Full name of responsible person

Professor Parviz Owlia

Position

Professor in Microbiology

Other areas of specialty/work**Street address**

Molecular Microbiology Research Center, Shahed University, Tehrsn, Iran

City

Tehran

Postal code**Phone**

+98 21 5522 8800

Fax**Email**

Owlia@Shahed.ac.ir

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Pishgaman Armaghan Aftab Co.

Full name of responsible person

Ghasem Habibi Dehfooli

Position

Chairman of the Board

Other areas of specialty/work**Street address**

No. 14, Molaem, Besharat St, Arak, Iran

City

Arak

Postal code

3818758754

Phone**Fax****Email**

ghasemhabibi.chem@gmail.com

Web page address**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