

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Compering the effect of Thymus Volgaris spray and Decosept on microbial load of nurses hand

Protocol summary

Summary

This study is a blind randomized clinical trial to compare the antimicrobial effect of thyme spray and Decosept solution on microbial load of nurses hand. After obtaining permission from the university ethics committee, 72 nurses from various units of a teaching hospital- who had at least 6 months experience in hospitals- will be chosen. Of each units 6 randomly selected nurses in different shifts and then the samples will be divided into two groups with each other. After obtaining consent from participants, from each group initially a primary culture in accordance with standard Pr EN TBS is obtained. For the preservation of the names of participants in each of the samples will be assigned a number. Then the first group, thyme spray is given and asked them to rub their hands enough until moisture is removed, without washing. After ten minutes, another sample is taken from them. The second group has done the same thing, except that instead of Decosept used thyme spray.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016081326667N5**
Registration date: **2016-09-15, 1395/06/25**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-09-15, 1395/06/25

Registrant information

Name

Ali Jadidi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3508

Email address

jadidi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2016-09-20, 1395/06/30

Expected recruitment end date

2017-06-01, 1396/03/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Compering the effect of Thymus Volgaris spray and Decosept on microbial load of nurses hand

Public title

Compering the effect of Thymus Volgaris spray and Decosept

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Having work experience in the hospital for at least 6 months; Age 20 to 60 years. Exclusion criteria: Unwillingness to continue the study.

Age

From **20 years** old to **55 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 72

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Arak University of Medical Sciences

Street address

Alamolhoda St, Arak.

City

Arak

Postal code

Approval date

2016-08-15, 1395/05/25

Ethics committee reference number

ARAKMU.IEC.1395.189

Health conditions studied

1

Description of health condition studied

Microbial load of nurses hand

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Clooney count

Timepoint

Before and 10 minute after intervention

Method of measurement

Microbial culture

Secondary outcomes

1

Description

Variety of microbial strains.

Timepoint

Before and 10 minute after intervention

Method of measurement

Microbial culture

Intervention groups

1

Description

Intervention group: Spray thyme, the two puffs and then hand rub to the extent that moisture dries

Category

Prevention

2

Description

Control group: 5 ml Decosept and then hand rub, to the extent that moisture is dry.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr Hospital

Full name of responsible person

Ali Jadidi

Street address

Valiasr Square, Imam Khomeini St, Arak.

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Mehdi Safarabadi

Street address

Faculty of Paramedicine, Basij Square, Taleghani Avenue, 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 Sciences

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

Avenue, Arak Arak

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

Arak University of Medical Sciences

Full name of responsible person

Jadidi Ali

Position

Msc of Nursing

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

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Position

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Arak University of Medical Sciences

Full name of responsible person

Ehsanollah Ghaznavi Rad

Position

PHD

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

Faculty of Paramedicine, Basij Square, Taleghani

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