

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 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*

## Person responsible for general inquiries

### Contact

**Name of organization / entity**  
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## Person responsible for scientific inquiries

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## Person responsible for updating data

### Contact

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**Email**  
**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*