

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

13 Jun 2026

### Evaluation of sensitization by Candida antigen in comparison with cryotherapy in treatment of wart lesions in patients referring to dermatology clinic of Quaem hospital

#### Protocol summary

##### Summary

This study was conducted from December 2013 through February 2014 among patients aged more than 15 years old with verruca vulgaris and plantar warts. They were neither pregnant, lactating nor have any evidence of known immunodeficiency. Cases were referred to dermatology clinic of Quaem Hospital. After giving information about methodology and objectives, those people who were qualified enrolled and written consent was taken. They randomly divided into two groups of 30 peoples (Group A and B) based on the day of referral. Group A was given 0.1 ml of Candidate antigen intralesionally into the greatest lesions each 3 weeks apart for a total of three doses and group B was under treatment with liquid nitrogen cryotherapy weekly till 10 weeks or otherwise complete improvement in less sessions. Then improvement response and side effects was compared between two groups.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015012016955N5**  
Registration date: **2015-11-26, 1394/09/05**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-11-26, 1394/09/05

##### Registrant information

##### Name

Pouran Layegh

##### Name of organization / entity

department of dermatology, Ghaem hospital,

Mashhad, Iran

##### Country

Iran (Islamic Republic of)

##### Phone

+98 51 1801 2861

##### Email address

momenzadeha1@mums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research of Mashhad University of Medical Sciences

##### Expected recruitment start date

2013-12-22, 1392/10/01

##### Expected recruitment end date

2014-02-19, 1392/11/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluation of sensitization by Candida antigen in comparison with cryotherapy in treatment of wart lesions in patients referring to dermatology clinic of Quaem hospital

##### Public title

Treatment response of wart lesions to sensitization by Candida antigen in comparison with cryotherapy

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: patients older than 15 years that have verucca vulgaris and plantar warts whom referred to dermatology clinic of Quaem hospital; no prior allergic

response to mumps or Candida antisera; not be pregnant or lactating; no primary or iatrogenic immunosuppression; no infection with human immunodeficiency virus type 1 (HIV1); no hypersensitivity to lidocaine; no previous treatment for wart during 1 month ago  
Exclusion criteria: Taking any treatment for wart during study

### Age

From **15 years** old to **75 years** old

### Gender

Both

### Phase

2

### Groups that have been masked

*No information*

### Sample size

Target sample size: **60**

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Not blinded

### Blinding description

### Placebo

Not used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Mashhad University of Medical Sciences

##### Street address

Central Building of Mashhad University of Medical Sciences (Ghorshi), Daneshgah 16, Daneshgah Street

##### City

Mashhad

##### Postal code

##### Approval date

2011-09-23, 1390/07/01

##### Ethics committee reference number

911047

## Health conditions studied

### 1

#### Description of health condition studied

wart

#### ICD-10 code

A18.4

#### ICD-10 code description

common wart

## Primary outcomes

### 1

#### Description

Lesion improvement rate

#### Timepoint

Weekly for cryotherapy until 10 weeks, every 3 weeks for Candida antigen until three doses

#### Method of measurement

Measuring the size of two largest perpendicular diameter of lesion in millimeter

## Secondary outcomes

### 1

#### Description

Side effects

#### Timepoint

Weekly for cryotherapy group and each 3 weeks for candida antigen group

#### Method of measurement

Clinical evaluation

## Intervention groups

### 1

#### Description

Use of 1.1000 purified candida antigen solution (Greer, USA) intralesionally into greatest wart lesions every 3 weeks for 3 doses in intervention group.

#### Category

Treatment - Drugs

### 2

#### Description

Use of cryotherapy with liquid nitrogen weekly for 10 weeks in control group.

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Dermatology clinic, Quaem Hospital

##### Full name of responsible person

Dr Pouran Layegh

##### Street address

##### City

Mashhad

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Vice chancellor for research of Mashhad University of Medical Sciences

**Full name of responsible person**

Dr Mohsen Tafaghodi

**Street address**

Central Building of Mashhad University of Medical Sciences (Ghorshi), Daneshgah 16, Daneshgah street

**City**

Mashhad

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

Yes

**Title of funding source**

Vice chancellor for research of Mashhad 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**

Mashhad University of Medical Sciences

**Full name of responsible person**

Dr Pouran Layegh

**Position**

Associate professor of Dermatology

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

Dermatology clinic, Quaem hospital, Ahmad Abad Street

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## Person responsible for scientific inquiries

**Contact****Name of organization / entity**

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## Person responsible for updating data

**Contact****Name of organization / entity**

Mashhad University of Medical Sciences

**Full name of responsible person**

Zahra Montazer Abadi

**Position**

Bachelor of Biology

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

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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*