

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 2026

Clinical trial of effect of intradermal injection of MMR vaccine in treatment of Palmoplantar warts in patients unresponsive to treatment

Protocol summary

Summary

This single blind clinical trial will be performed on patients with Palmoplantar warts referred to Bou-Ali Sina Hospital of Sari in 2016. Patients are divided into two groups of intervention and control using random numbers. for the intervention group, intralesional injection of MMR vaccine made by Razi institute and for the control group intralesional injection of normal saline made by the same institute is performed. Dose of the drug in the control group is 0.3mL and in MMR group it is determined based on positive reaction diameter. Diameter reaction less than 20mm receives 0.3mL MMR, diameter of 20-40mm receives 0.2mL and diameter >40mm receives 0.1mL MMR vaccine. Injections are done with an interval of 2 weeks for up to 5 injections. During each session, photographs of lesions are taken and response to treatment is compared with the previous session.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016101027636N3**

Registration date: **2017-06-11, 1396/03/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-06-11, 1396/03/21

Registrant information

Name

Ghasem Rahmatpour Rokni

Name of organization / entity

Mazandaran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3322 1755

Email address

gh.rahmatpour@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research of Mazandaran University of Medical Sciences

Expected recruitment start date

2015-03-21, 1394/01/01

Expected recruitment end date

2017-03-19, 1395/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial of effect of intradermal injection of MMR vaccine in treatment of Palmoplantar warts in patients unresponsive to treatment

Public title

The therapeutic effect of intradermal injection of Measles, Mumps, and Rubella vaccine in treatment of palmoplantar warts in patients unresponsive to treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All patients with Palmoplantar warts
Exclusion criteria: Acute febrile disease; treatment of warts within last month; History of allergic reaction to MMR vaccine; asthma; history of allergic skin disease such as eczema and hives, meningitis, seizure, primary or iatrogenic immunodeficiency; pregnancy; lactation

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **60****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Mazandaran University of Medical Sciences

Street address

NO.2 Building of Mazandaran University of Medical Sciences, Moallem Square, Sari

City

Sari

Postal code**Approval date**

2016-10-16, 1395/07/25

Ethics committee reference number

IR.MAZUMS.REC.95.1482

Health conditions studied**1****Description of health condition studied**

Viral warts

ICD-10 code

B07

ICD-10 code description

Viral warts

Primary outcomes**1****Description**

Wart size

Timepoint

0-2-4-6-8-10 Weeks

Method of measurement

Wart observation

2**Description**

Number of warts

Timepoint

0-2-4-6-8-10 Weeks

Method of measurement

Observation

3**Description**

Size of other lesions

Timepoint

0-2-4-6-8-10 Weeks

Method of measurement

Observation

Secondary outcomes**1****Description**

Injection pain

Timepoint

0-2-4-6-8-10 weeks

Method of measurement

yes-no

2**Description**

Recurrency

Timepoint

0-1-2-3-4-5-6 months

Method of measurement

yes-no

Intervention groups**1****Description**

For the intervention group 0.1 mL intralesional MMR vaccine made by Razi institute will be injected

Category

Treatment - Drugs

2**Description**

For the control group 0.3 mL intralesional normal saline will be injected.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Dermatology clinic of Bualisina hospital of Sari

Full name of responsible person

Ghasem Rahmatpour Rokni

Street address

City

Sari

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research of Mazandaran

University of Medical Sciences

Full name of responsible person

Dr Ahmad Ali Enayati

Street address

NO.2 Building of Mazandaran University of Medical

Sciences, Moallem Square

City

Sari

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 Mazandaran 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

Mazandaran University of Medical Sciences

Full name of responsible person

Ghasem Ramatpour Rokni, MD

Position

Dermatologist

Other areas of specialty/work

Street address

Bouali Sina Hospital, Pasdaran Boulevard, Sari

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+98 11 3304 4804

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Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mazandaran University of Medical Sciences

Full name of responsible person

Ghasem Rahmatpour Rokni, MD

Position

Assistant Professor of Dermatology

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Mazandaran University of Medical Sciences

Full name of responsible person

Ozra Asghari Marzidareh

Position

General physician

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