

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jun 2026

Comparison the efficacy of 5% potassium hydroxide solution versus carbon dioxide laser in the treatment of women genital warts

Protocol summary

Summary

Seventy female patients with genital warts aged between 15-50 years will included in the study. Exclusion criteria will be topical antiviral drugs in the past two weeks; concurrent sexually transmitted diseases; pregnancy;lactation. Right sided lesions of the patients would be treated by carbon dioxide laser every 3 weeks for 9 weeks. The left sided lesions of the same patients would be treated with 5% KOH solution twice daily for 9 weeks. At each visit clinical data about the therapy and recovery of the patients and side effects will be recorded. Then the patients will be followed up for 6 months.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201412207848N1**
Registration date: **2015-01-18, 1393/10/28**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-01-18, 1393/10/28

Registrant information

Name

Ensie Hemmati

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3647 3554

Email address

pazyar.n@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-02-01, 1392/11/12

Expected recruitment end date

2014-08-01, 1393/05/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the efficacy of 5% potassium hydroxide solution versus carbon dioxide laser in the treatment of women genital warts

Public title

Comparison the efficacy of 5% potassium hydroxide solution versus carbon dioxide laser in the treatment of women genital warts

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: the patients aged 15-55 years old with multiple genital warts Exclusion criteria: topical antiviral drugs in the past two weeks; concurrent sexually transmitted diseases; pregnancy;lactation

Age

From **15 years** old to **55 years** old

Gender

Female

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Not 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

Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Vice Chancellor

City

Shiraz

Postal code

۷۱۳۴۸۱۴۳۳۶

Approval date

2014-07-02, 1393/04/11

Ethics committee reference number

92-01-01-6325

Health conditions studied

1

Description of health condition studied

Genital wart

ICD-10 code

A63.0

ICD-10 code description

Anogenital (venereal) warts

Primary outcomes

1

Description

Size of genital warts

Timepoint

Before intervention. Every three week from starting of intervention to disappearance of all warts. Six months after the end of intervention.

Method of measurement

observational, Ruler

Secondary outcomes

1

Description

Side effects(burning, pain,erythema, ulceration)

Timepoint

Before intervention. Every three week from starting of intervention to disappearance of all warts. Six months after the end of intervention

Method of measurement

observation

Intervention groups

1

Description

Intervention: Topical solution of 5% Potassium hydroxide twice daily for 9 weeks

Category

Treatment - Drugs

2

Description

Control: Carbon dioxide laser every 3 weeks for 9 weeks

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Motahari Clinic

Full name of responsible person

Street address

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences, Vice Chancellor

Full name of responsible person

Dr Gholam Reza Hatam

Street address

Shiraz University of Medical Sciences, Vice Chancellor

City

Shiraz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shiraz University of Medical Sciences, Vice Chancellor

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

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Person responsible for general inquiries

Contact

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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