

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

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

Shiraz University of Medical Sciences

**Full name of responsible person**

Ensie Hemmati

**Position**

Resident of Gynecology

**Other areas of specialty/work****Street address**Gynecology Department, Shahid Faghihi Hospital,  
Shiraz, Iran**City**

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**Position**

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**Other areas of specialty/work****Street address**Gynecology Department, Shahid Faghihi Hospital,  
Shiraz, Iran**City****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*