

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison the efficacy of Myrtus Communis L. and Descurainia Sophia L. as a method of traditional medicine versus salicylic acid in the treatment of wart

Protocol summary

Summary

The main purpose of this study is comparison of Myrtus Communis L. and Descurainia Sophia L. versus salicylic acid in the treatment of wart. This study is a quantitative randomized clinical trial with control groups. Patients are divided into 4 groups by table of randomized digits. Group1: salicylic acid 16.5 %, Group 2: salicylic acid 16.5 % & Descurainia Sophia L., Group 3: Myrtus Communis L. & Group 4: Myrtus Communis L. & Descurainia Sophia L. Inclusion criteria: 1) Patients between 6 and 45 years old 2) Patients who live in Yazd 3) Total number of warts ≤ 20 and diameter ≤ 1 cm. Exclusion criteria: 1) Patients who are less than 6 years old and more than 45 years old 2) Pregnancy 3) Diabetes Mellitus (DM), nephropathy, cardiovascular diseases 4) Patients who use insulin or sulfonylureas drugs 5) Total number of warts > 20 6) Warts on face 7) Anogenital warts 8) Wound or active dermatologic diseases on warts 9) Receiving any treatment during prior month 10) Patients disaffiliation. Target sample size is 100 who divided into 4 groups. 1) Salicylic acid 16.5% 2) Salicylic acid 16.5% and Descurainia Sophia L. 3) Salve of Myrtus Communis L. 4) Salve of Myrtus Communis L. and Descurainia Sophia L. The duration of the study is estimated to be about 12 months. Predicted primary outcomes: 1. Decrease the number of warts by observation 2. Decrease the size of warts in millimeter by ruler 3. Decrease the period of time that warts recovered after beginning of treatment 4. Decrease the relapse rate by observation

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012092710947N1**
Registration date: **2012-12-17, 1391/09/27**

Registration timing: **na**

Last update:

Update count: **0**

Registration date

2012-12-17, 1391/09/27

Registrant information

Name

Elham Ghadami Yazdi

Name of organization / entity

School of Traditional Medicine, Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Not enough for processing

Funding source

Vice-Chancellor for Research (Tehran University of Medical Sciences)

Expected recruitment start date

2013-06-22, 1392/04/01

Expected recruitment end date

2013-04-21, 1392/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the efficacy of Myrtus Communis L. and

Descurainia Sophia L. as a method of traditional medicine versus salicylic acid in the treatment of wart

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Public title

Comparison of Myrtus Communis L. and Descurainia Sophia L. versus salicylic acid in the treatment of wart

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 1) Patients between 6 to 45 years old
2) Patients who live in Yazd 3) Total number of wart ≤ 20 and their largest diameter ≤ 1 cm. Exclusion criteria: 1) Patients less than 6 years old and more than 45 years old 2) Pregnancy 3) DM, nephropathy, cardiovascular diseases 4) Patients who use insulin or Sulfonylureas drugs 5) Total number of wart > 20 6) Warts on face 7) anogenital warts 8) Wound or active dermatologic diseases on warts 9) Receiving any treatment during prior month 10) Patients disaffiliation.

Age

From **6 years** old to **45 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Factorial

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Research Institute for Islamic and Complementary Medicine (Tehran University of

Street address

No.9, Pirnia Dd.End, north Lalezar street, Jomhuri eslami Ave, Tehran, Iran

City

Tehran

Postal code

Approval date

2012-10-09, 1391/07/18

Ethics committee reference number

Health conditions studied

1

Description of health condition studied

Wart

ICD-10 code

B07

ICD-10 code description

Viral warts

Primary outcomes

1

Description

The number of warts

Timepoint

Days 0, 20, 40 and 3 months after beginning of treatment

Method of measurement

Observation

2

Description

The size of warts

Timepoint

Days 0, 20, 40 and 3 months after beginning of treatment

Method of measurement

In millimeter by ruler

3

Description

The period of time that warts recovered after beginning of treatment

Timepoint

Days 0, 20, 40 and 3 months after beginning of treatment

Method of measurement

Day

4

Description

The relapse rate

Timepoint

Days 0, 20, 40 and 3 months after beginning of treatment

Method of measurement

Observation

Secondary outcomes

empty

Intervention groups

1

Description

1) 1 drop of 16.5 % salicylic acid on each wart, once daily for 40 days. The base of salicylic acid is flexible collodion 4%. Primary substances are obtained from Sepidaj Pharmaceutical co. Tehran.

Category

Treatment - Drugs

2

Description

2) 1 drop of 16.5 % salicylic acid on each wart, once daily for 40 days and Descurainia Sophia L. twice a day 4.5 grams (gr) with adequate boiling water till 3 months.

Category

Treatment - Drugs

3

Description

Salving leaves of Myrtus Communis L. that is processed by 1 x leaves of Myrtus Communis L. and 2 x water on each wart ,twice a day for 40 days

Category

Treatment - Drugs

4

Description

Salving leaves of Myrtus Communis L. that is processed by 1 x leaves of Myrtus Communis L. and 2 x water on each wart ,twice a day for 40 days and Descurainia Sophia L. twice a day 4.5 gr with adequate boiling water till 3 months

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Farokhi Hospital

Full name of responsible person

Dr. Mohamad Ebrahim Zade Ardakani, Dermatologist,
Professor assistant

Street address

Farrokhi Hospital, Farrokhi Ave., Yazd

City

Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-Chancellor for Research (Tehran University of
Medical Sciences)

Full name of responsible person

Akbar Fotuhi

Street address

Qods Street, Keshavarz Ave.,Tehran, Iran.

City

Tehran

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 (Tehran 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

School of Traditional Medicine, Tehran University of
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Full name of responsible person

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Position

MD, PHD

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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

Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

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