Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

The comparision effect of Anethum graveolens L. (dill) products on traditional medicine base with clotrimazole cream 1% on vaginal candidiasis.

Protocol summary

Summary

objective: comparing the effect of Anethum graveolens L. (Dill) vaginal cream with clotrimazole vaginal cream 1%(standard treatment) on vaginal candidiasis. Study Design: clinical trial; randomized (Blocked randomization); double-blind (creams with the same colour and tubes); single center. Study population: married women; Age group: between 18 to 65 years old; sample size: 105 patients. The main inclusion criteria: sign and symptoms of vulvovaginal candidiasis; with positive sniff test; and without complicated vaginal candidiasis on diagnosis of gynecologist. The main exclusion criteria: side effects or drug reaction. intervention: after vaginal candidiasis confirmation by sniff test, patient divided into 3 groups: 1)Essential oil of Anethum graveolens L. (Dill) vaginal cream (2%) and 2)standard treatment(clotrimazole vaginal cream (1%)) and 3) total extract of dill vaginal cream, and each patient use 1 applicator of vaginal cream a night. intervention time: 1 week. Physical examination, self report and vaginal smear measured before and 3 days after the end of interventions, will be compared in groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016071929004N1**
Registration date: **2016-10-12, 1395/07/21**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-10-12, 1395/07/21

Registrant information

Name

Zohreh Sarhadinejhad

Name of organization / entity

Kerman University of Medical sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kerman University of Medical Sciences.

Expected recruitment start date

2016-07-14, 1395/04/24

Expected recruitment end date

2017-03-14, 1395/12/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparision effect of Anethum graveolens L. (dill) products on traditional medicine base with clotrimazole cream 1% on vaginal candidiasis.

Public title

The effect of dill vaginal cream on treatment of candida vaginitis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: sign and symptoms of vulvovaginal candidiasis; married women; between 18 to 65 years old; with positive sniff test; without pregnancy, without breast feeding, without chronic disease such as (kidney ,liver, cardiac disease and diabetes), no existance of immunodeficiency nor complicated vaginal candidiasis on diagnosis of gynecologist and not using of systemic antibiotics and immunosuppressive drugs, or any vaginal drugs during the study and not using of systemic anti fungal drugs since 4 weeks ago. Exclusion criteria: side effects or drug reaction; pregnancy; menstruate; lack of patient's association.

Age
From **18 years** old to **65 years** old

Gender
Female

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **105**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Randomised(Blocked randomization), case control,double blind , study in single field and control with standard treatment.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethical Committee of Kerman University Of Medical Sciences

Street address
Kerman University Of Medical Sciences Paradise, Haftbagh freeway.

City
kerman

Postal code

Approval date
2016-07-13, 1395/04/23

Ethics committee reference number
IR.KMU.AH.REC.1395.15

Health conditions studied

1

Description of health condition studied
vulvovaginal Candidiasis

ICD-10 code
B37.3

ICD-10 code description
Candidiasis of vulva and vagina

Primary outcomes

1

Description
burning

Timepoint
at the beginning and 10 days after intervention

Method of measurement
Evaluation of clinical symptom's remission(burning) with VSQ (vulvovaginal symptom questionnaire)

2

Description
itching

Timepoint
at the beginning and 10 days after intervention

Method of measurement
Evauation of clinical symptom's remission (itching) with VSQ (vulvovaginal symptom questionnaire)

3

Description
vaginal discharge

Timepoint
at the beginning and 10 days after intervention

Method of measurement
Evaluation of clinical symptom's remission (vaginal discharge) with VSQ (vulvovaginal symptom questionnaire)

4

Description
Erithema

Timepoint
at the beginning and 10 days after intervention

Method of measurement
physical exam

5

Description
Edema

Timepoint
at the beginning and 10 days after intervention

Method of measurement
physical exam

Secondary outcomes

1

Description
sniff test outcome
Timepoint
at the beginning and 10 days after intervention
Method of measurement
vaginal smear

Intervention groups

1

Description
using one applicator of Essential oil of Anethum graveolens L. (Dill) vaginal cream (2%) every night for 7 nights.
Category
Treatment - Drugs

2

Description
using one applicator of Clotrimazole vaginal cream 1% every night for 7 nights .
Category
Treatment - Drugs

3

Description
using one applicator of total extract of dill vaginal cream (2%) every night for 7 nights .
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Gynecology Clinic, Afzalipoor Hospital.
Full name of responsible person
Dr Zohreh Salari
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Afzalipoor Hospital, Emam freeway
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Kerman University Of Medical Sciences
Full name of responsible person
Kerman University Of Medical Sciences
Street address
Haftbagh freeway, Kerman University of Medical Sciences Paradise.
City
Kerman
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, Kerman 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
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Person responsible for scientific inquiries

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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