Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

The comparison effect of Curcumin (The active ingredient of Turmeric) and Clotrimazole vaginal cream in treatment vulvovaginal candidiasis.

Protocol summary

Summary

The aim of the present clinical trial study is comparison effect of Curcumin (The active ingredient of Turmeric) and Clotrimazole vaginal cream in treatment vulvovaginal candidiasis . This study will be done as a single blind randomized controlled clinical trial among 94 married women 18-45 years old. Blinding for patients will be carried out. Inclution criteria : presence of the signs and symptoms of vulvovaginal candidiasis in medical history and positive laboratory tests (smear and culture from vaginal discharge); only sexual partner; Not being pregnancy or lactation; Women that don't use oral contraceptive pills; Not having chronic disease (diabetes, deficiency of immune system, recurrence of vulvovaginal candidiasis ,..); Not having any vaginal bleeding؛ not having Trichomoniasis and bacterial vaginosis. 94 married women eligible for the study of vaginal discharge, itching, and burning, Complain and positive fungal culture, by random sampling method will be divided into 2 groups: 1) curcumin vaginal cream 10% , 2) clotrimazole vaginal cream 1% . The patients will use the drugs for 7 nights in one applicator (5 gram). The patient will back in 4-7 days after treatment for reexamination and evaluation of the clinical signs and symptoms and sampling.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016111330874N1**
Registration date: **2016-12-27, 1395/10/07**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-12-27, 1395/10/07

Registrant information

Name
Nilufar Abuali
Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Ahvaz JundiShapur University of Medical Sciences

Expected recruitment start date

2016-12-20, 1395/09/30

Expected recruitment end date

2017-06-20, 1396/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison effect of Curcumin (The active ingredient of Turmeric) and Clotrimazole vaginal cream in treatment vulvovaginal candidiasis.

Public title

The effect of Curcumin vaginal cream in treatment vulvovaginal candidiasis.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Being married؛ only sexual partner؛ Age between 18 -45؛ Body Mass Index< 30؛ signs and

symptoms of vulvovaginal candidiasis, positive Gram staining smear and culture from vaginal discharge. Exclusion criteria: being pregnancy, lactation and menopausal period; having any vaginal bleeding; recurrent vulvovaginal candidiasis (4 or more vulvovaginal candidiasis in a year); consumption of immunosuppressive drug; women who had used antibiotic for 2 weeks before the study; history of epilepsy, diabetes, heart disease, high blood pressure, thyroid diseases؛ women who had used other vaginal creams or suppositories for 1 week before the study; women who had used systemic antifungal drugs for 4 weeks before the study; existence of other vaginal infections; consumption of oral contraceptive.

Age
From **18 years** old to **45 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **94**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethical Committee of Ahvaz Jundishapur University of Medical Sciences.

Street address
Ground Floor, Department of Research and Information Technology Jundishapur University of Medical Sciences, City University, Ahvaz

City
Ahvaz

Postal code
6135715794

Approval date
2016-12-07, 1395/09/17

Ethics committee reference number
AJUMS.REC.1395.511

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
vaginal discharge

Timepoint
Baseline, 4-7 days after treatment

Method of measurement
Clinical Examination, observation, and medical history

2

Description
itching

Timepoint
Baseline, 4-7 days after treatment

Method of measurement
history

3

Description
vulva and vaginal Erythma

Timepoint
Baseline, 4-7 days after treatment

Method of measurement
Clinical Examination

4

Description
vulva and vaginal burning

Timepoint
Baseline, 4-7 days after treatment

Method of measurement
history

5

Description
vaginal discharge culture results

Timepoint
Baseline, 4-7 days after treatment

Method of measurement
vaginal discharge culture

6

Description
Compelet remission

Timepoint

4-7 days after treatment

Method of measurement

Evauation of clinical symptom's remission and negetive result of vaginal discharge culture

Secondary outcomes

1

Description

side effects

Timepoint

4-7 days after treatment

Method of measurement

question of patient

Intervention groups

1

Description

curcumin vaginal cream10% , one applicator per day for 1 week.

Category

Treatment - Drugs

2

Description

Clotrimazole vaginal cream1%, one applicator per day for 1 week

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

East's number one health center in Ahvaz

Full name of responsible person

Nilufar Abouali

Street address

7 tir park opposite, Ayatollah Behbahani superhighway

City

Ahvaz

2

Recruitment center

Name of recruitment center

Gynecology clinic of Imam Khomeyni Hospital

Full name of responsible person

Nilufar Abouali

Street address

Imam Khomeyni Hospital,Azadegan Sq., Ahvaz.

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research Ahvaz JundiShapur University of Medical Sciences

Full name of responsible person

Dr. Behzad Sharif Makhmal Zadeh

Street address

Vice chancellor for research, Opposite the central building, Ahvaz Jundishapur University of Medical Sciences, Golestan Blvd

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Ahvaz

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 Ahvaz JundiShapur 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

Jondishapour University of Medical Sciences

Full name of responsible person

Dr.Zahra Abbaspoor

Position

Ph.D in Reproductive Health

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