

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluating the effect of lavender and clotrimazole in the treatment of vaginal candidiasis (A double blind randomized controlled trial)

Protocol summary

Summary

This clinical trial will be done following the researcher's previous study on the topic "the invitro evaluation lavender and clotrimazole on Candida albicans". The inclusion criteria: 15 to 49 years old married women. Exclusion criteria: women that had history of using antibiotic, oral contraceptive pills, any antifungal drugs, for 4 weeks before the study, latescent or pregnant women ,using immunosuppressive drugs, have cervicitis sign and cervix ectropion, Trichomoniasis and bacterial vaginosis, overweight (Body Mass Index>29) and have diabetes. The patients will be examined for candidiasis and rolling out of bacterial vaginosis and the researcher will take vaginal discharge samples from lateral and posterior walls of vagina by cotton soaps and will send them to the laboratory for definite detecting of Candida albicans fungus. The patients will be divided into two groups of intervention (lavender vaginal cream 2%) and control (clotrimazole vaginal cream1%) randomly. The patients will use the drugs for 7 nights in one applicator (5 grams). The patient whose fungi culture was negative in the first sampling or had trichomoniasis will be eliminated in this study. The candida positive patient will be back in 4-7 days after treatment for reexamination and evaluation of the clinical signs and sampling and the next 40 days for the recurrence evaluation and sampling.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902103004N3**

Registration date: **2010-05-29, 1389/03/08**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2010-05-29, 1389/03/08

Registrant information

Name

Fereshteh Behmanesh

Name of organization / entity

Babol university of medical sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Babol university of medical sciences

Expected recruitment start date

2010-07-23, 1389/05/01

Expected recruitment end date

2010-12-22, 1389/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluating the effect of lavender and clotrimazole in the treatment of vaginal candidiasis (A double blind randomized controlled trial)

Public title

The effect of lavender and clotrimazole in the treatment of vaginal candidiasis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 15 to 49 years old married women.

Exclusion criteria: women that had history of using antibiotic, oral contraceptive pills, any antifungal drugs, for 4 weeks before the study, latescent or pregnant women ,using immunosuppressive drugs, have cervicitis sign and cervix ectropion, Trichomoniasis and bacterial vaginosis, overweight (Body Mass Index>29) and have diabetes

Age

From **15 years** old to **49 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Babol university of medical sciences

Street address

Babol university of medical sciences

City

Babol

Postal code

Approval date

2010-03-10, 1388/12/19

Ethics committee reference number

5796

Health conditions studied

1

Description of health condition studied

candidiasis

ICD-10 code

B37.3+

ICD-10 code description

Candidiasis of vulva and vagina

Primary outcomes

1

Description

Improvement of candidiasis signs

Timepoint

4-7 next days

Method of measurement

Examination & laboratory test & questionnaire

Secondary outcomes

1

Description

Recurrence of disease improvment

Timepoint

40 next days

Method of measurement

Examination & laboratory test & questionnaire

Intervention groups

1

Description

Intervention group: using one applicator of lavender vaginal cream 2% every night for 7 nights

Category

Treatment - Drugs

2

Description

Control group: using one applicator of clotrimazole vaginal cream 1% every night for 7 nights

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Health centers of Babol university of medical sciences

Full name of responsible person

Dr Mahtab Zeinalzadeh

Street address

Babol university of medical sciences

City

Babol

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Babol university of medical sciences

Full name of responsible person

Amrola Mostafazadeh

Street addressBabol university of medical sciences chancellor
statics and information tecnology**City**

Babol

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Babol 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**

Babol university of medical sciences

Full name of responsible person

Fereshteh Behmanesh

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Postal code**Phone****Fax****Email****Web page address****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*