

Randomised clinical trial comparing the efficacy between metronidazole and Shinus terebinthifolius Raddi (called aroeira) in vaginal use for the treatment of bacterial vaginosis

Submission date
18/06/2007

Recruitment status
No longer recruiting

☐ Prospectively registered

☐ Protocol

Registration date
06/07/2007

Overall study status
Completed

☐ Statistical analysis plan

☒ Results

Last Edited
01/09/2021

Condition category
Infections and Infestations

☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Prof Ricardo Ximenes

Contact details

Universidade Federal de Pernambuco
Departamento de Medicina Tropical
Recife
Brazil
50670-421

Additional identifiers

Protocol serial number

N/A

Study information

Scientific Title

Randomised clinical trial comparing the efficacy between metronidazole and *Shinus terebinthifolius* Raddi (called aroeira) in vaginal use for the treatment of bacterial vaginosis

Study objectives

Bacterial vaginosis is a polymicrobial clinical syndrome where the *Lactobacillus* are replaced by anaerobic bacteria, *Gardnerella vaginalis* and *Mycoplasma hominis*.

The study hypothesis is that metronidazole and aroeira have similar efficacy in the treatment of bacterial vaginosis, but aroeira has less impact in the vaginal flora, because it is a natural substance, extracted from a tree caulis.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethical Committee in Research of the Instituto Materno Infantil (c/o Prof Fernando Figueira) approved in March 2007.

Study design

Randomised double-blind controlled trial.

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Bacterial vaginosis

Interventions

The participants will be randomised into two groups of 150 women:

Control group: Metronidazole gel 0.75%, intravaginally, once a day for seven days.

Intervention group: *Schinus terebinthifolius* Raddi (aroeira) gel 3,996 ml/6 g, intravaginally, once a day for seven days.

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Metronidazole, *Shinus terebinthifolius* Raddi (called aroeira)

Primary outcome(s)

To compare the frequency of the clinical (Amsel Criteria) and bacteriological (Nugent criteria) cure assessed at baseline and after their next menses (approximately one month after therapy) between the two groups.

Key secondary outcome(s)

1. To compare the frequencies of the adverse effects of the two drugs
2. To compare the frequencies of the effects in the vaginal flora, observing the presence of lactobacillus in Papanicolaou smears at baseline and after their next menses (approximately one month after therapy)
3. To compare the frequencies of the effects of the two treatments by the presence of bacterias and fungi in vaginal cultures at baseline and after their next menses (approximately one month after therapy)

Completion date

20/06/2008

Eligibility**Key inclusion criteria**

1. Women aged between 18 and 40 years
2. Women with vaginal discharge caused by bacterial vaginosis, diagnosed using the Amsel (clinical) and Nugent (Gram stain) criteria

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

Female

Total final enrolment

277

Key exclusion criteria

1. Pregnant women
2. Women using antibiotics for other infections in the last 30 days
3. Women using any other vaginal treatment in the last 30 days
4. Women who have never had sexual intercourse
5. Women with other vaginal infections such as candidiasis or trichomoniasis
6. Women with a suggestive diagnosis of pelvic inflammatory disease

Date of first enrolment

20/06/2007

Date of final enrolment

20/06/2008

Locations

Countries of recruitment

Brazil

Study participating centre

Universidade Federal de Pernambuco

Recife

Brazil

50670-421

Sponsor information

Organisation

Institute for Maternal/Infant Health (IMIP) (Brazil)

ROR

<https://ror.org/01rtyyz33>

Funder(s)

Funder type

Industry

Funder Name

The vaginal treatments will be provided by Laboratório Hebron (www.hebron.com.br) (Brazil). The assessments will be carried out at the Instituto Materno Infantil (Brazil) - c/o Prof Fernando Figueira, where the study will take place.

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
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[Results article](#)

14/01/2011

01/09/2021

Yes

No