

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

A Comparison study of effectiveness of pentoxifyllin and LD in preventing recurrent endometriosis

Protocol summary

Summary

This study was aimed to compare effect of 3 different medications regimens (pentoxifyllin, pentoxifyllin+LD, LD) on prevention of recurrence of endometriosis pain. This is a clinical trial performed on 83 patients with the chief complaint of pain (dysmenorrheal /or pelvic pain) after definite diagnosis of endometriosis by laparoscopy. Patients entered the study after simple sampling, and were allocated into 3 groups, treated with pentoxifyllin, pentoxifyllin + LD and LD alone for 6 months. Pain severity was assessed pre and post intervention by Visual Analogue Scale. In addition, pain was compared between 3 groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201109087513N1**

Registration date: **2012-05-02, 1391/02/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-05-02, 1391/02/13

Registrant information

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Hatav Ghasemi Tehrani

Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences -Research council

Expected recruitment start date

2008-03-01, 1386/12/11

Expected recruitment end date

2009-12-22, 1388/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A Comparison study of effectiveness of pentoxifyllin and LD in preventing recurrent endometriosis

Public title

Effectiveness of pentoxifyllin on recurrence endometriosis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Diagnosed Laparoscopic endometriosis with the clinical symptoms Exclusion criteria:Refusing the patient of entry to the protocol; The presence of the specific drug side effects

Age

From **25 years** old to **28 years** old

Gender

Female

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **83**

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

Isfahan University of Medical Sciences

Street address

Hezar Jerib Street, Isfahan University of Medical Sciences

City

Isfahan

Postal code

8184851153

Approval date

2007-02-10, 1385/11/21

Ethics committee reference number

387228

Health conditions studied

1

Description of health condition studied

Endometriosis of uterus

ICD-10 code

N80

ICD-10 code description

Endometriosis of uterus

Primary outcomes

1

Description

Pain relief

Timepoint

6months

Method of measurement

Visual Analog Scale(VAS)

2

Description

endometriosis recurrence

Timepoint

after 6 months of follow up

Method of measurement

clinical assessment

Secondary outcomes

empty

Intervention groups

1

Description

We used the visual analog scale (VAS) method for detecting the severity of the possible pain existence before and after the treatment period (the recurrence).Each treatment duration was about 6months. Each protocol was described clearly for each patient and finally the three groups were constructed as below: Group one: 800 mgs of Pentoxifyllin in two divided doses (capsules of 400mgs) daily.

Category

Treatment - Drugs

2

Description

Group two: Pentoxifyllin capsules with the same dose plus OCP (LD) one tablet per night, from the third day of the menstrual cycle for 6 months.

Category

Treatment - Drugs

3

Description

Group three: OCP (LD) one tablet per night for 21days then 7days rest and repeat it for 6 months

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Beheshti Hospital

Full name of responsible person

Mojdeh Ghasemi

Street address

Felezi Bridge-Beheshti Hospital

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences-Research Council

Full name of responsible person

Dr. Peyman Adibi

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No.4, Research Building, Isfahan University of Medical Sciences, Hezar jerib St.

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Isfahan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Isfahan University of Medical Sciences-Research Council

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

Isfahan University of Medical Sciences

Full name of responsible person

Mojdeh Ghasemi

Position

Midwife, Head of Research Office

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