Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Jun 2026

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

Protocol summary

Summary

This study was aimed to compare effect of 3 different medications regimens (pentoxifylin, pentoxifylin+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 pentoxifylin, pentoxifylin + 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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Name of organization / entity
Isfahan University of Medical Sciences

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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 effectivness of pentoxifyllin and LD in preventing recurrent endometriosis

Public title
Eeffective of pentoxifyllin on recurrence endometriosis

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria: Diagnosed Laparascopic 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 reilief
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 constracted 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 for21days then 7days rest and repaet 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
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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

Street address

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

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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