

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jul 2026

Evaluation of low level laser therapy in management of chronic testis Pain

Protocol summary

Summary

The aim of this study was to determine the effect of low level laser therapy in management of chronic testis Pain. Inclusion criteria include having the consent to participate in the plan; patients aged 18 and over; at least 12 weeks of pain; being able to co-operate with the treatment group; Exclusion criteria including patients with dissatisfaction with participation in the plan; patients with illness Malignant; epididymitis; epididymal cyst; flanky pain; hydrocele; history of varicocele surgery; varicocele; neurological defects; abnormal laboratory findings; systemic or psychiatric illness; lack of response to traditional therapies. This study was a double-blind randomized clinical trial, placebo - Control in patients with chronic testicular pain in Imam Hossein , Shohada and Sajjad Hospital. 60 patients were randomly divided into three groups: 1) Low-Level laser group with a wavelength of 650 nm, 50 mw; 2) Infrared laser (IR) laser group with a wavelength of 820 nm, 100 MW 3) Laser group of placebo. Patients receive lasers three times a week for four weeks (12 sessions) every 15 minutes .It should be noted that treatment is done bilaterally. Treatment outcome is measured by the unpredictable physician at the end of the study six weeks after the treatment (after the last intervention) and 12 weeks after starting treatment (the last six weeks without intervention).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201710038146N24**
Registration date: **2017-10-12, 1396/07/20**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-12, 1396/07/20

Registrant information

Name

Mohammadreza Razaghi

Name of organization / entity

Laser application in medical sciences research center

Country

Iran (Islamic Republic of)

Phone

+98 21 2271 8021

Email address

laser.cntr@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2017-08-23, 1396/06/01

Expected recruitment end date

2018-04-21, 1397/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of low level laser therapy in management of chronic testis Pain

Public title

The effect of laser on testicular pain

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Having consent to participate in the plan; Patients aged 18 or over; At least 12 weeks have

passed from their pain; Ability to work with the treatment group;Excusion criteria: Patients with dissatisfaction with participation in the plan; Patients with malignant disease ; Epididymitis; epididymal cysts; flanky pain; hydrocele; history of varicocele surgery; varicocele; neurological defects; abnormal laboratory findings; systemic or psychiatric illness; lack of response to traditional therapies;

Age

From **18 years** old

Gender

Male

Phase

N/A

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

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Organizational committee of ethics in biomedical research Shahid Beheshti University of Medical Scie

Street address

7th Floor, Bldg No.2 SBUMS, Arabi Ave, Daneshjoo Blvd, Velenjak

City

Tehran

Postal code

Approval date

2017-08-27, 1396/06/05

Ethics committee reference number

IR.SBMU.RETECH.REC.1396.321

Health conditions studied

1

Description of health condition studied

chronic testicular pain

ICD-10 code

N50

ICD-10 code description

Other disorders of male genital organs

Primary outcomes

1

Description

The amount of testicular pain

Timepoint

Before treatment,6 week and 12 week after the end of treatment

Method of measurement

scoring VAS mark

Secondary outcomes

empty

Intervention groups

1

Description

Control group: A placebo laser is irradiated with a passive probe. Three times a week for 4 weeks (12 sessions), irritate about 15 minutes.

Category

Placebo

2

Description

Intervention group 1: Low-Level laser group with a wavelength of 650 nm, 50 mW, patients receiving lasers for 15 minutes each week for four weeks (12 sessions)

Category

Treatment - Other

3

Description

Intervention group 2: Laser infrared laserwith a wavelength of 820 nm, 100 mW, three times a week for 4 weeks (12 sessions) every 15 min lasers.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Laser Application Research Center in Medical Sciences

Full name of responsible person

Dr.sirus Momenzadeh

Street address

Shohadaye Tajrish Hospital

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Laser Application Research Center in Medical Sciences- Shahid Beheshti University of Medical Science

Full name of responsible person

Dr Mohammad Reza Razaghi

Street address

Shohadaye Tajrish Hospital

City

Tehran

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

Yes

Title of funding source

Laser Application Research Center in Medical Sciences- Shahid Beheshti University of Medical Science

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**

Laser Application Research Center in Medical Science

Full name of responsible person

Dr.Sirus Momenzadeh

Position

Anesthesiologist

Other areas of specialty/work**Street address**

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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