Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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
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Iran (Islamic Republic of)
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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
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Person responsible for scientific inquiries

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Person responsible for updating data

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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