

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jul 2026

The effect of low level laser therapy in improving patients with maxillofacial disorders

Protocol summary

Summary

Maxillofacial disorders are leading to pain and functional limitations in head and face . The purpose of this paper is to investigate the effect of low level laser therapy in the treatment of maxillofacial disorders. This is a single-blind trial of 142 patients with maxillofacial disorders that can be done in 2 groups of 71 subjects were randomized to the control and experimental groups. patients with adverse conditions are excluded from the study. Background information obtained through the questionnaire , and the amount of pain on the visual pain scale. Experimental and control groups treated for 12 sessions (3 times a week for 15 minutes each time) under irradiation with a mean score of 2.5 and zero joules per square centimeter and applying infrared radiation Will be evaluated pain variable .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014120919135N2**

Registration date: **2015-01-03, 1393/10/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-01-03, 1393/10/13

Registrant information

Name

Ali Ghanjal

Name of organization / entity

Baqiyatallah University

Country

Iran (Islamic Republic of)

Phone

+98 88057022

Email address

ghanjal@bmsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Baghiyatallah University

Expected recruitment start date

2010-11-05, 1389/08/14

Expected recruitment end date

2014-11-05, 1393/08/14

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of low level laser therapy in improving patients with maxillofacial disorders

Public title

The Effect of low power laser in maxillofacial disorders.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : a maxillofacial disorders. Exclusion criteria :The adverse conditions; certain other medical procedures.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **142**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Bghiyatallah University
Street address
Shaykh Bahaee Street
City
Tehran
Postal code
Approval date
2010-10-10, 1389/07/18
Ethics committee reference number
1189

Health conditions studied

1

Description of health condition studied
Maxillofacial disorders
ICD-10 code
K07.5
ICD-10 code description
K07.6 Temporomandibular joint disorders . K07.8 Other dentofacial anomalies. K08 Other disorders of teeth and supporting structures . K07.9 Dentofacial anomaly, unspecified

Primary outcomes

1

Description
Pain
Timepoint
Before and after of research
Method of measurement
Visual Analog Scale.

Secondary outcomes

empty

Intervention groups

1

Description
Experimental group will be for 12 sessions (3 times a week for 15 minutes each time) under irradiation with a mean score of 2.5 and zero joules per square centimeter and applying infrared radiation .

Category
Rehabilitation

2

Description
The method for the control group will be similar to the experimental group (The device is switched on , and the zero output) .
Category
Rehabilitation

Recruitment centers

1

Recruitment center
Name of recruitment center
Baghiyatallah University
Full name of responsible person
Ali Ghanjal
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Baghiyatallah University
Full name of responsible person
Ali Ghanjal
Street address
Shaykh Bahaee Street
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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
Baghiyatallah University
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

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Person responsible for general inquiries

Contact

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Person responsible for updating data

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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