

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

The Effect of Low Level Laser on Wound Healing after Gingivectomy Operation

Protocol summary

Summary

Objective:: The Effect of Low Level Laser on Wound Healing after Gingivectomy Operation. Inclusion criteria: Patients who do Gingivectomy, Patients who have inflammation of the gums is not caused by periodontal disease. Exclusion criteria: patients that received broadcast systemic antibiotics during 6 month ago, patients that received periodontal treatment during one year ago. population: 22 samples obtained from 12 patients who had Gingivectomy. sample size: 22 intervention studied: treatment with diode laser, interventional time: Immediately after surgery, 3 days, 5 days, 7 days, 15 days after surgery. Primary outcome: Wound Healing

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016073117143N2**

Registration date: **2016-08-09, 1395/05/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-08-09, 1395/05/19

Registrant information

Name

Ehsan Rafiei

Name of organization / entity

Islamic Azad Dental School Khorasgan Branch, (Isfahan), Iran

Country

Iran (Islamic Republic of)

Phone

+98 31 1535 4066

Email address

e.rafiee@khuisf.ac.ir

Recruitment status

Recruitment complete

Funding source

Islamic Azad University of Isfahan (Khorasgan), Dental School

Expected recruitment start date

2015-08-23, 1394/06/01

Expected recruitment end date

2015-12-21, 1394/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Low Level Laser on Wound Healing after Gingivectomy Operation

Public title

The Effect of Low Level Laser on Wound Healing after Gingivectomy Operation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: :Patients who do Gingivectomy, Patients who have inflammation of the gums caused by periodontal disease is not patient with particular systemic diseases; patients under treatment with special medication; smokers and patients consume alcohol; patients that received systemic antibiotics during 6 month ago

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 22

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Islamic Azad University of Isfahan (Khorasgan), Dental School

Street address

Islamic Azad University of Isfahan (Khorasgan), Jay Street

City

Isfahan

Postal code

Approval date

2015-10-07, 1394/07/15

Ethics committee reference number

ir.mui.rec.1394.4.107

Health conditions studied

1

Description of health condition studied

Wound healing gums

ICD-10 code

Z01.2

ICD-10 code description

Dental examination

Primary outcomes

1

Description

Wound healing

Timepoint

Immediately after surgery, 3 days, 7 days, 15 days

Method of measurement

Examination

Secondary outcomes

empty

Intervention groups

1

Description

Intervention: diode lase,660 nm, power density of 120m/w, 4j/cm, 5min

Category

Treatment - Other

2

Description

control:diode lase,660 nm, power density of 120m/w, 4j/cm, 5min

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Dept. of Periodontics, Islamic Azad Dental School Khorasgan Branch, Isfahan, Iran

Full name of responsible person

Ehsan Rafiei

Street address

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Islamic Azad University Isfahan (Khorasgan)

Full name of responsible person

Dr Vahid Esfahanian

Street address

Islamic Azad University of Isfahan (Khorasgan), Dental School

City

Isfahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for research of Islamic Azad University Isfahan (Khorasgan)

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

Name of organization / entity

Islamic Azad University of Isfahan (Khorasgan), Dental School

Full name of responsible person

Ehsan Rafei

Position

phd

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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