Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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 mount 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 diod 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.rafiei@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

Person responsible for general inquiries

Contact

Name of organization / entity

Islamic Azad University of Isfahan (Khorasgan), Dental School

Full name of responsible person

Ehsan Rafiei

Position

phd

Other areas of specialty/work

Street address

Islamic Azad University of Isfahan (Khorasgan), Jay Street

City

Isfahan

Postal code

Phone

+98 31 3535 4066

Fax

Email

e.rafiei@khuisf.ac.ir; dr_ehsan60@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Islamic Azad University of Isfahan (Khorasgan), Dental School

Full name of responsible person

Ehsan Rafiei

Position

phd

Other areas of specialty/work

Street address

Islamic Azad University of Isfahan (Khorasgan), Jay Street

City

Isfahan

Postal code

Phone

+98 31 3535 4066

Fax

Email

e.rafiei@khuisf.ac.ir; dr_ehsan60@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Islamic Azad University of Isfahan (Khorasgan), Dental School

Full name of responsible person

Ehsan Rafiei

Position

phd

Other areas of specialty/work

Street address

Islamic Azad University of Isfahan (Khorasgan), Jay Street

City

Isfahan

Postal code

Phone

+98 31 3535 4066

Fax

Email

e.rafiei@khuisf.ac.ir; dr.ehsan60@yahoo.com

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