Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Treatment of basal cell carcinoma with curettage co2 laser

Protocol summary

Summary

The objective of this nonrandomized, clinical trial study is to investigate the outcome of combination of curettage and CO2 laser therapy on basal cell carcinoma. In this study, 74 patients with 113 BCC lesions who pathologically documented basal cell carcinoma and met the inclusion criteria were recruited and subjected to treatment by CO2 laser. First, the apparent border of tumor was determined and later 3-5 mm of marginal skin of tumor was demarcated. In the later step, the tumoral lesion was debalcated by curettage. Finally, the induced defect and marginal skin were subjected to treatment with 2-3 passes of pulse mode co2 laser system with16-20watts power and 500-700 micro-second. For evaluation of treatment, photography was done before and after the treatment on the patients. The patients were followed-up for assessment of improvement and complications such as, repair of ulcer, scar formation and retraction at regular interval time.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105076403N1**
Registration date: **2011-08-29, 1390/06/07**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-08-29, 1390/06/07

Registrant information

Name
Hossein Kavoussi
Name of organization / entity
Kermanshah University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 83 1837 5424
Email address
hkawosi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kermanshah university of Medical sciences

Expected recruitment start date

2006-07-01, 1385/04/10

Expected recruitment end date

2010-12-17, 1389/09/26

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Treatment of basal cell carcinoma with curettage co2 laser

Public title

Efficacy of curettage and co2 laser in treatment of basal cell carcinoma

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Pathologically documented basal cell carcinoma Exclusion criteria: basal cell carcinoma with deep ulcer, recurrent basal cell carcinoma, metastasis, association with bleeding diathesis, underlying repair disorder

Age

From **20 years** old to **100 years** old

Gender

Both

Phase

N/A

Groups that have been masked
No information
Sample size
Target sample size: **113**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Kermanshah University of Medical Sciences
Street address
Shahid Beheshty Blvd
City
Kermanshah
Postal code
Approval date
2011-05-09, 1390/02/19
Ethics committee reference number
7/420/6330/پ

Health conditions studied

1

Description of health condition studied
basal cell carcinoma
ICD-10 code
C00-C75
ICD-10 code description
Malignant neoplasms

Primary outcomes

1

Description
Treatment
Timepoint
At the end of the first, second, fourth week and every 3 month thereafter.
Method of measurement
Clinical observation

Secondary outcomes

1

Description
Scar
Timepoint
At the end of the first, second, fourth week and every 3 month thereafter.
Method of measurement
clinical observation

Intervention groups

1

Description
Use of combination of curettage and 2-3 pass of co2 laser with 16-20 watt and 500-700 microsecond
Category
Treatment - Devices

Recruitment centers

1

Recruitment center
Name of recruitment center
Hajdaie clinic
Full name of responsible person
Street address
City
Kermanshah

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr Farid Najafi
Street address
Shahid Beheshti Blvd
City
Kermanshah
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kermanshah University of Medical Sciences
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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr Hossein Kavoussi

Position

Assistant professsor

Other areas of specialty/work

Street address

Hajdaie clinic, Golestan Blvd

City

Kermanshah

Postal code

Phone

+98 83 1837 5424

Fax

Email

hkawosi@kums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Hossein Kavoussi

Position

Dermatologist

Other areas of specialty/work

Street address

Hajdaie clinic, Golestan Blvd

City

Kermanshah

Postal code

Phone

+98 83 1837 5424

Fax

+98 83 1427 4623

Email

hkawosi@kums.ac.ir

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