

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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 debrided by curettage. Finally, the induced defect and marginal skin were subjected to treatment with 2-3 passes of pulse mode co2 laser system with 16-20 watts 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 Beheshti 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 professor

Other areas of specialty/work

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Position

Dermatologist

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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