Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

A comparison of wound healing between Arnebia euchroma ointment (a herbal drug) and Vaseline after laser resurfacing in bilateral face acne scar patients

Protocol summary

Summary

This is a single-center, clinical trial on both sides of the face (Face-splits). The aim of this study is to compare the efficacy of herbal drug named as Arnebia euchroma ointment (AEO) and Vaseline on wound healing from CO2 fractional laser resurfacing in bilateral face acne scar patients. In this study 40 men and women aged 20 to 65 years - with bilateral acne scar in face- are eligible for enrollment. Pregnant women; and patients received Isotretinoin or topical drugs simultaneously are excluded. After CO2 fractional laser resurfacing, subjects apply Vaseline and AEO 4 times daily (morning, midday, evening, and bedtime) to opposite sides of the face for one week. Clinical assessment of recovery (erythema, edema, crusts, and erosions) is assessed using 0 to 3 point Visual scoring systems. In addition,clinical photography was taken on days 2, 4 and 7.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201109067499N1**
Registration date: **2013-01-10, 1391/10/21**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-01-10, 1391/10/21

Registrant information

Name

Jale Aliaslmamghany

Name of organization / entity

Medical Facualty of Shahed University

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Medical faculty of Shahed University

Expected recruitment start date

2012-07-10, 1391/04/20

Expected recruitment end date

2012-12-10, 1391/09/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparison of wound healing between Arnebia euchroma ointment (a herbal drug) and Vaseline after laser resurfacing in bilateral face acne scar patients

Public title

Effect of Arnebia euchorma on post Fractional Laser wound healing

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Men and women aged 20 to 65 years with bilateral facial acne scar which treat by Laser fractional co2 and have burning after Laser. Exclusion criteria: Pregnant women; Isotretinoin user; use of topical drugs simultaneously

Age

From **20 years** old to **65 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Not 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

Ethics Committee of Shahed University

Street address

Tehran-Qom highway

City

Tehran

Postal code

3319118651

Approval date

2012-07-09, 1391/04/19

Ethics committee reference number

148489

Health conditions studied

1

Description of health condition studied

Burn

ICD-10 code

T20.2

ICD-10 code description

Burn of second degree of head and neck

Primary outcomes

1

Description

Wound healing

Timepoint

Post procedure and days 2 , 4 , 7

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe) and digital photographs are taken

Secondary outcomes

1

Description

Pruritus

Timepoint

Days 2 , 4

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe)

2

Description

Edema

Timepoint

Days 2 , 4

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe)

3

Description

Dryness

Timepoint

Days 2 , 4

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe)

4

Description

Acne

Timepoint

Days 2 , 4

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe)

5

Description

Erythema

Timepoint

Days 2 , 4

Method of measurement

Visual scoring systems (0=none, 1= mild, 2= moderate, 3= severe)

Intervention groups

1

Description

In intervention group, subjects apply Arnebia euchroma ointment 4 times daily and clinical assessment of recovery (erythema, edema, crusts, and erosions) are assessed using 0 to 3 point visual scoring systems and digital photographs are taken from two sides of the face on post procedure and days 2 , 4 and 7

Category

Treatment - Drugs

2

Description

In control group, subjects apply Vaselin 4 times daily and clinical assessment of recovery (erythema, edema, crusts, and erosions) are assessed using 0 to 3 point visual scoring systems and digital photographs are taken from two sides of the face on post procedure and days 2 , 4 and 7

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Laser Research center of Shohadae Tajrish Hospital

Full name of responsible person

Behroz Barikbin

Street address

Shahrdari St., Tajrish Square

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Shahed University

Full name of responsible person

Dr Heshmaty

Street address

No. 29, Abdollahzade St., Keshavarz Blvd

City

Tehran

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, Shahed 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

Person responsible for general inquiries

Contact

Name of organization / entity

Iranian Traditional Medicine Group of medical faculty of Shahed university

Full name of responsible person

Jale Aliaslmamghany

Position

Resident (phd) of Iranian Traditional Medicine

Other areas of specialty/work

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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