

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Evaluation of carboxytherapy in Striae alba and rubra treatment

Protocol summary

Study aim

Evaluation of carboxytherapy as a new treatment for Striae

Design

After considering inclusion criteria 15 individuals has been chosen. patients treatment was accomplished during 8 session with 1 week interval and before every session and also 3 months after last session a picture took from patient,s lesion with a camera which fixed in a specified distance ,same setting and same light .At the end of the study every patient,s picture evaluated according to the scores and by 2 blind dermatologist .also patient's satisfactory scales about the treatment has been considered

Settings and conduct

study population is patients who refer to Ghaem and Emam Reza hospital to treat their Striae Alba and Rubra in sima Teb clinic.

Participants/Inclusion and exclusion criteria

inclusion criteria: Individuals with Striae. Exclusion criteria: imaging dissatisfaction, Absence of reference in particular time in order to cure and follow up, Severe respiratory insufficiency and severe renal insufficiency, chronic renal fail, severe anemia, Acute inflammation or skin disease at injection site, inflamatory and infectious involvement of skin such as herpes Poor control diabet Mental weakness, epilepsy Pregnancy and lactation Patients treated with carbonic anhydrase inhibitors like acetazolamide

Intervention groups

15 patients referring for treatment of Striae with carboxytherapy

Main outcome variables

decrease in diameter and repigmentation of Striae Alba and rubra

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20140414017271N3**

Registration date: **2018-01-29, 1396/11/09**

Registration timing: **registered_while_recruiting**

Last update: **2018-01-29, 1396/11/09**

Update count: **0**

Registration date

2018-01-29, 1396/11/09

Registrant information

Name

Yalda Nahidi

Name of organization / entity

department of dermatology, Ebne Sina St, Emam Reza hospital

Country

Iran (Islamic Republic of)

Phone

+98 51 1802 2490

Email address

nahidiy@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-12-20, 1396/09/29

Expected recruitment end date

2018-04-20, 1397/01/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of carboxytherapy in Striae alba and rubra treatment

Public title

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Individuals with Striae

Exclusion criteria:

imaging dissatisfaction Absence of reference in particular time in order to cure and follow up Severe respiratory insufficiency and severe renal insufficiency, chronic renal fail,severe anemia Acute inflammation or skin disease at injection site, inflammatory and infectious involvement of skin such as herpes Poor control diabet Mental weakness,epilepsy Pregnancy and lactation Patients treated with carbonic anhydrase inhibitors like acetazolamide

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked*No information***Sample size**

Target sample size: 15

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**

Ethics committee of Mashhad University of Medical Sciences

Street address

Central Building of Mashhad University of Medical Sciences (Ghorshi), Daneshgah 16, Daneshgah street

City

Mashhad

Province

Razavi Khorasan

Postal code

9177899191

Approval date

2017-12-20, 1396/09/29

Ethics committee reference number**Health conditions studied****1****Description of health condition studied**

Striae

ICD-10 code

L90.6

ICD-10 code description

Striae atrophicae

Primary outcomes**1****Description**

diameter of Striae Alba and rubra

Timepoint

every week for 8 weeks and 3 months after treatment

Method of measurement

scoring by 2 dermatologist and patients pleasure according 0-10

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: patients with Striae under treatment with 10 session carboxytherapy every week

Category

Treatment - Devices

Recruitment centers**1****Recruitment center****Name of recruitment center**

Emam Reza and Ghaem hospital

Full name of responsible person

Yalda Nahidi

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Emam Reza Sq, Ebne-sina Ave, Emam Reza hospital

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Email

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Dr Mohsen Tafaghodi

Street address

Central Building of Mashhad University of Medical Sciences (Ghorshi), Daneshgah 16, Daneshgah street

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ramresearch@mums.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Mashhad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact**Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Yalda Nahidi

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

Dermatology

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Person responsible for scientific inquiries

Contact**Name of organization / entity**

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Full name of responsible person

Yalda Nahidi

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

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Person responsible for updating data

Contact**Name of organization / entity**

Mashhad University of Medical Sciences

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All data can be shared after patients are made unidentifiable

When the data will become available and for how**long**

Data can be accessible 6 months after results are published

To whom data/document is available

Data will be available for researchers in universities and other scientific institutes

Under which criteria data/document could be used

Carrying out analysis on data is permitted

From where data/document is obtainable

Data can be accessible through sending an email to the corresponding author.

What processes are involved for a request to access data/document

After sending a request email to the corresponding author, data will be sent in 1 month.

Comments