Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of carboxytherapy in Striae álba 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 inflamation or skin disease at injection site, inflamatory and infectious involvment of skin such as herpes Poor control diabet Mental weakness, epilepsy Pregnancy and lactation Pationts treated with carbonic anhydrase inhibitors like acetozolamide

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 álba and rubra treatment

Public title

Evaluation of carboxytherapy in Striae treatment

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 inflamation or skin disease at injection site, inflamatory and infectious involvment of skin such as herpes Poor control diabet Mental weakness,epilepsy Pregnancy and lactation Pationts treated with carbonic anhydrase inhibitors like acetozolamide

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

IR.MUMS.fm.REC.1396.360

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

Street address

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

City

Mashhad

Province

Razavi Khorasan

Postal code

9137913316

Phone

+98 51 3802 2040

Email

nahidiy@mums.ac.ir

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
City
Mashhad
Province
Razavi Khorasan
Postal code
345 - 91357
Phone
+98 51 3841 1538
Email
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
Street address
Emam Reza Sq, Ebne-sina Ave, Emam Reza hospital
City
Mashhad
Province
Razavi Khorasan
Postal code
9137913316
Phone
+98 51 3802 5732
Email
nahidiy@mums.ac.ir

Person responsible for scientific 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
Street address
Emam Reza Sq, Ebne-sina Ave, Emam Reza hospital
City
Mashhad
Province
Razavi Khorasan
Postal code
9137913316
Phone
+98 51 3802 5732
Email
nahidiy@mums.ac.ir

Person responsible for updating data

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
Street address
Emam Reza Sq, Ebne-sina Ave, Emam Reza hospital
City
Mashhad
Province
Razavi Khorasan
Postal code
9137913316
Phone
+98 51 3802 5732
Email
nahidiy@mums.ac.ir

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