Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

Evaluation the Effect of Tranexamic Acid by Mesotherapy on Persistant Post Acne Erythematous

Protocol summary

Study aim
Determining the Effectiveness of Tranxamic Acid ampules as Mesotherapy in improving Persistent Erythema caused by Inflammatory Acne

Design
A clinical trial with a control group is performed on 30 patients

Settings and conduct
One side of each patient's face is considered for control and the other side of the patient's face is considered as a observe and the two sides of the patient's face are compared during the treatment period and one month after the completion of treatment. On the right side of each patient's face, Transaxamic Acid is injected Intradermally into the intradermal area at a distance of one centimeter in the amount of 0.1 cc as Mesotherapy (Tranexamic Acid ampoules are used by injection in cc syringes). Be On the left side of the same patient's face, No medicine is injected and is considered as a control. The second and then one month after the last visit are photographed and compared with the help of Delta scale in a quantitative and qualitative way. And then compared.

Participants/Inclusion and exclusion criteria
Patients with persistent post acne erythema on the face. Inclusion criteria were individuals with persistent post acne erythema (3 months after acne recovery) and no age limit. Exclusion criteria include a history of critical disorders such as DIC, Pulmonary Embolism, Stroke, and DVT, as well as cancers and Drug Allergies in previous use, Pregnancy, and Lactation, or deciding to become pregnant and using medications with Tranxamic Acid intake interferes with patients who have been treated orally and topically with Tretinoid drugs now or over the past month.

Intervention groups
Patients with Persistent Post Acne Erythema on the face.

Main outcome variables
Persistent Post Acne Erythema per two weeks with Visioface

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20190901044666N1**
Registration date: **2020-09-03, 1399/06/13**
Registration timing: **registered_while_recruiting**

Last update: **2020-09-03, 1399/06/13**
Update count: **0**

Registration date
2020-09-03, 1399/06/13

Registrant information

Name
Afsaneh Sadeghzadeh bazargan

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 21 6435 2421

Email address
sadeghzadeh.a@iums.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2020-08-31, 1399/06/10

Expected recruitment end date
2020-09-05, 1399/06/15

Actual recruitment start date
2020-08-31, 1399/06/10

Actual recruitment end date
2020-09-05, 1399/06/15

Trial completion date

2020-11-05, 1399/08/15

Scientific title
Evaluation the Effect of Tranexamic Acid by Mesotherapy on Persistant Post Acne Erythematous

Public title
Evaluation the Effect of Tranexamic Acid by Mesotherapy on Persistant Post Acne Erythematous

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Patient with Post Acne Erythema at face
Exclusion criteria:
Coagulopathy like DIC , Pulmonary Emboli , CVA , DVT,Malignancies,Drug reaction with Tranexamic Acid,Drug Interaction with Tranexamic Acid,Pregnancy , Feeding , Plan to Pregnancy

Age
No age limit

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **30**
Actual sample size reached: **20**

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 Iran University of Medical Sciences
Street address
39, 7 Ave., Kaj Sq., Saadat Abad Ave.,Tehran
City
Tehran
Province
Tehran
Postal code
19988718444

Approval date
2020-08-31, 1399/06/10

Ethics committee reference number
IR.IUMS.REC.1399.496

Health conditions studied

1

Description of health condition studied
Persistent Post Acne Erythema

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Persistent Post Acne Erythema

Timepoint
First visit, Two weeks after the first visit, One month after the second visit

Method of measurement
By Visioface

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: In this study, one side of each patient's face is considered as a control and the other side of the patient's face is considered as a observe, and the two sides of the patient's face are compared during the treatment period and one month after the completion of treatment. On the right side of each patient's face tranexamic acid as mesotherapy (Tranexamic Acid ampoules by one cc syringes used for injection) in the area with erythema due to acne inflammation intradermally at intervals of one centimeter in the amount of 0.1 cc Is injected. On the left side of the same patient's face, no medicine is injected and is considered as a observe. The second and then one month after the last visit are photographed and compared with the help of Delta scale in a quantitative and qualitative way. And then compared.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Rasoole-Akram Hospital

Full name of responsible person
Afsaneh Sadeghzadeh
Street address
39, 7 Ave., Kaj Sq., Saadat Abad Ave.,Tehran
City
Tehran
Province
Tehran
Postal code
1998718444
Phone
+98 21 6435 2391
Email
sadeghzadeh.a@iums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Afsaneh Sadeghzadeh
Street address
Rasool-E-Akram Hospital , Niayesh Ave., Sattar khan ave.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 6435 2391
Email
sadeghzadeh.a@iums.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Iran 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
Iran University of Medical Sciences
Full name of responsible person
Afsaneh Sadeghzadeh
Position
Associate Professor
Latest degree
Specialist
Other areas of specialty/work
Dermatology
Street address
Rasool-E-Akram Hospital , Maziyar Mansoori Ave., Niayesh Ave., Sattar khan Ave.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 6435 2391
Email
Sadeghzadeh.a@iums.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Afsaneh Sadeghzadeh
Position
Associate Professor
Latest degree
Specialist
Other areas of specialty/work
Dermatology
Street address
Rasool-E-Akram Hospital., Maziyar mansoori Ave., Sattar khan Ave.,
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 6435 2391
Email
Sadeghzade.a@iums.ac.ir

Person responsible for updating data

Contact
Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Afsaneh Sadeghzadeh
Position
Associate Professor
Latest degree
Specialist
Other areas of specialty/work
Dermatology

Street address
Rasool-E-Akram Hospital., Maziyar Mansoori Ave., Niayesh Ave., Sattar khan Ave.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 6435 2391
Email
Sadeghzade.a@iums.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available