

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

Evaluation the effect of platelets rich plasma on skin rejuvenation on elderly individuals

Protocol summary

Summary

Objectives: The effect of platelets rich plasma in reducing the facial wrinkles in before-after comparison. Inclusion and exclusion criteria: All volunteer individuals for wrinkle rejuvenating with scale II and III of Glogour that did not use any local and systemic skin rejuvenation therapies six months before enter to study. Participants: Participants are including 30 elderly patients who refer to Ghaem Hospital Mashhad dermatologists in 2012 year. Interventions: The patient blood, 20 to 60 cc get, two times in a three-month interval times. After preparation of platelet concentrates in sterile conditions, physician is injected 1 cc to upper face, 1 cc in cheeks and 1 cc in lower zone of face. This is repeated twice with three-month interval time. Outcomes: Before and after the starting treatment, digital photography take till wrinkle improvement in patients evaluate using both objective and subjective method. Improvement rate in subjective method is based on self individual evaluation and in objective method is based on visit of before and after treatment digital photography by medicine and blinded dermatologist physicians. Evaluation of digital photography is performed before and after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201404123862N11**
Registration date: **2014-06-15, 1393/03/25**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-06-15, 1393/03/25

Registrant information

Name

Farahzad Jababri Azad

Name of organization / entity

Mashahd University of Medical Scineces

Country

Iran (Islamic Republic of)

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banihashemim@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences, Vice chancellor for research

Expected recruitment start date

2012-10-31, 1391/08/10

Expected recruitment end date

2014-11-01, 1393/08/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of platelets rich plasma on skin rejuvenation on elderly individuals

Public title

Effect of plasma platelets on removing wrinkles of skin

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All volunteer individuals for wrinkle rejuvenating with scale II and III of Glogour; the patients did not use any local and systemic skin rejuvenation therapies six months before. Exclusion criteria: pregnancy and breast feeding, Skin cancer; cancer of any

part of the body and chemotherapy; Steroid therapy; skin diseases with face involvement like porphyriar; patients with coagulation disorders; people who are taking aspirin with any other anticoagulant medicines; dialysis patients and patients with thrombocytopenia; smokers; alcoholics; malnourished individuals; people with the genetic skin problems; Advanced lesions due to sun exposure; advanced hyperpigmentation; capillary lesions on the nose and cheeks; patients who used vitamin A derivative; patients who don't refer on follow up periods

Age

From **35 years** old to **55 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Single 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

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

901109

Health conditions studied

1

Description of health condition studied

Aging facial wrinkles

ICD-10 code

R23.8

ICD-10 code description

Other and unspecified skin changes

Primary outcomes

1

Description

Wrinkle improvement

Timepoint

Two times, every three month

Method of measurement

Observing the digital photography and evaluation of self patients

Secondary outcomes

empty

Intervention groups

1

Description

Injection of platelets rich plasma, 1 cc in upper face, 1 cc in cheeks and 1 cc in lower zone of face,repeat of injection after 3 month

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Ghaem hospital

Full name of responsible person

Dr Mahnaz Banihashemi

Street address

Ghaem hospital, Ahmad Abad street

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences, Vice chancellor for research

Full name of responsible person

Dr Mohsen Tafaghodi

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central building of Mashhad University of Medical Sciences (Ghorshi), Daneshgah 16, Daneshghae Street

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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, Vice chancellor for research

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
Mashhad University of Medical Sciences

Full name of responsible person
Dr Mahnaz Banihashemi

Position
Associate professor of Dermatology

Other areas of specialty/work

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Contact

Name of organization / entity

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Full name of responsible person

Akram Momenzadeh

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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