

# 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)

##### Phone

+98 51 1843 6626

##### Email address

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

##### City

Mashhad

## 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

##### Street address

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

**City**  
Mashhad

**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**

**Street address**  
Ghaem Hospital, Ahmad Abad Street

**City**  
Mashhad

**Postal code**

**Phone**  
+98 51 1841 0135

**Fax**

**Email**  
banihashemim@mums.ac.ir

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**  
Mashhad University of Medical Sciences

**Full name of responsible person**  
Dr Mahnaz Banihashemi- Dr Daruosh Hamidi  
Alamdari- Dr Solmaz Nakhaeizadeh

**Position**  
Associate professor of dermatology, Assistant

professor of Clinical Biochemistry, Dermatology  
Reside

### Other areas of specialty/work

### Street address

Ghaem Hospital, Ahmad Abad Ave

### City

Mashhad

### Postal code

### Phone

+98 51 1801 2851

### Fax

### Email

banihashemim@mums.ac.ir,  
dhamidialam@yahoo.com,  
so.nakhaeizadeh@gmail.com

### Web page address

## Person responsible for updating data

### Contact

### Name of organization / entity

Leishmaniasis Research Center

### Full name of responsible person

Akram Momenzadeh

### Position

Reserach Assistant

### Other areas of specialty/work

### Street address

Ghaem Hospital, Ahmad Abad Street

### City

Mashhad

### Postal code

### Phone

+98 51 1841 0135

### Fax

### Email

src@mums.ac.ir

### Web page address

## 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*