

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of the effect of PRP and hair transplantation with hair transplantation alone in the treatment of vitiligo

Protocol summary

Summary

The purpose of the study is the comparison of PRP and hair transplantation with hair transplantation alone in the treatment of vitiligo. In this study 22 patients from the clinic of Dr. Feily would be selected. After fulfill the consent form patients undergo the hair transplantation in some lesions in both sides of the body. Inclusion criteria : Patients diagnosed with stable, refractory vitiligo ages below 12 or above 60 years. Several lesions would be selected in both sides of the body symmetrically then hair transplantation by FIT method would be performed. After 5 days dressing would be removed and PRP would be perform on both hair transplanted and non hair transplanted lesions on one side of the body randomly . After 2 days NBUB would be started for both sides of the body. Every months until 3 months peri-follicular pigmentation would be measure with caliper. In non transplanted lesions VETI score would be calculate. After 3 months we compare the result of both sides of the body. Ultimately in would be clear that whether PRP increases the peri-follicular pigmentation or it does not have therapeutic efficacy.

General information

Acronym

PRP: platelet-rich plasma

IRCT registration information

IRCT registration number: **IRCT2015120725407N1**

Registration date: **2016-01-29, 1394/11/09**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-01-29, 1394/11/09

Registrant information

Name

Amir Feily

Name of organization / entity

Skin and Stem Cell Research Center, Tehran
University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 715234665

Email address

dr.feily@jums.ac.ir

Recruitment status

Recruitment complete

Funding source

Skin and Stem Cell Research Center, Tehran University of
Medical Sciences, Tehran, Iran.

Expected recruitment start date

2015-12-21, 1394/09/30

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of PRP and hair transplantation
with hair transplantation alone in the treatment of vitiligo

Public title

Effect of PRP on the treatment of vitiligo

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Patients diagnosed with stable;
refractory vitiligo; No treatment in the last 6 months;
depigmented patch more than 5 cm; ages between 12
and 60 years old. Exclusionary criteria included :

pregnancy; lactation; hepatitis; HIV infection; active vitiligo; infection in the recipient site; history of photosensitivity or skin cancer; history of keloid healing; history of Kobner phenomenon.

Age

From **12 years** old to **60 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **22**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomized with table of random numbers

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, Enghelab Street, Tehran, Iran

City

Tehran

Postal code

Approval date

2015-11-17, 1394/08/26

Ethics committee reference number

IR.TUMS.REC.1394.1186

Health conditions studied

1

Description of health condition studied

Vitiligo

ICD-10 code

L80

ICD-10 code description

disorders of pigmentation

Primary outcomes

1

Description

perifollicular repigmentation after treatment

Timepoint

1 month, 2 months, 3 months after treatment

Method of measurement

Caliper, VETTI score

Secondary outcomes

empty

Intervention groups

1

Description

follicular grafts would be transplanted With FIT technique throughout some lesions. After 5 days dressings would be removed and PRP would be injected on hair transplanted and non hair transplanted lesions. Two days later the entire lesions would exposed to phototherapy twice a week for three months; the dose would be increased 15% at each treatment interval

Category

Treatment - Surgery

2

Description

In the lesions of the other site of the body follicular grafts would be transplanted With FIT technique throughout the lesions. After 5 days dressings would removed. Two days later the lesional skin was exposed to phototherapy twice a week for three months; the dose increased 15% at each treatment interval

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Dr.Feily Clinic of Dermatology and Hair Transplantation

Full name of responsible person

Amir Feily

Street address

Dr.Feily Clinic of Dermatology and Hair Transplantation. Moalem BLVD, Jahrom, Iran

City

Jahrom

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Skin and Stem cell
Research Center of Tehran University of Medical S

Full name of responsible person

Mohammad Ali Nilforoushzadeh

Street address

No 4, Maryam Alley, South Kamraniyeh Street,
Tehran, Iran

City

Tehran

Grant name

مستقل

Grant code / Reference number

123700016

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor for research of Skin and Stem cell
Research Center of Tehran University of Medical S

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**

Skin and Stem cell Research Center of Tehran
University of Medical Sciences

Full name of responsible person

Amir Feily

Position

Dermatologist

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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

