

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The evaluation of effect of Platelet-Rich Plasma (PRP) in the treatment of patients with androgenic alopecia

Protocol summary

Study aim

The objective of this clinical trial is evaluation of the effect of Platelet-Rich Plasma (PRP) in the treatment of patients with androgenic alopecia

Design

In this randomized clinical trial, 20 patients with androgenic alopecia without control group will be assigned into the study.

Settings and conduct

In this randomized clinical trial, 20 patients with androgenic alopecia referring to dermatology clinic of Sina hospital of Tabriz will be assigned into the study. Interfollicular injection of Platelet-Rich Plasma (PRP), 0.1 ml/cm² will be performed 3 times in each patient in selected areas of the scalp at intervals of 30 days. The clinical manifestations and dermoscopy will be used to evaluate the patients with androgenic alopecia. Before the intervention, 2 weeks, 1 month, 3 months after the intervention will be followed up respectively.

Participants/Inclusion and exclusion criteria

Inclusion criteria of the study is Age 18-60 years; Male pattern hair loss (MPHL) and Indication of the participant for PRP injection. Exclusion criteria of the study is platelets disorders; thrombocytopenia; systemic treatments for MPHL (such as finasteride and antiandrogens) in the previous 12 months; bone marrow aplasia; cancer.

Intervention groups

Interfollicular injection of Platelet-Rich Plasma (PRP), 0.1 ml/cm² will be performed 3 times in each patient in selected areas of the scalp at intervals of 30 days.

Main outcome variables

The clinical manifestations and dermoscopy will be used to evaluate the patients with androgenic alopecia. Before the intervention, 2 weeks, 1 month, 3 months after the intervention will be followed up respectively.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160318027097N11**

Registration date: **2018-06-02, 1397/03/12**

Registration timing: **prospective**

Last update: **2018-06-02, 1397/03/12**

Update count: **0**

Registration date

2018-06-02, 1397/03/12

Registrant information

Name

Dr Faramarz Darghahi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 45 3351 2000

Email address

mj.naghizadeh@arums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-06-05, 1397/03/15

Expected recruitment end date

2018-09-06, 1397/06/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The evaluation of effect of Platelet-Rich Plasma (PRP) in the treatment of patients with androgenic alopecia

Public title

Effect of Platelet-Rich Plasma (PRP) in the treatment of androgenic hair loss

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Age 18–60 years Male pattern hair loss (MPHL) Indication of the participant for PRP injection

Exclusion criteria:**Age**

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **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 Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Daneshgah Avenue, Tabriz, East Azarbaijan, Iran

City

Tabriz

Province

East Azarbaijan

Postal code

5163639888

Approval date

2018-03-06, 1396/12/15

Ethics committee reference number

IR.Tbzmed.REC.1396.1128

Health conditions studied**1****Description of health condition studied**

Androgenic alopecia

ICD-10 code

L64

ICD-10 code description

Androgenic alopecia

Primary outcomes**1****Description**

The androgenic alopecia clinical manifestations

Timepoint

Before the intervention, 2 weeks, 1 month, 3 months after the intervention

Method of measurement

Clinical examinations and dermoscopy

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Platelet-Rich Plasma (PRP), 0.1 ml/cm², Interfollicular injection, 3 times in each patient in selected areas of the scalp at intervals of 30 days.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Sina hospital

Full name of responsible person

Dr Davod Ahmadi Maleki

Street address

Tabriz University of Medical Sciences, Daneshgah Avenue, Tabriz, East Azarbaijan, Iran

City

Tabriz

Province

East Azarbaijan

Postal code

5163639888

Phone

+98 45 3351 2006

Email

naghizadeh73@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Hassan Soleimanpour

Street address

Tabriz University of Medical Sciences, Daneshgah Avenue, Tabriz, East Azarbayjan, Iran

City

Tabriz

Province

East Azarbaijan

Postal code

5163639888

Phone

+98 45 3351 2000

Email

naghizadeh73@yahoo.com

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

Dr Efat Khodayan

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

Dermatology

Street address

Tabriz University of Medical Sciences, Daneshgah Avenue, Tabriz, East Azarbayjan, Iran

City

Tabriz

Province

East Azarbaijan

Postal code

5163639888

Phone

+98 45 3351 2006

Email

naghizadeh73@yahoo.com

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Dr Mehdi Amirnia

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

Dermatology

Street address

Tabriz University of Medical Sciences, Daneshgah Avenue, Tabriz, East Azarbayjan, Iran

City

Tabriz

Province

East Azarbaijan

Postal code

5163639888

Phone

+98 45 3351 2006

Email

naghizadeh73@yahoo.com

Person responsible for updating data

Contact**Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Dr Davod Ahmadi Maleki

Position

Dermatology Assistant

Latest degree

Medical doctor

Other areas of specialty/work

Dermatology

Street address

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City

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Province

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Phone

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Email

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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

Total potential data after unidentifiable individuals

When the data will become available and for how long

Start the access period from 2019

To whom data/document is available

Researchers in academic and scientific institutions

Under which criteria data/document could be used

Data can be used for scientific and research studies.

From where data/document is obtainable

Dr Davod Ahmad Maleki; Dermatology Assistant;
Naghizadeh73@yahoo.com

What processes are involved for a request to access data/document

After receiving the request email, data files will be sent in less than a week

Comments