Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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

Ḍr 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 Azarbayjan, 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 Azarbayjan, Iran
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tabriz University of Medical Sciences

Full name of responsible person
Hassan Soleimanpour

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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
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

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Person responsible for scientific inquiries

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Person responsible for updating data

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Dermatology Assistant

Latest degree
Medical doctor

Other areas of specialty/work
Dermatology

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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