

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 2026

### comparison of effect of PRP and Micro-needling with micro-needling alone in the treatment of Vitiligo

#### Protocol summary

##### Study aim

comparison of effect of PRP and Micro-needling with micro-needling alone in the treatment of Vitiligo

##### Design

A total 10 patients with vitiligo were enrolled for a prospective open pilot study

##### Settings and conduct

In this study 10 patients were chosen from the clinic of skin and stem cell research center of Tehran University of medical science being diagnosed with stable Non-segmental vitiligo for ages fifteen to sixty years old. 3 patches are selected from each individual .the first patches Micro-needling then PRP and second patches Micro-needling alone would be performed. The third patches is control .this procedure is repeated every two weeks for maximum 3 month in 6 sessions.in the end ,in order to evaluate the findings of this study the vitiligo European task factor (VETF) score ,Biometry ,Colorimetry and photography will be used to assess effectiveness of the study.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: patients with stable non segmental vitiligo,ages between 15 and 60 Exclusionary criteria: pregnancy, lactation, HIV infection, active vitiligo, infection in the recipient site, hepatitis, history of Keloid healing, history of Kobner phenomenon

##### Intervention groups

Patche number (1) Micro-needling then Intradermal PRP injection would be performed. . this procedur was repeated every 2 week for maximum 3 month(6 session) patches number ( 2 )Micro-needling alone would be performed. this procedur was repeated every 2 week for maximum 3 month(6 session) patches number 3 was control.

##### Main outcome variables

Repgmentation of vitiligo patch

#### General information

##### Reason for update

##### Acronym

PRP(platelet Rich Plasma)

##### IRCT registration information

IRCT registration number: **IRCT20160813029327N9**

Registration date: **2018-05-14, 1397/02/24**

Registration timing: **retrospective**

Last update: **2018-05-14, 1397/02/24**

Update count: **0**

##### Registration date

2018-05-14, 1397/02/24

##### Registrant information

##### Name

Ramin Abrishami

##### Name of organization / entity

Islamic Azad University, Pharamceutical sciences branch

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2264 1889

##### Email address

r\_abrishami@iaups.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2017-10-01, 1396/07/09

##### Expected recruitment end date

2018-04-21, 1397/02/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

IR.IAUREC.1395.44

### Scientific title

comparison of effect of PRP and Micro-needling with micro-needling alone in the treatment of Vitiligo

### Public title

Effect of Platelet Rich Plasma with Micro -needling in Regimentation of Vitiligo

### Purpose

Treatment

### Inclusion/Exclusion criteria

#### Inclusion criteria:

patients with stable non segmental vitiligo ages between 15 and 60 depigmented patches more than 2cm

#### Exclusion criteria:

### Age

From **15 years** old to **60 years** old

### Gender

Both

### Phase

N/A

### Groups that have been masked

*No information*

### Sample size

Target sample size: **10**

### Randomization (investigator's opinion)

N/A

### Randomization description

### Blinding (investigator's opinion)

Not blinded

### Blinding description

### Placebo

Not used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Islamic Azad University of Pharmaceutical Science

##### Street address

Islamic Azad university of Pharmaceutical Science, Yakhchal Street, Shariati Street, Tehran, Iran

##### City

Tehran

##### Province

Tehran

##### Postal code

6466\_19395

##### Approval date

2017-01-05, 1395/10/16

##### Ethics committee reference number

## 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

repigmentation

#### Timepoint

befor session 1 and one month after session six

#### Method of measurement

Biometry and calorimetry and photoraphy

## Secondary outcomes

### 1

#### Description

Quality of life

#### Timepoint

Before of first session of treatment and one month after of last session

#### Method of measurement

Dermatology life quality index

## Intervention groups

### 1

#### Description

Intervention group 1 : ) Micro-needling and intradermal PRP injection

#### Category

Treatment - Other

### 2

#### Description

Intervention group 2 : ) Micro-needling

#### Category

Treatment - Other

### 3

#### Description

Control group: there was no intervention

#### Category

Treatment - Other

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Skin and Stem Cell Research Center Of Tehran  
University Of Medical Science

**Full name of responsible person**

Parvin Mansouri

**Street address**

No 4,Maryam Alley, South Kamraniyeh Street

**City**

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**Province**

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**Postal code**

8164635597

**Phone**

+98 21 2220 1710

**Email**

mansouripr@yahoo.com

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Parvin Mansouri

**Street address**

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

Tehran 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**

Islamic Azad University

**Full name of responsible person**

Shaylan kalavi

**Position**

student

**Latest degree**

A Level or less

**Other areas of specialty/work**

Medical Pharmacy

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Yakhchal Street, Shariati Street

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## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Parvin Mansouri

**Position**

Professor

**Latest degree**

Specialist

**Other areas of specialty/work**

Dermatology

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## Person responsible for updating data

### Contact

**Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

Mehdi Rajabi

**Position**

Associate professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Medical Pharmacy

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Mehdirj@aol.com

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

**Study Protocol**

Undecided - It is not yet known if there will be a plan to make this available

**Statistical Analysis Plan**

Undecided - It is not yet known if there will be a plan to make this available

**Informed Consent Form**

Undecided - It is not yet known if there will be a plan to make this available

**Clinical Study Report**

Undecided - It is not yet known if there will be a plan to make this available

**Analytic Code**

Undecided - It is not yet known if there will be a plan to make this available

**Data Dictionary**

Undecided - It is not yet known if there will be a plan to make this available