

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

20 Sep 2026

### Comparative Efficacy of Diphenylcyclopropenone vs Anthralin in Patients with Alopecia Areata

#### Protocol summary

##### Summary

This study is an interventional clinical trials and in this study 50 patients with alopecia areata scalp referred to the dermatology clinic of Tabriz Sina Hospital, during the last 3 months have not responded to topical treatment with corticosteroids, either randomly selected and entered into study. Patients are divided into two groups of 25, and a group treated with topical DCPC and other group treated with topical Anthralin and finally, in remission rates, duration of treatment, complications, and recurrence rates were comparable and effective treatment is recommended.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201410113566N5**

Registration date: **2014-10-23, 1393/08/01**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2014-10-23, 1393/08/01

##### Registrant information

###### Name

Hamide Azimi

###### Name of organization / entity

Tabriz University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 41 1540 6612

###### Email address

azimih@tbzmed.ac.ir

##### Recruitment status

##### Recruitment complete

##### Funding source

Tabriz University of Medical Sciences

##### Expected recruitment start date

2014-07-23, 1393/05/01

##### Expected recruitment end date

2015-05-22, 1394/03/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparative Efficacy of Diphenylcyclopropenone vs Anthralin in Patients with Alopecia Areata

##### Public title

scalp alopecia areata treatment

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: 1-Patients with a clinical diagnosis of alopecia areata during the last 3 months have not responded to treatment with corticosteroids. 2- Patients who have announced their complete satisfaction for the study. 3- patients older than 2 years. Exclusion criteria: 1- associated with other skin diseases. 2-severe dermatitis or severe urticaria by DCPC or anthralin. 3- In the past month have been treated another drugs. 4- patients with hematologic malignancies and blood dyscrasias. 5- pregnant women and lactating. 6- patients retarded and physically disabled.

##### Age

No age limit

##### Gender

Both

##### Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 50

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Single blinded

## Blinding description

## Placebo

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Research & Technology of Tabriz university

##### Street address

Third Floor-Central Building No. 2 -Tabriz University of  
Medical Sciences-Golgasht St.

##### City

Tabriz

##### Postal code

#### Approval date

2014-08-18, 1393/05/27

#### Ethics committee reference number

9394

## Health conditions studied

### 1

#### Description of health condition studied

Alopecia areata

#### ICD-10 code

L63

#### ICD-10 code description

Alopecia areata

## Primary outcomes

### 1

#### Description

Amount of improvement

#### Timepoint

Every two weeks up to three months

#### Method of measurement

Physical Examination

### 2

#### Description

Duration of treatment

#### Timepoint

To three months after the intervention

#### Method of measurement

Physical Examination

## Secondary outcomes

### 1

#### Description

Side effects

#### Timepoint

Every two weeks up to three months

#### Method of measurement

Physical Examination

### 2

#### Description

Recurrence

#### Timepoint

Every month after completion of the intervention up to 3  
months

#### Method of measurement

Physical Examination

## Intervention groups

### 1

#### Description

Topical Diphenylcyclopropanone weekly up to three  
months (once per week)

#### Category

Treatment - Drugs

### 2

#### Description

Topical Anthralin daily up to three months (once per day)

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Dermatology Clinic of Tabriz Sina Hospital

##### Full name of responsible person

##### Street address

##### City

Tabriz

## Sponsors / Funding sources

## 1

### Sponsor

**Name of organization / entity**

Tabriz University of Medical Sciences, assistance research

**Full name of responsible person**

Dr. Hassan Soleimanpour

**Street address**

Tabriz University of Medical Sciences, Golgasht st.

**City**

Tabriz

**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, assistance 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**

Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Hamideh Azimi

**Position**

University faculty - Dermatologist

**Other areas of specialty/work****Street address**

Tabriz Sina Hospital

**City**

Tabriz

**Postal code****Phone**

+98 41 3540 6612

**Fax****Email**

Hamideh\_azimi@yahoo.com

**Web page address**

### Person responsible for scientific inquiries

**Contact****Name of organization / entity**

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**Full name of responsible person**

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### Person responsible for updating data

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Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Hamideh Azimi

**Position**

Faculty member, Dermatologist

**Other areas of specialty/work****Street address**

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**City**

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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*

**Data Dictionary**

*empty*