Clinical Trial Protocol
Iranian Registry of Clinical Trials

20 Sep 2026

Comprative Efficiacy 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

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Tabriz University of Medical Sciences
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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

Comprative Efficiacy 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 Diphenylcyclopropenone 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
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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