Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the Therapeutic Effects of UVB and PUVA Waves in Patients with Vitiligo

Protocol summary

Summary

The aim of this study was to compare the effects of radiation therapy Ultraviolet B Therapy and Psoralen and Ultraviolet A Therapy in Patients with vitiligo. Inclusion criteria was Patients with vitiligo aged 18 to 70 years and Exclusion criteria included previous malignancy skin, failed previous treatment with phototherapy, more than 100 sessions of phototherapy in the person's life, treatment for vitiligo in the last three months, pregnancy or breast-feeding, liver or kidney disease, lupus erythematosus and hypersensitivity to light. This cross sectional study on 60 patients with vitiligo was visited Bouali hospital and Mehregan laser center in 2013. First group (30 Patients) was treated with PUVA, 3 hours before phototherapy, consumed tablets containing the 8-methoxypsoralen and under phototherapy twice a week. The second group (30 Patients) was under UVB radiation twice a week. The number of phototherapy sessions in both groups was 15 times. Two groups were compared repigmentation, stability of repigmentation and Side effects

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016051811371N4**
Registration date: **2016-08-19, 1395/05/29**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-08-19, 1395/05/29

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Tehran Islamic Azad University

Expected recruitment start date

2013-03-20, 1391/12/30

Expected recruitment end date

2014-02-19, 1392/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the Therapeutic Effects of UVB and PUVA Waves in Patients with Vitiligo

Public title

Effects of UVB and PUVA Waves in Vitiligo

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:vitiligo patients 18 to 70 years; patients who use PUVA or UVB Exclusion criteria: previous skin cancer; failure of previous treatment with phototherapy; more than 100 sessions of phototherapy in the person's life; treatment for vitiligo in the last three months; pregnancy and lactation; liver or kidney disease; lupus erythematosus; history of sensitivity to light;use ointment monobanzen.

Age
From **18 years** old to **70 years** old
Gender
Both

Phase
1-2
Groups that have been masked
No information
Sample size
Target sample size: **60**
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
Islamic Azad University
Street address
Tehran
City
Tehran
Postal code
Approval date
2016-07-19, 1395/04/29
Ethics committee reference number
IR.IAU.TMU.REC.1395.86

Health conditions studied

1

Description of health condition studied
Vitiligo
ICD-10 code
L80
ICD-10 code description
Vitiligo

Primary outcomes

1

Description
Vitiligo
Timepoint
Three months every two weeks and And in the next three months per month
Method of measurement
Observe and record

Secondary outcomes

empty

Intervention groups

1

Description
In first group that were treated with PUVA (30 patients), oral tablets containing 8-methoxypsoralen at a dose of 25 mg/ m2 were taken 3 hours before phototherapy and PUVA therapy was started at a dose of 0.5 J/cm2 twice a week. The phototherapy dose was increased by 20% in each visit if tolerated.
Category
Treatment - Drugs

2

Description
In second group (30 patients), UVB therapy was administered twice a week with 311-313 nm wavelength and a dose of 0.1 J/cm2 and we increased the dose 20% in each visit if tolerated.Phototherapy sessions in both groups were 15
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
BOUALI hospital and MEHREGAN laser center
Full name of responsible person
Marjan Entezami
Street address
Tehran
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Islamic Azad University
Full name of responsible person
Hasan Eftekhar ardebili
Street address
Tehran
City
Tehran
Grant name

Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Islamic Azad University
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

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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