

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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

Name

Bitah Shahbazzadegan

Name of organization / entity

Ardabil University of Medical Sciences

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Iran (Islamic Republic of)

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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 Eftekhari ardebili

Street address

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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

Contact

Name of organization / entity
Ardabil University of Medical Sciences

Full name of responsible person
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Position
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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