

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of Narrow Band Ultraviolet photo therapy on serum homocystein level before and after phototherapy in patients with skin disorder

Protocol summary

Summary

Objective: To investigate the effect of Narrow Band Ultraviolet Photo Therapy On Serum Homo-cysteine Levels in Patients Referred to Yahyanegad Hospital Of Babol. Design:(Study group: patients with dermatological disorders including psoriasis, vitiligo or atopic dermatitis that are referred to photo therapy unit at Yahyanegad hospital; Sample size:30; No control group; Building: Not blinded; Randomization: Single arm study). Setting and conduct: 30 patients that are referred to photo therapy unit of the dermatology department at Yahyanegad hospital are enrolled in to the study. Serum homocysteine levels are measured in all patients at the first visit before initiating of treatment and after thirty sessions of treatment. Serum homo cysteine levels are determined using Elisa method. Software SPSS are used to analyze the results. Inclusion criteria: psoriasis or Vitiligo, which is set to be at least 30 sessions of narrow band ultraviolet photo therapy. Signing the informed consent before entering the examination Exclusion criteria: Smoking, illnesses such as hypertension, diabetes, thyroid dysfunction that may affect homocysteine levels. Use of drugs, such as vitamins, OCP and anti-coagulant, past history of cardiovascular, chronic hepatitis, chronic kidney disease, cancer and pregnancy, inflammatory bowel disease, rheumatic diseases, systemic drugs anti-psoriasis or Vitiligo, Use of natural or synthetic UV for during the months prior to admission natural or synthetic. Patients who did not complete therapy by the end of 30 sessions. Intervention: Narrow Band Ultra Violet B photo therapy; thirty session of treatment. Primary outcome variables: serum homocysteine levels; Secondary outcome variable Ultraviolet cumulative doses

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017060134286N1**
Registration date: **2017-10-15, 1396/07/23**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-15, 1396/07/23

Registrant information

Name

Zeinab Aryanian

Name of organization / entity

Babol University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3229 1551

Email address

z.aryanian@mubabol.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Babol University of Medical Sciences

Expected recruitment start date

2016-09-03, 1395/06/13

Expected recruitment end date

2018-03-22, 1397/01/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Narrow Band Ultraviolet photo therapy on serum homocystein level before and after phototherapy in patients with skin disorder

Public title

The effect of phototherapy on serum homocystein level

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: psoriasis or Vitiligo, which is set to be at least 30 sessions of light therapy NBUVB. signing the informed consent before entering the examination
 Exclusion criteria: Smoking, illnesses such as hypertension, diabetes, thyroid dysfunction that may affect homocysteine levels. Use of drugs; such as vitamins, OCP and anti-coagulant. past history of cardiovascular, chronic hepatitis, chronic kidney disease, cancer and pregnancy, inflammatory bowel disease, rheumatic diseases. systemic drugs anti-psoriasis or Vitiligo. Use of natural or synthetic UV for during the months prior to admission natural or synthetic. Patients who did not complete therapy by the end of 30 sessions

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **40****Randomization (investigator's opinion)**

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Babol University of Medical Sciences

Street address

Vice chancellor for research of Babol University of

Medical Sciences, Babol University of Medical Sciences, Ganjafroose street, Karegar square, Babol

City

babol

Postal code

4717631367

Approval date

2016-10-31, 1395/08/10

Ethics committee reference number

mubabol.rec.1395.174

Health conditions studied**1****Description of health condition studied**

Atopic dermatitis-vitiligo-psoriasis

ICD-10 code

L20-L80-L4

ICD-10 code description

Atopic dermatitis-vitiligo-psoriasis

Primary outcomes**1****Description**

Serum homocystein levels

Timepoint

Baseline (before initiation of treatment)-after 30sessions of treatment

Method of measurement

Elisa

Secondary outcomes**1****Description**

Cumulative dose

Timepoint

After 30 session phototherapy

Method of measurement

j/cm

Intervention groups**1****Description**

Intervention group:Narrow Band UVB photo therapy; 30 sessions of treatments; No control group

Category

Treatment - Other

Recruitment centers**1****Recruitment center**

Name of recruitment center

Dermatology department of Shahid Yahyanegad hospital

Full name of responsible person

Zeinab Aryanian

Street address

Shahid Yahyanegad hospital, Mostafa Khomeini street, Modares street, Babol

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z_aryanian@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Babol University of Medical Sciences

Full name of responsible person

Zeinab Aryanian

Position

Assistant professor, Dermatologist

Other areas of specialty/work

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Babol University of Medical Sciences

Full name of responsible person

Dr. Hadi Parsiyan

Street address

Babol University of Medical Sciences, Ganjafroose street, Karegar square, Babol

City

babol

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor for research, Babol University of Medical Sciences

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

Babol University of Medical Sciences

Full name of responsible person

Zeinab Aryanian

Position

Assistant professor, Dermatologist

Other areas of specialty/work

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Person responsible for updating data

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Position

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Other areas of specialty/work

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Web page address

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