Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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 Refered 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

City
babol

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

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

City
babol

Postal code
4717631367

Phone
+98 11 3219 7667

Fax

Email
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

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

City
babol

Postal code
4717631367

Phone
+98 11 3219 7667

Fax

Email
Z_aryanian@yahoo.com

Web page address

Person responsible for updating data

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

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

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z_aryanian@yahoo.com

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