

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### The effect of Narrow Band UVB phototherapy on serum folate level

#### Protocol summary

##### Summary

Objective: To investigate the effect of Narrow Band UVB phototherapy on serum folate levels. Design: (Study group: patients with dermatological disorders including psoriasis, vitiligo or atopic dermatitis that are referred to phototherapy 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 phototherapy unit of the dermatology department at Yahyanegad hospital are enrolled in to the study. Serum folate levels are measured in all patients at the first visit before initiating of treatment and after thirty sessions of treatment. Serum folate levels are determined using Elisa method. Software SPSS are used to analyze the results. Inclusion criteria: patients with dermatological disorders including psoriasis, vitiligo or atopic dermatitis that undergoing NBUBV phototherapy; Exclusion criteria: Taking drugs that interface with folate metabolism; taking folate supplements; chronic diseases. Intervention: Narrow Band Ultra Violet B phototherapy; thirty session of treatment. Primary outcome variables: serum folate levels; Secondary outcome variables: UVB cumulative doses

#### General information

##### Acronym

-

##### IRCT registration information

IRCT registration number: **IRCT2015111525026N2**  
Registration date: **2015-12-21, 1394/09/30**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2015-12-21, 1394/09/30

##### Registrant information

##### Name

Azar Shirzadian kebria

##### Name of organization / entity

Babol University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 11 3229 1951

##### Email address

a.shirzadiyan@mubabol.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research, Babol University of Medical Sciences

##### Expected recruitment start date

2015-10-25, 1394/08/03

##### Expected recruitment end date

2017-03-20, 1395/12/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of Narrow Band UVB phototherapy on serum folate level

##### Public title

The effect of phototherapy on serum folic acid level

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: patients diagnosed with dermatological disorders including psoriasis, vitiligo, atopic dermatitis that are referred to phototherapy unit of the dermatology department at Yahyanegad hospital; Exclusion criteria: taking drugs that interface with folate metabolism including methotrexate and anti epileptic;

taking folate supplements; chronic diseases such as hepatic or renal diseases.

**Age**

No age limit

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 30

**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**

2015-10-20, 1394/07/28

**Ethics committee reference number**

MUBABOL.REC.1394.159

**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 folate levels

**Timepoint**

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

**Method of measurement**

Elisa

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

NB UVB total cumulative doses

**Timepoint**

Doses are recorded at each session

**Method of measurement**

J/cm<sup>2</sup>

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

Intervention group: Narrow Band UVB phototherapy; 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**

Azar Shirzadian Kebria

**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**

Azar Shirzadian kebria

**Position**

Assistant professor,Dermatologist

**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*