

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jun 2026

### clinical trial to evaluate the effect of Micro-Current's on Facial Wrinkles in elderly women

#### Protocol summary

##### Summary

Objectives: The effect of microcurrent in reducing the facial wrinkles in before-after comparison in elderly women. Design: Photographs are taken under specific conditions at the start, the end and also after 1 month post treatment to be assessed and scored by three dermatologists. Setting and conducts: The participants will washed their face with soap and water and then 10 minutes treatment would be conducted to their forehead, around eye, around mouth, nose, cheek and chin at each side separately. Participants: Including females the refer to Yasooj dermatologists during second half of year 1389 who had no cosmetic surgery and are nor suffering from any dermatological problems. In case of any side effects, the subjects would be excluded from the study according to dermatological approval. Interventions: The treatment protocol is to locate the anode in stationery position and move the cathode along the treatment area towards the anode and repeat this movement for 5 times. The stimulation is of microcurrent type with square pulse, frequency 70-80 Hz and intensity of 0-640 micro Amp. Main outcome measures: The taken photographs will be assessed by dermatologists and scored according to the size, depth and number of wrinkles from 0 to 10.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201009134738N1**

Registration date: **2011-03-01, 1389/12/10**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2011-03-01, 1389/12/10

#### Registrant information

##### Name

Khosro Khademi Kalantari

##### Name of organization / entity

Shahid Beheshti university of medical sciences,  
Faculty of Rehabilitation

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 7756 1411

##### Email address

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#### Recruitment status

##### Recruitment complete

#### Funding source

Shahid Beheshti University of Medical Sciences  
(International Branch)

#### Expected recruitment start date

2010-09-23, 1389/07/01

#### Expected recruitment end date

2011-02-20, 1389/12/01

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

clinical trial to evaluate the effect of Micro-Current's on  
Facial Wrinkles in elderly women

#### Public title

clinical trial to evaluate the effect of Micro-Current's on  
Facial Wrinkles in elderly women

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

inclusion criteria: no history of cosmetic surgery and  
other skin problems, according to the report of a

dermatologist . Exclusion criteria: In case of any complications, the participants would be excluded according to the dermatologist opinion. Patients also need to avoid to wear any anti-wrinkle cream or treatment during the study.

**Age**

From **35 years** old to **45 years** old

**Gender**

Female

**Phase**

2-3

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **15**

**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 Shahid Beheshti university of medical sciences (international branch)

**Street address**

International branch of Shahid Beheshti University of Medical Sciences, no19, tavanir street, across Hemat

**City**

Tehran

**Postal code****Approval date**

2010-09-22, 1389/06/31

**Ethics committee reference number**

116/1766

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

aging facial wrinkles

**ICD-10 code**

R23.8

**ICD-10 code description**

Other and unspecified skin changes

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

The depth, size and number of facial wrinkles

**Timepoint**

Pretreatment, Post treatment and 1month post treatment

**Method of measurement**

Photographs and scoring of dermatologist

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

Persistency of facial wrinkles

**Timepoint**

1 month post treatment

**Method of measurement**

Photographs and dermatologist scoring

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

Treatment duration: 20 minutes daily treatment, except for the holidays, Wednesdays and Fridays for 30 sessions or about 1.5 months. Treatment method: 10 minutes treatment for one side of face and 10 minutes for the other side. The treatment locations are forehead, around eyes, around lips and nose, cheeks and chin . Instrument: A6 made in China having the CE certificate from England and Europe. Treatment current: Microcurrent with square pulse, frequency of 70-80 Hz with amplitude ranged from 0 to 640 microampere.

**Category**

Treatment - Other

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Hafez physiotherapy center

**Full name of responsible person**

Fateme saniee, Dr. Khosro Khademi, Dr. Nader Dabiri

**Street address**

Hafez physiotherapy center, Daneshamooz street, Bimarestan street

**City**

Yasooj

**Sponsors / Funding sources****1****Sponsor**

**Name of organization / entity**

Shahid Beheshti University of Medical Sciences  
(International branch), Vice Chancellor for Research

**Full name of responsible person**

Dr. Rahmati Roodsari

**Street address**

International branch of Shahid Beheshti University of  
Medical Sciences, Tavanir street, Across Hemat

**City**

Tehran

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Shahid Beheshti University of Medical Sciences  
(International branch), Vice Chancellor for Research

**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**

Shahid Beheshti University of Medical Sciences

**Full name of responsible person**

Dr khosro khademi kalantari

**Position**

PHD in physiotherapy

**Other areas of specialty/work****Street address**

Faculty of Rehabilitation, Shahid Beheshti University  
of Medical Sciences, Damvand ave

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**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Yasooj Welfare Organisation

**Full name of responsible person**

Fateme Saniee PT

**Position**

PT MSc student

**Other areas of specialty/work****Street address**

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Yasooj Welfare Organization

**Full name of responsible person**

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**Position**

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Hafez Physiotherapy, Bimarestan street, Danesh  
amooz street

**City**

Yasooj

**Postal code****Phone****Fax****Email****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*