

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**

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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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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Yasooj Welfare Organization

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Position

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

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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