Clinical Trial Protocol
Iranian Registry of Clinical Trials

28 Sep 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
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Name of organization / entity
Shahid Beheshti university of medical sciences, Faculty of Rehabilitation
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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

Iinclusion 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 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 committe of shahid Beheshti university of medical sciences (international branch)

Street address
International branch of Shahid Behesthi 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 holodays, 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 lacations 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 curent: 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
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International branch of Shahid Beheshti University of Medical Sciences, Tavanir street, Across Hemat
City
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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

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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