

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### Prevention of synkinesis by biofeedback therapy:

#### Protocol summary

##### Summary

The aim of present study was to find a better procedure to prevent of synkinesis in facial nerve palsy. Inclusion criteria: peripheral facial nerve palsy. Exclusion criteria: facial nerve palsy due to upper motor neuron lesion. Therapeutic patients with facial nerve palsy were selected via electrodiagnosis tests. All patients randomly divided into two groups as experimental group and control group. The experimental group (n=15) was treated with biofeedback therapy and the control group (n= 15) received common physiotherapy. All patients received one year treatment. Outcome measures: evaluated to facial grading scale before and after treatment. And also, severity of synkinesia.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201308216083N2**  
Registration date: **2013-10-07, 1392/07/15**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2013-10-07, 1392/07/15

##### Registrant information

##### Name

Abbas Ali Pourmomeny

##### Name of organization / entity

School of Rehabilitation Sciences, Isfahan University  
of Medical Sciences, Isfahan, Iran

##### Country

Iran (Islamic Republic of)

##### Phone

+98 31 1792 2024

##### Email address

pourmomeny@rehab.mui.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Deputy of Research at Isfahan University

##### Expected recruitment start date

2005-03-10, 1383/12/20

##### Expected recruitment end date

2010-03-11, 1388/12/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Prevention of synkinesis by biofeedback therapy:

##### Public title

Prevention of synkinesis by biofeedback

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

inclusion: facial nerve palsy( by electrodiagnosis-  
axonotemesis) exclusion:facial nerve palsy (by  
electrodiagnosis-neuroapraxia) and central lesion of  
facial nerve palsy

##### Age

No age limit

##### Gender

Both

##### Phase

0

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **30**

##### Randomization (investigator's opinion)

Randomized

##### Randomization description

##### Blinding (investigator's opinion)

Single blinded  
**Blinding description**  
**Placebo**  
Used  
**Assignment**  
Parallel  
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethical committee of Isfahan University of Medical Sciences

##### Street address

" Isfahan University of Medical Sciences, Isfahan, Iran"

##### City

Isfahan

##### Postal code

#### Approval date

2010-08-20, 1389/05/29

#### Ethics committee reference number

83382

## Health conditions studied

### 1

#### Description of health condition studied

facial nerve palsy-Bell'palsy

#### ICD-10 code

G51.0

#### ICD-10 code description

Bell palsy

## Primary outcomes

### 1

#### Description

synkinesis

#### Timepoint

recording

#### Method of measurement

subjective

## Secondary outcomes

### 1

#### Description

deformity

#### Timepoint

befor and after treatment

#### Method of measurement

subjective

## Intervention groups

### 1

#### Description

biofeedback thrapy for one moth and then one ssession every week for 11 months usuall physiotherapy for one year

#### Category

Rehabilitation

### 2

#### Description

one year teratment (phyiotherapy)

#### Category

Rehabilitation

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Alzahra Hospital

##### Full name of responsible person

pourmomeny

##### Street address

Isfahan

##### City

Isfahan

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Reseach Center of Medical Sciences

##### Full name of responsible person

Adibi - staff of Reseach Center of Medical Sciences  
Isfahan

##### Street address

"Isfahan university of Medical Sciences"

##### City

Isfahan

#### Grant name

#### Grant code / Reference number

#### Is the source of funding the same sponsor organization/entity?

Yes

#### Title of funding source

Reseach Center 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**

"School of Rehabilitation Sciences, Isfahan University of Medical Sciences, Isfahan, Iran"

**Full name of responsible person**

pourmomeny

**Position**

instrctour

**Other areas of specialty/work**

**Street address**

School of Rehabilitation Sciences, Isfahan University of Medical Sciences, Isfahan, Iran

**City**

isfahan

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+7 922024

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pourmomeny@rehab.mui.ac.ir

**Web page address**

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**Name of organization / entity**

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**Full name of responsible person**

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**Web page address**

**Person responsible for updating data**

**Contact**

**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*