

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

EFFECTS OF OCULOGYRATION WITH NECK PROPRIOCEPTIVE NEUROMUSCULAR FACILITATION PATTERNS ON TRUNK STABILIZATION AND STANDING BALANCE IN SUBACUTE STROKE

Protocol summary

Study aim

To study the effects of oculogyration with neck proprioceptive neuromuscular facilitation patterns on trunk stabilization and standing balance in subacute stroke patients.

Design

Randomized Clinical Trial, Single Blind

Settings and conduct

Allied Hospital Faisalabad, Aziz Fatima Hospital Faisalabad and District Head Quarter (DHQ) Hospital Faisalabad.

Participants/Inclusion and exclusion criteria

Inclusion criteria includes patients with first stroke attack, patients with subacute stroke, Post stroke duration three to six months, Age between 40-65 years, Both male and female, patients with unilateral hemiplegia, patients without any visual disorder, Patients without any hearing disorder, patients with greater than fair strength of extensor and flexors muscles of neck, patients with greater than 3 points on functional ambulation classification, Patients with more than twenty-four points on mini mental state examination. Exclusion criteria includes patients with cognitive impairment, patients with half blindness and hemineglect, patients with Oculomotor nerve defect, Patients with any neurological degenerative disease and patient with any musculoskeletal impairment which affect standing balance.

Intervention groups

Group A will receive oculogyration (eye movement exercises) with neck proprioceptive neuromuscular facilitation patterns. Group B will receive oculogyration (eye movement exercises).

Main outcome variables

Trunk Stabilization Standing Balance

General information

Reason for update

Acronym

PNF (Proprioceptive Neuromuscular Facilitation)

IRCT registration information

IRCT registration number: **IRCT20230502058048N1**

Registration date: **2023-08-09, 1402/05/18**

Registration timing: **registered_while_recruiting**

Last update: **2023-08-09, 1402/05/18**

Update count: **0**

Registration date

2023-08-09, 1402/05/18

Registrant information

Name

Kainat Idrees

Name of organization / entity

The University of Faisalabad

Country

Pakistan

Phone

+92 41 8750971

Email address

2021-ms-pt-068@tuf.edu.pk

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-07-24, 1402/05/02

Expected recruitment end date

2023-09-30, 1402/07/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

EFFECTS OF OCULOGYRATION WITH NECK
PROPRIOCEPTIVE NEUROMUSCULAR FACILITATION
PATTERNS ON TRUNK STABILIZATION AND STANDING
BALANCE IN SUBACUTE STROKE

Public title

OCULOGYRATION WITH NECK PROPRIOCEPTIVE
NEUROMUSCULAR FACILITATION IN STROKE PATIENTS

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Patients with first ever stroke Patients with subacute
stroke Age between 40-65 years Both male and female
Patients with unilateral hemiplegia Patients without any
visual disorder Patients without any hearing disorder
Patients with greater than fair strength of extensor and
flexors muscles of neck Patients with greater than 3
points on functional ambulation classification Patients
with more than twenty-four points on mini mental state
examination

Exclusion criteria:

Patients with half blindness and hemineglect Patients
with Oculomotor nerve defect Patients with cognitive
impairment Patients with any neurological degenerative
disease Patient with any musculoskeletal impairment
which affect standing balance

Age

From **40 years** old to **65 years** old

Gender

Both

Phase

3

Groups that have been masked

- Participant

Sample size

Target sample size: **22**

Randomization (investigator's opinion)

Randomized

Randomization description

Lottery method

Blinding (investigator's opinion)

Single blinded

Blinding description

Participant will be keep blind to the treatment plan.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of The University of Faisalabad

Street address

west canal road, Faisalabad

City

Faisalabad

Postal code

37610

Approval date

2023-03-24, 1402/01/04

Ethics committee reference number

TUF/DR/SA/MSPP/2023/245

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

Stroke

ICD-10 code

169.4

ICD-10 code description

Stroke, subacute stroke

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

Trunk Stabilization

Timepoint

At baseline, after second week of intervention, after
fourth week of intervention, after sixth week of
intervention and after eight week of intervention.

Method of measurement

Trunk Impairment Scale

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

Standing Balance

Timepoint

At baseline, after second week of intervention, after
fourth week of intervention, after sixth week of
intervention and after eight week of intervention.

Method of measurement

Berg Balance Scale

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

Intervention group:

Category

Rehabilitation

marketing@afh.com.pk

Web page address<http://www.afh.com.pk/>**Recruitment centers****1****Recruitment center****Name of recruitment center**

Allied Hospital

Full name of responsible person

Kainat Idrees

Street addressJail Road adjacent to Faisalabad Medical University,
Near Sargodha Road, Faisalabad**City**

Faisalabad

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38800

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+92 41 9210082

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vcfmuf@gmail.com

Web page address<https://pmc.edu.pk/S-Result.aspx>**2****Recruitment center****Name of recruitment center**

District Head Quarter Hospital

Full name of responsible person

Kainat Idrees

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Mall Road, Faisalabad

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vcfmuf@gmail.com

Web page address<https://pmc.edu.pk/AboutUs.aspx>**3****Recruitment center****Name of recruitment center**

Aziz Fatimah Hospital

Full name of responsible person

Kainat Idrees

Street address

Gulistan Colony No: 1 Faisalabad

City

Faisalabad

Postal code

38000

Phone

+92 41 8780910

Email**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

The University of Faisalabad

Full name of responsible person

Kainat Idrees

Street addresshouse#116 B, Royal Villas, Lower Canal Road,
Faisalabad**City**

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kainatidrees066@gmail.com

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

Yes

Title of funding source

The University of Faisalabad

Proportion provided by this source

100

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

The University of Faisalabad

Full name of responsible person

Kainat Idrees

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Physiotherapy

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No further information

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

Study protocol Statistical analysis plan Informed Consent form Clinical study report

When the data will become available and for how long

After six months of publication

To whom data/document is available

To all the researchers and institutes

Under which criteria data/document could be used

Data will be shared for further clinical research.

From where data/document is obtainable

Data will be shared through email addresses.

What processes are involved for a request to access data/document

After the publication of research article

Comments