

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Effects of routine physical therapy with and without kinesio taping on postural control in spastic diaplegic Cerebral pasly children

Protocol summary

Study aim

To determine effects of routine physical therapy with and without kinesiology tapping on postural control in spastic diaplegic cerebral palsy in children

Design

Single blinded, parallel groups, Randomized controlled trial

Settings and conduct

Setting was University of Lahore teaching hospital, Lahore. Study was single blinded.

Participants/Inclusion and exclusion criteria

Inclusion Criteria • Diagnosed Spastic diplegic Cerebral Palsy in children • Both male and female • Age ranges from 2 to 8 years. • Classified in GMFCS LEVEL I-II • Spastic diplegic CP with kyphosis and sitting problem. • The muscle tone of lower limbs ranged according to the Modified Ashworth Scale (MAS) for grade 1 to +1. Exclusion Criteria • Hip dislocation, Kyphosis, Severe spasticity • Previous history of spinal or hip surgery • Botulinum toxin injection in the past 6 month • Previous history of hypersensitivity reaction to KT

Intervention groups

Group A received KT in addition to routine physical therapy Group B received only physical therapy.

Main outcome variables

Main variables were postural control in standing and sitting

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20191218045787N1**

Registration date: **2020-02-26, 1398/12/07**

Registration timing: **retrospective**

Last update: **2020-02-26, 1398/12/07**

Update count: **0**

Registration date

2020-02-26, 1398/12/07

Registrant information

Name

Zain ul abbas

Name of organization / entity

University of Lahore

Country

Pakistan

Phone

+92 56 3785097

Email address

zain.abbas@uipt.uol.edu.pk

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-07-23, 1398/05/01

Expected recruitment end date

2019-11-30, 1398/09/09

Actual recruitment start date

2019-07-26, 1398/05/04

Actual recruitment end date

2019-12-19, 1398/09/28

Trial completion date

2641-03-10, 2019/12/19

Scientific title

Effects of routine physical therapy with and without kinesio taping on postural control in spastic diaplegic Cerebral pasly children

Public title

Effects of routine physical therapy with and without kinesio taping on postural control in spastic diaplegic Cerebral pasly children

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Diagnosed Spastic diplegic Cerebral Palsy in children
Both male and female Age ranges from 2 to 8 years
Classified in GMFCS LEVEL I-II Spastic diplegic CP with
kyphosis and sitting problem. The muscle tone of lower
limbs ranged according to the Modified Ashworth Scale
(MAS) for grade 1 to +1.

Exclusion criteria:

Botulinum toxin injection in the past 6 month• Hip
dislocation, Kyphosis, Severe spasticity Previous history
of spinal or hip surgery Previous history of
hypersensitivity reaction to KT

Age

From **2 years** old to **8 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **60**

Actual sample size reached: **53**

Randomization (investigator's opinion)

Randomized

Randomization description

we allocated numbers to participants in advance and
then generated a table of random numbers based on
these numbers. Simple randomization was done with the
help of a random number table generated with excel.
The first number was allocated to group-A and the
second number was allocated to group-B and the same
pattern was followed for the rest of the study
participants for treatment allocation.

Blinding (investigator's opinion)

Single blinded

Blinding description

It was a single blinded study. The assessor was blinded .
while ensuring confidentiality. An initial assessment of all
patients was done by a trained physical therapist before
allocation who was not allowed any access to allocation
process and treatment. The treatment plan for both
groups was executed by the researcher himself. post trial
assessment was performed by a physiotherapist having
more than 5 years of experience in clinical field.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Institutional review board Faculty of Allied health
sciences

Street address

1-km defence road Lahore

City

Lahore

Postal code

54000

Approval date

2019-04-26, 1398/02/06

Ethics committee reference number

IRB-UOL-FAHS/522/2019

Health conditions studied

1

Description of health condition studied

Cerebral Palsy

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Postural control in standing and sitting

Timepoint

At baseline, at 3rd week, at 6th week, 9th week and 12th
week

Method of measurement

Gross motor function classification system

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:

Category

Rehabilitation

2

Description

Control group:

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

University of Lahore teaching hospital

Full name of responsible person

Dr Wardah Raoof

Street address

1-Km Defence road Lahore

City

Lahore

Postal code

54000

Phone

+92 42 32560865

Email

wardah.rauf@uipt.uol.edu.pk

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

The University of Lahore

Full name of responsible person

Prof Dr. Ashfaq Ahmad

Street address

1-km defence road lahore

City

Lahore

Postal code

54000

Phone

+92 42 32300865

Email

ashfaq.ahmad@uipt.uol.edu.pk

Grant name

Grant code / Reference number

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

Yes

Title of funding source

The University of Lahore

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

University of Lahore

Full name of responsible person

Zain UI Abbas

Position

Lecturer

Latest degree

Bachelor

Other areas of specialty/work

Physiotherapy

Street address

56A, Jafria Colony, Bund Road, Lahore

City

Lahore

Province

Punjab

Postal code

54000

Phone

+92 56 3785097

Fax

Email

zain.abbas@uipt.uol.edu.pk

Person responsible for scientific inquiries

Contact

Name of organization / entity

University of Lahore

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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

There is no further information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available