Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Comparison of Semont and Epley's maneuver in Patients with benign paroxysmal positional vertigo

Protocol summary

Study aim

To compare the effects of Semont and Epley's maneuver in patients with Benign Paroxysmal Positional Vertigo (BPPV) using Patient Specific functional scale and Activity based Confidence (ABC) scale

Design

Randomized Control Trial RCT, Single blind study Study groups: Epley's and Semont group Phase: N.A Sample size : 24 Randomization: In this study simple random sampling technique is used by sealed envelop method by using a computerized random number generator. The study is single blinded as participants is not aware of the intervention group they are placed in. Study center: Single center study

Settings and conduct

Health care unit in Islamabad (ENT department) In this study simple random sampling technique is used by sealed envelop method by using a computerized random number generator. The study is single blinded as participants is not aware of the intervention group they are placed in.

Participants/Inclusion and exclusion criteria

Inclusion criteria: • Diagnosed Benign paroxysmal positional vertigo • Patients with recurrent rotatory vertigo attacks proceeded by rapid and/or gravity-dependent head movements • Patients with active daily life activities between ages 20 to 65 years • Patients having positional dizziness Exclusion criteria: • Patients who have any neuromuscular comorbidity • Patients on any kind of drug or sedative during study • Patients with epilepsy or on epileptic drugs • Patient with highly impaired vision • Bilateral Benign paroxysmal positional vertigo

Intervention groups

There are 2 groups . 1. Epley's Group 2. Semont Group

Main outcome variables

1. Patient specific functional scale to evaluate functional scale 2. Activity based confidence scale to evaluate confidence level

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20211022052835N1**
Registration date: **2021-12-01, 1400/09/10**
Registration timing: **retrospective**

Last update: **2021-12-01, 1400/09/10**
Update count: **0**

Registration date

2021-12-01, 1400/09/10

Registrant information

Name

Fouzia Batool

Name of organization / entity

Shifa Tameer-e-Millat University

Country

Pakistan

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+92 51 8441752

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-04-05, 1400/01/16

Expected recruitment end date

2021-07-01, 1400/04/10

Actual recruitment start date

2021-04-14, 1400/01/25

Actual recruitment end date

2021-08-08, 1400/05/17

Trial completion date

2021-08-08, 1400/05/17

Scientific title
Comparison of Semont and Epley's maneuver in Patients with benign paroxysmal positional vertigo

Public title
Comparison of Semont and Epley's maneuver in vertigo

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Diagnosed Benign paroxysmal positional vertigo Patients with active daily life Activities between ages 25 to 65 years Patients having positional dizziness Patients with recurrent rotatory vertigo attacks proceeded by rapid and/or gravity-dependent head movements

Exclusion criteria:
Patients who have any neuromuscular comorbidity Patients on any kind of drug or sedative during study Patients with epilepsy or on epileptic drugs Patient with highly impaired vision Bilateral Benign paroxysmal positional vertigo

Age
From **25 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked

- Participant

Sample size
Target sample size: **56**
Actual sample size reached: **25**

Randomization (investigator's opinion)
Randomized

Randomization description
In this study simple random sampling technique is used by sealed envelop method by using a computerized random number generator. The sequence of random allocation is done by an individual who has not directly involved in the study. Random numbers is written on index cards and placed in thick and opaque sealed envelops before the study. After taking consent from the patient for their participation in the study, the therapist opens the envelop and give the respective treatments to the patients . The study is single blinded as participants is not aware of the intervention group they are placed in.

Blinding (investigator's opinion)
Single blinded

Blinding description
Participants are single blinded as they don't know which treatment plan or intervention is given to them.

Placebo
Not used

Assignment
Parallel

Other design features
N/A

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Institutional review board and ethical committee shifa tameer-e-millat and shifa international hospi

Street address
Pitras Bukhari Road, Shifa international hospital Ltd. sector h-8/4 Islamabad

City
Islamabad

Postal code
44790

Approval date
2021-04-01, 1400/01/12

Ethics committee reference number
IRB#08-21

Health conditions studied

1

Description of health condition studied
Benign paroxysmal positional vertigo is a spinning sensation in head that leads to vertigo and dizziness. it can be treated with rehabilitative techniques and positioning maneuvers.

ICD-10 code
H81.10

ICD-10 code description
Benign paroxysmal positional vertigo, unspecified ear

Primary outcomes

1

Description
To compare the effects of Semont and Epley’s maneuver in patients with BPPV using Patient Specific functional scale and Activity based Confidence scale

Timepoint
Single session, before and after treatment

Method of measurement
Patient specific functional scale and Activity based confidence scale

Secondary outcomes

1

Description
To determine the effects of Semont and Epley’s maneuver in patients with BPPV using Patient Specific functional scale and Activity based confidence scale

Timepoint
Single session, before and after treatment

Method of measurement
Patient specific functional scale and Activity based confidence scale

Intervention groups

1

Description
Intervention group1 : Epley's Group is given Epley's maneuver has sequential movement of the head into four positions staying in each position for roughly 30 seconds. It includes supine lying, 45 degree head rotation, head extension , head rotation and then sitting. It is intended to move debris or "ear otoconia" out of the sensitive part of the ear (posterior canal) to a less sensitive location. It is also sometimes called the "canalith repositioning maneuver".

Category
Rehabilitation

2

Description
Intervention group 2: Semont Group is given Semont maneuver in which patient sit on the edge of bed. First patient head is turned 45 degrees to the right and then quickly lie down him on left side. This position is maintained for 30 seconds. And then the patient is quickly move to lie down on the opposite end of the bed. After that return him slowly to sitting and wait a few minutes.

Category
Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center
Pakistan Atomic energy commision (PAEC) General hospital

Full name of responsible person
Shiza Rizwan

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M238+2JC ,H-11/4Islamabad .

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shifa Tameer-e-Millat University

Full name of responsible person
Fouzia Batool

Street address
Pitras Bukhari Road, Shifa Tameer-e-Millat University, H-8/4, Islamabad

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
No

Title of funding source
Shifa Tameer-e-Millat University

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
Shifa Tameer-e-Millat University

Full name of responsible person
Fouzia Batool

Position
Assistant Professor

Latest degree
Master

Other areas of specialty/work
Physiotherapy

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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Full name of responsible person
Shiza Rizwan

Position
Student

Latest degree
Master

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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
There is 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
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
Not applicable

Data Dictionary
Not applicable

Title and more details about the data/document
Comparison of Semont and Epley's maneuver in patients with benign paroxysmal positional vertigo

When the data will become available and for how long
Data will not be available

To whom data/document is available
There is no such plan

Under which criteria data/document could be used
There is no such plan

From where data/document is obtainable
shizarizwan2@gmail.com

What processes are involved for a request to access data/document
Applicant can apply through email for any help or detail of the study and responses will be provided through email in a day or twice.

Comments