Effects of Vestibular Training on Postural Control of Healthy Adults Using Virtual Reality

NCT05941039

Status	RECRUITING
Phase	Not Applicable
Sponsor	Clarkson University
Enrollment	30 participants

Key Eligibility Criteria

Inclusion (5)

- Able to stand independently (without an assistive device)
- This study requires participants to perform postural assessments including reactive balance following mechanical perturbations.
- Participants will also perform headshake activities and weight shift training in standing for 20 mins will mini breaks.
- Participants must be within the age of 18-35.
- A power analysis revealed that a sample of 24 participants will required for a two-group comparison to detect a significant difference at alpha=0.05 and 0.30 effect size at beta=0.8 (G*Power, Version 3.0.10)(Faul et al, 2007).

Exclusion (8)

- Participants with an evidence of:
- Concussion, vestibular, balance or oculomotor issues for the prior 6 months.
- Neuropathic conditions, particularly affecting the lower extremities. Participants with this issue will have sensory impairments which can affect their sensory assessment.
- Current musculoskeletal deficits including significant postural abnormalities (signs of spinal, pelvic and leg length discrepancies).
- Pain or limitations in neck range of motion.

... and 3 more (see full listing online)

Locations (1 total)

Clarkson University, Potsdam, New York, United States