

ANNUAL CONGRESS ON
BIOMEDICAL AND BIO INSTRUMENTATION

May 27, 2022 | Webinar

Accepted Date: 21-04-2022 | Accepted Date: 25-04- 2022 | Published date: 30-06-2022

Verti GO 3D virtual reality device to fix BPPV

S Vinoth

Mahendra College of Engineering, India

Vertigo in recent days has become common in people who experience spinning sensation when they change the position of head rapidly. Benign Proximal Positional Vertigo is major cause of vertigo in people, this is the defect that arise from the inner ear. More than 20 million people suffering from Vertigo around the world, most cases were recorded in South Asian countries and United States, this needs special attention as it is difficult to walk and impossible to drive. 3D virtual device could reduce the frequency of vertigo occurrences. On performing the exercise in regular basis occurrence of vertigo can be avoided, this reduces the number visit to clinician's place. Physicians treat this with a set of exercise such as Epley Maneuver or Brandt – Daroff. This requires patient to travel to the clinician often and it takes more concentration to do this exercise. To make this exercise simple and easy to be executed we design a virtual device. This device would assist the patient to perform the exercise themselves comfortably on their living room all alone. It comprises of a Virtual reality eye piece and a display; this would make the patient more comfortable to perform the exercise without any support or physical guidance.

Biography

S Vinoth having a wonderful experience with biologics a company that produces BPPV devices already, I have used to work with many innovative products in both diagnosis and therapeutic. Completing his masters in Optoelectronics and laser technology and then on continued to work as a teaching faculty in couple of renowned institutions and currently working at mahendra college of engineering, located in Salem, Tamilnadu. India

vinothselvamani@gmail.com