

Effectiveness of IVR Combined With Task-Specific Training on Hemiplegic Arm Function Following Stroke

Status: RECRUITING

Eligibility Criteria

Age: 18 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* Age 18 or older. * Diagnosed as having an ischemic or hemorrhagic stroke (with documented confirmatory neuroimaging in the medical record) that occurred at least 6-months prior to study enrollment. * Lack of full active range of motion in the involved shoulder, elbow, and wrist as the result of the injury. * At the time of study enrollment, participant completed structured therapeutic interventions at least 2-months prior. * Participants will not participate in Yoga, Tai-Chi, or other wellness lifestyle classes while participating in the study. * Absence of significant cognitive impairment as determined by a Mini-Mental Status Examination score of greater than or equal to 24. * The absence of upper extremity injury limiting functional use of the arm prior to the incident stroke.

Exclusion Criteria:

* Unable to provide informed consent. * Sensory loss as determined by a score of 2 on the sensory item of the NIH Stroke Scale. * Pain in the involved upper limb that could interfere with daily activities as evidenced by a pain score of 5 or greater on the Numeric Pain Rating Scale. * History of greater than two strokes. * Suffered a stroke less than 6-months prior to participating in the study. * A history of, or being susceptible to, cyber-sickness (i.e., motion sickness). * Unable to don/doff accelerometer independently, or the lack of support in the home to assist with donning/doffing device; and * A history of seizures.

Conditions & Interventions

Interventions:

PROCEDURE: VR immersive therapy

Conditions:

Stroke

More Information

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Principal Investigator:

Phase: NA

IRB

Number:

System ID: NCT05728866

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