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## Effcacy of virtual reality in upper limb rehabilitation in persons with spinal cord injury: A pilot randomized controlled trial

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Ba	:	e use of virtual reality has gained importance in the rehabilitation sector over the last few years.	e Nintendo Wii
Fit has t	he pote	ntial to encourage upper limb function while participating in an interesting and engaging activity, wh	ich is important
in long-	term in	terventions, such as spinal cord injury. Wii is very exible with regard to the movements that are ne	eded to play the
game, o	ering	the opportunity for a patient to work on the a ected upper limb with reasonable success, bene ting	from the visual
feedbac	k that t	he console o ers. Hence, the present study is designed to $$ nd out the e $$ ectiveness of Wii Fit rehabil	itation in upper
limb fui	nctionir	ng in SCI.	

**Ob** : To determine the e ectiveness of virtual reality (using Wii Fit) and to compare the e cacy of virtual reality intervention (using Wii Fit) along with conventional occupational therapy with conventional occupational therapy alone in improving upper limb function in spinal cord injury.

M : 24 patients with spinal cord injury (quadriplegia), were treated over a period of 1 month in weekly 30-minute sessions.

R : Motor-skill improvements were observed.

C : Virtual reality Wii gaming system is feasible, promotes motor recovery a er spinal cord injury, increases patient motivation and enriches the treatment.

## **Biography**

Somya Prasad is a Post-graduate student pursuing Master's in Occupational Therapy with Specialization in Neurology from Indian Spinal Injuries Centre, New Delhi. India.

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