

عنوان مقاله:

Relationship Between Occupational Therapy Interventions and Role of Neuro-Imaging in People with Brain Injuries: A Case Report

محل انتشار:

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خلاصه مقاله:

Introduction: In patients with brain injuries, the damaged anatomical areas are widespread and based on it might underlie many of the clinical symptoms. Occupational therapists use varied forms of intervention to address physical, psychological, and maximize occupational performance for this people. Although most patients with brain damage that enter a rehabilitation treatment program such as occupational therapy have had either a computed tomography (CT) or magnetic resonance imaging (MRI) scan, the utilization of neuro-imaging in rehabilitation has been limited. The purpose of this study was to highlight the utility of neuro-imaging to facilitate patients engagement in occupation based interventions and discusses challenges and implications of neuro-imaging into occupational therapy interventions. **Case introduction:** In this study, two people with a brain tumor in the cerebellum after removing of the tumor, based on tumor s location on a CT scan or MRI, with an occupation based approach in 10 sessions and during five weeks were treated by a qualified therapist. Each session lasted 45 minutes. Patients before and after 10 session, was assessed for important their occupations and other clinical signs. The results of the comparison between evaluations before and after interventions showed significant improvements in all items under investigation. **Conclusion:** In this article was concluded that neuro-imaging have significant potential to increase understanding of the mechanisms of unhealthy brain following brain injuries and utility of neuro-imaging in goal setting and therapeutic planning can increase the therapeutic effects of occupational therapy interventions.

کلمات کلیدی:

Neuro-Imaging, Occupational Therapy, Brain Injury, Intervention

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