

Clinical Profiles and Outcomes of Patients with Neurological Diseases Treated with Stem Cell Therapy: A Single-Center Experience in the Philippines

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Abstract

Background: Neurologic disorders such as Parkinson's disease, Alzheimer's, disease amyotrophic lateral sclerosis, multiple sclerosis, stroke, and spinal cord injury are caused by a neurodegenerative or neurologic cell injury processes. Stem cells offer the possibility of a renewable source of replacement cells and tissues as a form of innovative treatment in neuroregenerative medicine.

Objectives: This study aims to evaluate the clinical profile and outcomes of cellular therapy given to patients with neurologic disorders that will provide information with regards to the paucity of local data in stem cell therapy.

Methods: A retrospective review of the medical records of patients who underwent and completed cellular therapy were studied according to their clinical profiles and outcome in terms of functional status, subjective effects, and quality of life after the cellular therapy.

Results: Among the 48 neurologic cases enrolled, only 29 have completed and were included in the study. Majority of the patients treated are under neurodegenerative diseases like Parkinson's disease and Alzheimer's disease. Most patients are of the aging population. Clinical outcomes show that functional status of pre and post treatment has no significant difference, however there are subjective reports of improvements among the disease categories on post-treatment. No significant adverse effects noted.

Conclusion: Cellular therapy is a regenerative treatment that is available and feasible locally in our country. Cellular therapy may provide some improvement with regards to the signs and symptoms and impact the quality of life in patients with neurological disorders.



Biography:

Genica Maylem is a Neurology Resident in The Medical City, a JCI-accredited, tertiary hospital in the Philippines

Speaker Publications:

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