

## **Deep brain stimulation in parkinson`s disease and x-linked dystonia-impact on quality of life: a descriptive study**

**D. Arjay, C. Diesta**

*Departement of Neurosciences, Section of Neurology, Makati Medical Center, Philippines*

Deep brain stimulation has been recently introduced in the Philippines as a procedure to control or alleviate symptoms of movement disorders such as X-linked Dystonia and Parkinson's Disease. In our institution, a total of 11 patients (X-linked Dystonia and Parkinson's disease) have been granted and are being followed up for their neurostimulators. This study describes the quality of life of these patients after deep brain stimulation in terms of physical and psychosocial domains. It was limited to the patients who have active neurostimulator. Sickness index profile (SIP), a 136 item questionnaire, was used. Seven patients consented to be part of the study, 2 of whom are PD patients and 5 are XDP patients. The mean sickness index score obtained was 38.85 (28%) with more impairment of psychosocial functions. Adapting a validated cut - off score (SIP score of 33 +/- 13) from Volkmann et al, our results translates a poor quality of life among these patients.