

Botulinum A Toxin Injection in Two Filipino Brothers with X-linked Dystonia-Parkinsonism (XDP) in Cebu City, Philippines: A Case Report

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Abstract : Objectives: To present a case of two Filipino male siblings initially seen with parkinsonism and eventually with dystonia and to present botulinum A toxin as part of the treatment for X-linked dystonia parkinsonism in Cebu City. Discussion: A 54 year old man presented initially with parkinsonian symptoms and later developed oromandibular and truncal dystonia. Further history revealed that he had an older brother who also presented with the same symptoms. Neuroimaging done on both patients revealed CVD infarcts in the pons and corona radiata respectively which were not compatible with their symptoms. Family history revealed that their mother was originally from Panay and a diagnosis of X-linked dystonia parkinsonism (XDP) was made. Both patients were able to receive botulinum A toxin injections which provided temporary relief of symptoms. Conclusion: XDP was considered in 2 Filipino male siblings who presented with oromandibular dystonia, truncal dystonia, shuffling gait, resting tremors with ancestry from Panay on the maternal side. There is no cure for XDP, only symptomatic treatment. Until recently, only oral chemotherapy was available in Cebu. Botulinum A toxin injection done in both patients afforded temporary resolution of symptoms.

Keywords : XDP, dystonia of Panay, lubag, dystonia parkinsonism, botulinum a toxin

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