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Multifocal Motor Neuropathy Case Report

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Abstract

We report a case of a 51-year old Filipino female with multifocal motor neuropathy who presented with chronic weakness of the left foot which without any sensory deficits. With the history chronic progressive weakness, lack of sensory deficits, confirmatory by biochemical workups and diagnostics: an elevated ganglioside GM1 antibody test which revealed a titer of 1:12800, electromyography and nerve conduction confirmed the diagnosis of multifocal motor neuropathy. Treatment of intravenous immunoglobulin with a dose of 2g/kg over 2-5 days was initiated and repeated every 2 months with noticeable improvement.Multifocal motor neuropathy is a rare disorder which has a prevalence of 0.6 per 100,000 individuals. It is seen in more in males with a ratio of 2.7:1. It is described as a pure motor disease without sensory deficits which is predominantly seen in the upper extremities.7 The diagnosis for the disorder is supported by determination of ganglioside GM1 antibodies, electromyography and nerve conduction velocity study (EMG-NCV).

Biography:

Gabriel Alejandro B. Baroque has completed his MD at the age of 28 from the University of Santo Tomas in Manila, Philippines. He is currently a Neurology resident in the same institution. He has been guided by Dr. Alejandro C. Baroque II and Dr. Imelda S. David, both esteemed professors and practicing in the fields of Neurology and Psychiatry.

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