

## **Deep Brain Stimulation For Movement Disorders: The Hospital Univ. Science Malaysia (HUSM) Experience**

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Deep Brain Stimulation (DBS) has emerged as an effective treatment method for patients suffering from Idiopathic Parkinsons Disease. Its use has also been extended to other movement disorders such as essential tremors, dystonia and Tourettes Syndrome with favourable results. Hospital Universiti Sains Malaysia (HUSM) is among the first tertiary government centre in the country that initiated the treatment of deep brain stimulation for patients with movement disorders. To date a total of 14 cases have been performed successfully in our centre (7 IPD, 3 dystonia and 2 TS). Good clinical response was observed in IPD patients after DBS, whereas variable clinical benefit was observed in patients with dystonia and Tourette's syndrome. Three patients developed some post- operative surgical complications ranging from intracranial hemorrhage, skin seroma and delayed infection requiring salvaged radiofrequency ablative procedure. The DBS procedures for various type of movement disorders in selected patients may offer a significant clinical benefit. Strict selection criteria and meticulous surgical planning and procedure would ensure an optimum surgical outcome and minimize surgical complications.