

unimpaired – just the description for the person everybody in the State has been looking for, but a task which is proving easier said than done. Where might is right, words seemed to have lost it's beauty and usefulness, and yet it would augur well for everyone to remember that power- real power, does not flow from the barrel of a gun- it flows from the human mind which made the guns, and the knowledge that made everyone capable of wielding one.

Mandela had lived an example for us to improve upon. It is up to us to grow or rot in self-denial. We need to break out of our comfort zone and put in efforts to keep pace with the rapidly changing times. Holding on to archaic beliefs and irrelevant methods for fear of change will prove to be our own worst undoing. Nobody can afford to live the life of an ascetic, nor should we aspire to be.

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Introduction

Parkinson's disease (PD) is a progressive disorder of the nervous system that generally affects overall body movements in people over 60 years of age, occurring a decade earlier in familial cases. It usually begins with symptoms which are barely noticeable like tremors in hands or inability to execute simple coordinated movements like signing or eating food, face may show little or no expression, or arms may not swing while walking and soft or slurred speech. These symptoms may be enough to diagnose PD by an expert neurologist / or a neurosurgeon performing DBS surgeries. Patients affected by advance state Parkinson's demonstrates varying degrees of stiffness of body, slowness or difficulty in initiating movements or freezing.

What causes PD?

In Parkinson's disease, loss of dopamine-producing cells leads to excessive and abnormally patterned activity in both the Globus pallidus interna (GPi) and the subthalamic nucleus (STN). This is evident by the fact that

with the progression of medications can produce disabling side effects. Patients on long-term levodopa develop troublesome dyskinesias, excessive movements that can cause the limbs and body to jerk or jump. In addition, their levodopa no longer lasts as long as it once did. This may result in "on-off fluctuations," a condition in which the ability to move changes unpredictably between mobile ("on"), state of immobility ("off") state with little effect of medication. Apparent and normal movements become very difficult. Once on & off sets in, medical relief from symptoms become unpredictable. When patients no longer have an acceptable quality of life, surgery should be considered.

How to treat with DBS ?

In deep brain stimulation, surgeons implant electrodes in a specific part of your brain. The electrodes are connected to a generator implanted in your chest that sends electrical pulses to your brain and may reduce symptoms of Parkinson's disease.