







## 뇌심부 자극기(Deep Brain Stimulator)

## **Neurological Movement Disorder** <u>발병 원인</u> 운동기능을 담당하는 뇌심부 구조물(substantia nigra) 에 존재하는 억제성 신경세포(inhibitory neuron)의 소실로 인하여 연접한 신경망의 over-activities 발생 → Movement Disorders 0;7 <u>종류 및 증상</u> Parietal Lobe Caudal Rostral substantia nigra • Parkinson's Disease Cingulate Gyrus Tremore at rest state lower shaking frequency Corpus Callo Frontal Lobe Caudate N. Septum Fornix Ceases during purposeful movement Occipital • Essential Tremor (본태성 진전) Lobe Thalamus V.3 Tremore during movement Superior Colliculus Inferior Colliculus Thalamus Higher shaking frequency Hypothalamus Raphe Cerebellar Cortex • Dyskinesia (이상운동증) litary Ma am. Body erebellar Peduncles Power Impairment of voluntary movement V.4 • Dystonia (근긴장이상증) Locus cerule Disordered tonicity of muscles eticular Formatio Ventral (Inferior)



























