

DBS

Deep brain stimulation (DBS) has provided remarkable benefits for people with a variety of neurologic conditions. stimulation of the ventral intermediate nucleus of the thalamus can dramatically relieve tremor associated with essential tremor or Parkinson disease(PD).similarly stimulation of the sub thalamic nucleus or the internal segment of the global pallid us can substantially reduce bradykinesia,rigidity,tremor,and gait difficulties in people with PD.multiple groups are attempting to extend this mode of treatment to other conditions. Yet ,the precise mechanism of action of DBS remains uncertain. Such studies have important that extends beyond clinical therapeutics .Investigation of the mechanism of action od DBS have the potential to clarify fundamental issues such as the functional anatomy selected brain circuits and the relationship between activity in those circuits and behavior .Although we review relevant clinical issues ,we emphasize the important of current and future investigations on these topics.