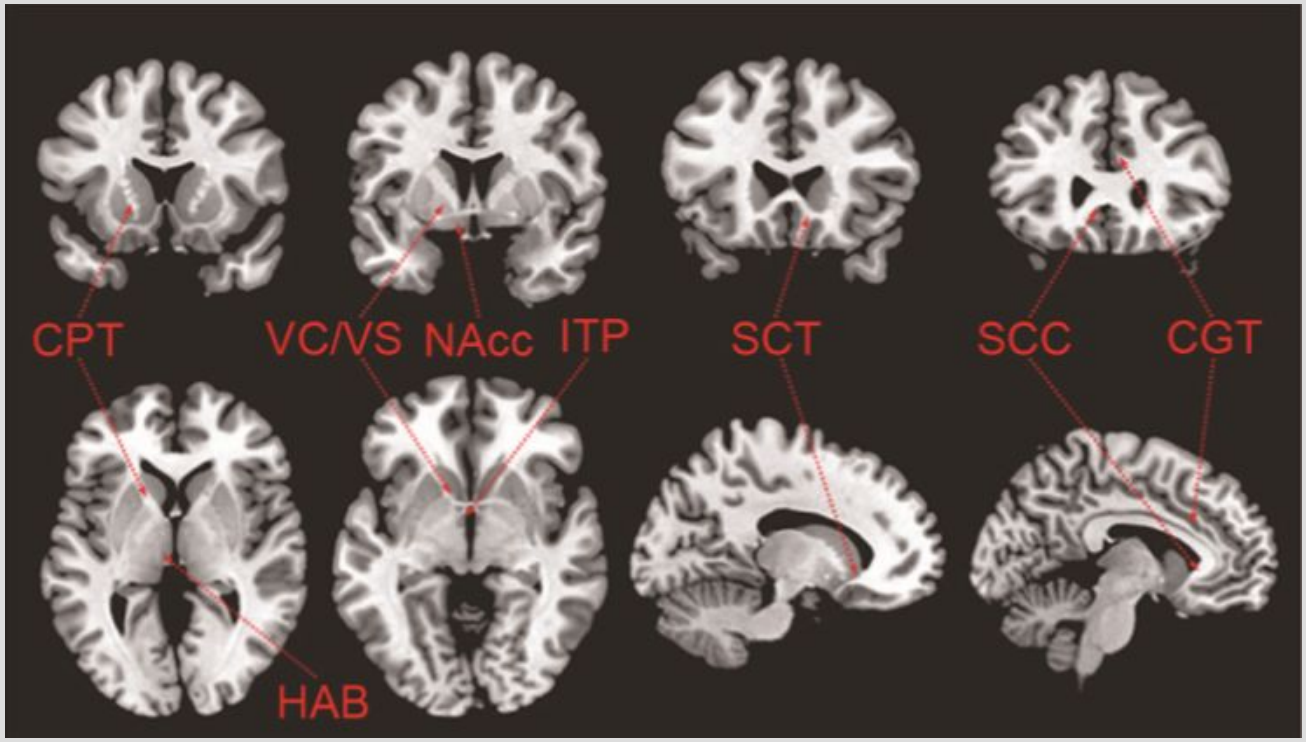
DEEP BRAIN STIMULATION

Contents:

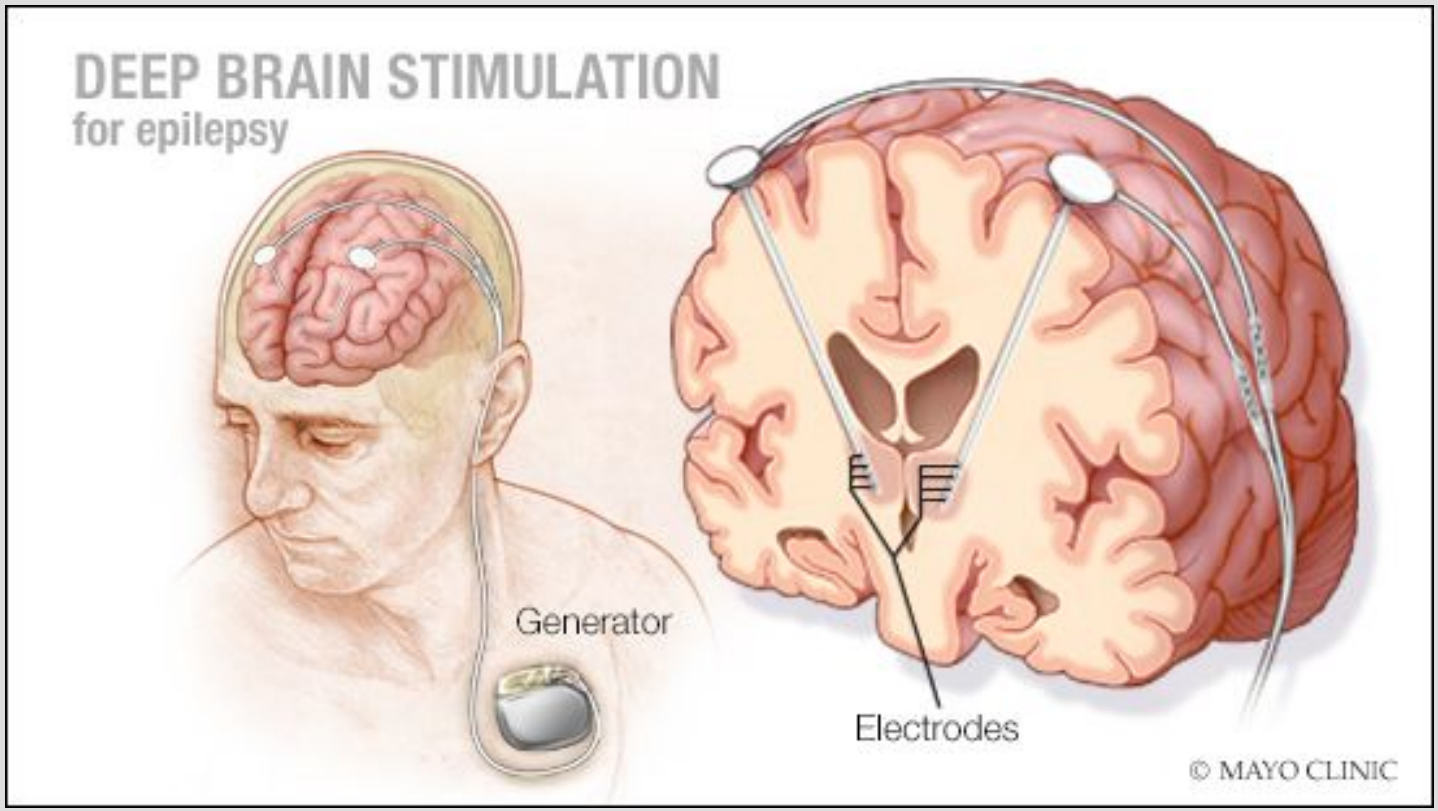
-Mechanisms
-DBS methods
-Side effects and prognosis

Mechanisms

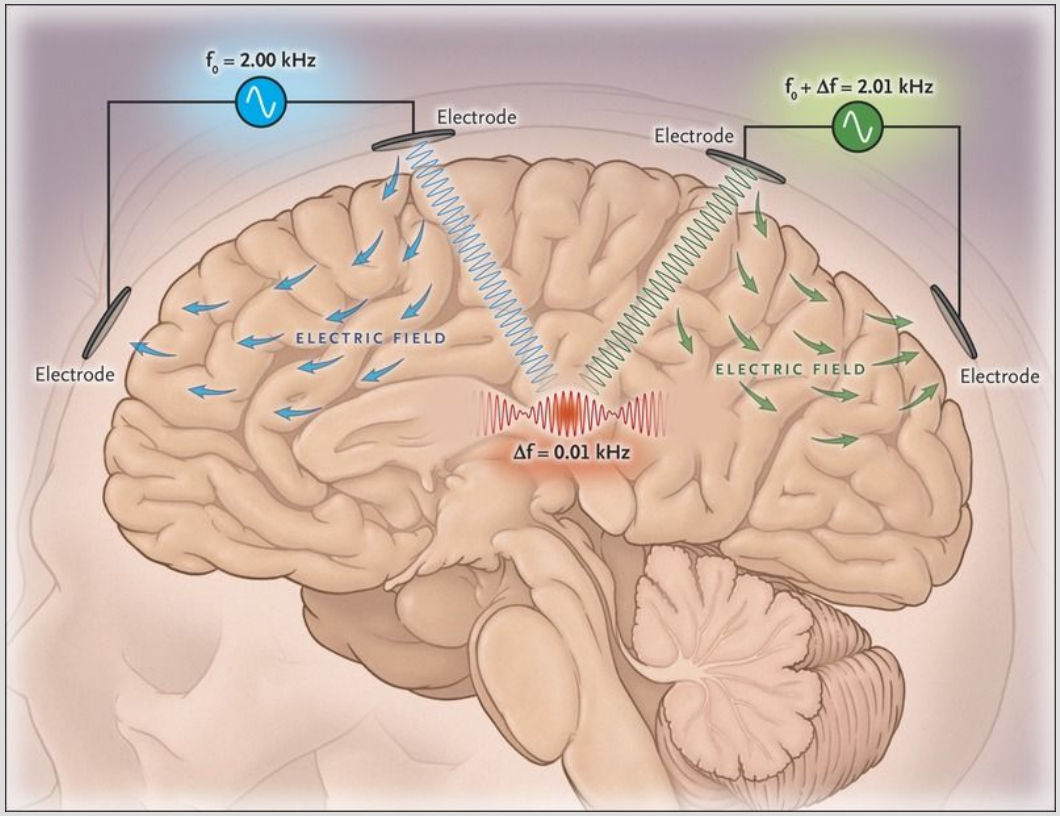
- Functional tissue damage
- Specific target is required

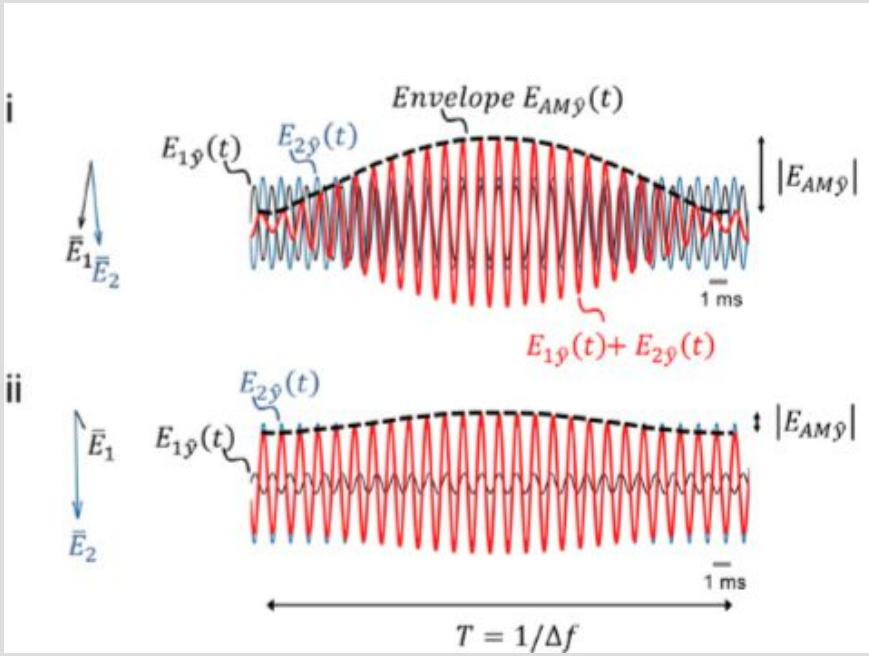


Invasive DBS method



Non-invasive DBS method





Side effects and prognosis

- Accute side effects of surgery
- Psychological effects
- Stimulation-related effects
- Positive prognosis

Summary:

-two methods exist

-side effects are timid

- mechanisms not fully understood

References

- Advanced research on deep brain stimulation in treating mental disorders (Review) EXPERIMENTAL AND THERAPEUTIC MEDICINE 15: 3-12, 2018
- Noninvasive Deep Brain Stimulation via Temporally Interfering Electric Fields Cell magazine June 1 2017
- Five-Year Outcomes of Bilateral Subthalamic Nucleus Stimulation in Japanese Patients with Parkinson's Disease May 2015 in SciRes