

Implantable Neurostimulation Devices: Modulating Neural Activity in Deep Brain and Spinal Cord Stimulation

Maryam Ahmadi*

Department of Oral and Maxillofacial Surgery, Tabriz University of Medical Sciences, Iran

Abstract

Neurostimulation implants have emerged as a groundbreaking technology for modulating neural activity in various medical conditions. This paper explores the mechanisms and applications of implantable neurostimulation devices, focusing on deep brain stimulation (DBS) and spinal cord stimulation (SCS). DBS involves the placement of electrodes

SCS targets the spinal cord to manage neuropathic Reviewed: 18-May-2024, QC No: jmis-24-138579; Revised: 22-May-2024, Manuscript

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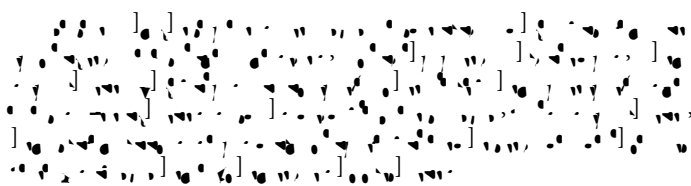
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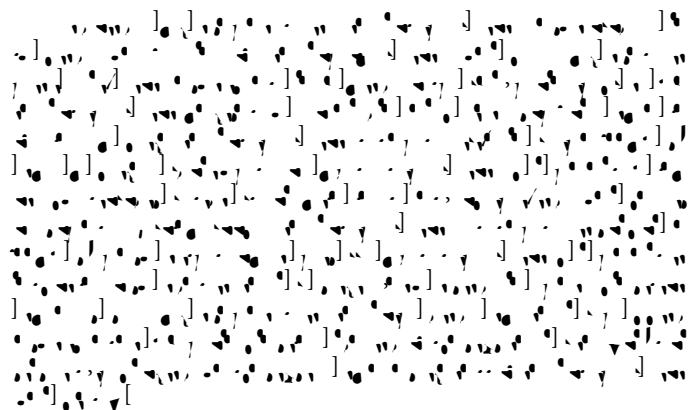
A Implantable neurostimulation device placement in the deep brain region.



B Implantable neurostimulation device placement in the spinal cord region.

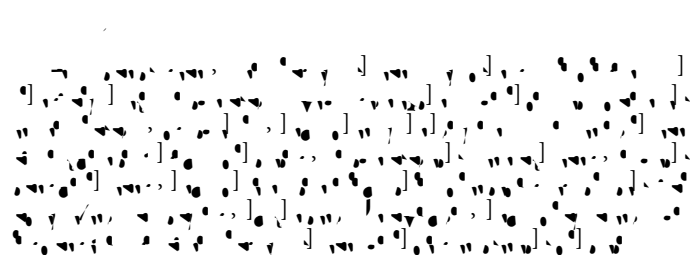
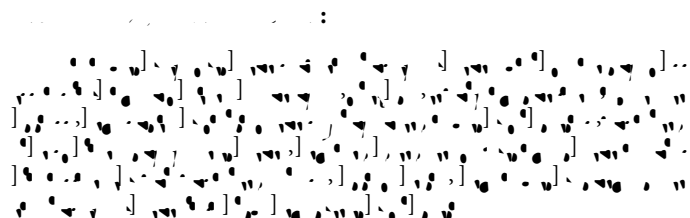
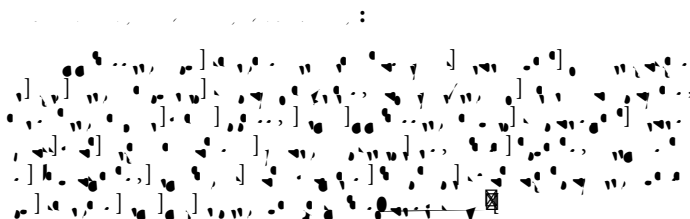
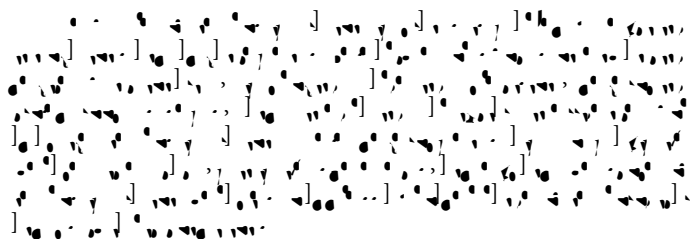


C Implantable neurostimulation device placement in the deep brain region, viewed from a different angle.



D Implantable neurostimulation device placement in the deep brain region, viewed from a different angle, with a legend for anatomical structures.

E Implantable neurostimulation device placement in the deep brain region, viewed from a different angle, with a legend for anatomical structures.



A



References

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