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Technology Landscape, Trends and Opportunities in the Global Neuroprosthetic Market

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Abstracts

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The technologies in neuroprosthetic has undergone significant change in recent years, with cochlear implant based neuroprosthetic t%li%spinal cord stimulation based neuroprosthetic. The rising wave of new technologies such as vagus nerve stimulation and spinal cord stimulation technology are creating significant potential for advanced neuroprosthetic devices in various medical platforms due t%li%its benefits of reduction in the frequency of seizures and/or less medication with anti-seizure drugs.

In neuroprosthetic market, various technologies such as deep brain stimulation, vagus nerve stimulation, spinal cord stimulation, sacral nerve stimulation technologies are used in the motor neuron disorders, physiological disorders, and cognitive disorders applications. Increasing prevalence of neurological diseases such as traumatic brain injury, stroke, Parkinson’s disease, rise in geriatric population, and increase in healthcare expenditure are creating new opportunities for various neuroprosthetic technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the neuroprosthetic market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global neuroprosthetic technology by application, technology, and region as follows:

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Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology

Trends and Forecasts by Technology Type [$M shipment analysis from 2018 t%li%2030]:

- Deep Brain Stimulation
- Vagus Nerve Stimulation
- Spinal Cord Stimulation
- Sacral Nerve Stimulation

Technology Trends and Forecasts by Application [$M shipment analysis from 2018 t%li%2030]:

- Motor Neuron Disorders
- Deep Brain Stimulation
- Vagus Nerve Stimulation
- Spinal Cord Stimulation
- Sacral Nerve Stimulation
- Physiological Disorders
- Deep Brain Stimulation
- Vagus Nerve Stimulation
- Spinal Cord Stimulation

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Sacral Nerve Stimulation

Cognitive Disorders

Deep Brain Stimulation

Vagus Nerve Stimulation

Spinal Cord Stimulation

Sacral Nerve Stimulation

Technology Trends and Forecasts by Region [$M shipment analysis for 2018 t%li%2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

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South Korea

India

The Rest of the World

Latest Developments and Innovations in the Neuroprosthetic Technologies

Companies/ Ecosystems

Strategic Opportunities by Technology Type

Some of the neuroprosthetic companies profiled in this report include Medtronic, Boston Scientific, and Cyberonics.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the neuroprosthetic market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in neuroprosthetic market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats t%li%these technologies in neuroprosthetic market?

Q.6 What are the latest developments in neuroprosthetic technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Wh%li%are the major players in this neuroprosthetic market? What strategic initiatives are being implemented by key players for business growth?

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Q.9 What are the strategic growth opportunities in this neuroprosthetic technology space?

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