

Global Nerve Repair and Regeneration Market: Market Segments: By Product (Neurostimulation and Neuromodulation Devices, Biomaterials); By Application (Neurostimulation and Neuromodulation Surgeries, Diagnostics, Neurorrhaphy, Nerve Grafting and Stem Cell Therapy); By End User (Hospitals, Ambulatory Surgical Centers and Clinics); and Region – Analysis of Market Size, Share & Trends for 2014 – 2019 and Forecasts to 2030

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Abstracts

Product Overview

Intricate and fragile spinal cord, peripheral nerves, and brain structures make the nervous system vulnerable to different forms of injuries. This results in illnesses that are neurodegenerative and causing devastating physical disabilities. The machines for nerve repair and regeneration help to facilitate the regeneration of peripheral nerves. Nervous system repair and regeneration is a process that helps damaged tissue to regrow and heal, leading to a prospective recovery of the function of the nervous system. The brain and spinal cord are connected to the other parts of the body by peripheral nerves, including muscles and hair. These nerves are weak and easily damaged and it is possible to interfere with the brain's ability to communicate with muscles and organs. Biomaterials and methods for neuro-stimulation and neuromodulation include the demand for nerve repair and regeneration medications. The abbreviation for nerve repair surgery, which is an essential aspect of understanding, is nerve repair and regeneration.

Market Highlights

Global Nerve Repair and Regeneration Market are expected to project a notable CAGR in 2030.

Global Nerve Repair and Regeneration Market to surpass USD XXXX million by 2030 from USD XXXX million in 2018 at a CAGR of XX% throughout the forecast period, i.e. 2019-30. The growth of the worldwide demand for nerve repair and regeneration can be due to the rising geriatric population and a growing number of neurological disorders worldwide. Besides, the growing understanding of healthcare and growing technological developments are expected to add new opportunities over the forecast period for the global nerve repair and regeneration market.

Global Nerve Repair and Regeneration Market: Segments

Biomaterials Segment to grow with the highest CAGR during 2019-30

Global Nerve Repair and Regeneration Market are segmented by product into neurostimulation and neuromodulation devices, and biomaterials. The greater market share in 2018 was accounted for by Neurostimulation and neuromodulation devices segment and is expected to see the highest growth during the forecast period. To dominate the neurostimulation and neuromodulation devices segment during the forecast era. This segment's significant market share is mainly driven by increasing government spending on neurological disorders and favorable reimbursements.

Stem cell therapy Segment to grow with the highest CAGR during 2019-30

Global Nerve Repair and Regeneration Market are segmented by application into neurostimulation and neuromodulation surgeries, direct nerve repair/neurorrhaphy, nerve grafting, and stem cell therapy. The greater market share in 2018 was accounted by Neurostimulation and neuromodulation surgeries segment to the increasing incidence of neurological disorders across the globe. The market is expected to be boosted by various government initiatives and approvals to perform clinical trials of biomaterials. The planned marketing of goods in the coming years is also expected to fuel market growth as a result of investments by companies and research institutes.

Global Nerve Repair and Regeneration Market: Market Dynamics

Drivers

High Incidence of Nerve Injuries

The primary factor driving the market for nerve repair and regeneration procedures is the high incidence of nervous system injuries. Due to factors such as high rate of nervous system injuries and nervous system reconstruction, enhanced effectiveness of biomaterials in the treatment of nervous system injuries, rise in the incidence rate of chronic CNS disorders such as Alzheimer's and Parkinson's disease, aging population, increased healthcare expenditure, new applications such as DBS and launching A

significant growth driver for the industry is a rapid rise in the occurrence of neurological disorders and peripheral nerve injuries.

Rising Government Initiative for Neurologic Disorder Research

Investment in the development of more productive devices by key companies is expected to drive the demand in the coming years. The Precision Montage MRI Spinal Cord Stimulator Device, for example, has earned FDA approval. Rising cases of neurological disorders, along with the growth of major companies in the product line, are the major factors driving the global nerve repair and regeneration industry. Due to many technological advances, the increased efficiency of surgical procedures in the treatment of neurological disorders is likely to contribute to growth strategy.

Restrain

Preference for Drug Therapies Over Nerve Repair and Regeneration Products

Some of the main factors restricting market growth are the lack of knowledge among patients and doctors about nerve repair and regeneration products and techniques, and the lack of trained practitioners. Due to the absence of trained specialists, the high cost of nerve repair and regeneration products, and the side effects of neurostimulation and neuromodulation devices hinder its growth during the forecast period.

Global Nerve Repair and Regeneration Market: Key Players

Synapse Biomedical, Inc.

Company Overview

Business Strategy

Key Product Offerings

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Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

Medtronic, plc

Boston Scientific Corporation

Abbott Laboratories

Axogen, Inc.

Baxter International, Inc.

Livanova, plc

Integra Lifesciences

Polyganics

Neuropace, Inc.

Soterix Medical, Inc.

Nevro Corp

Global Nerve Repair and Regeneration Market: Regions

Global Nerve Repair and Regeneration Market are segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, APAC, and MENA.

Global Nerve Repair and Regeneration Market in North America held the largest market share of XX.X% in the year 2018 owing to increased occurrence of neurological disorders in the area and a favorable health insurance coverage scenario. Also, the involvement of major market players, the availability of technologically advanced devices is a major factor for the dominance of the region. Due to the rising target population base, rising awareness among patients, supportive government initiatives, the presence of unmet medical needs, and the emergence of advanced technologies, Asia Pacific is the fastest-growing region.

Competitive Landscape:

Global Nerve Repair and Regeneration market, which is highly competitive, consists of several major players such as Axogen, Inc., Baxter International Inc., which hold a substantial market share in the Global Nerve Repair and Regeneration market. Other players analyzed in this report are Cyberonics, Inc., Integra Lifesciences Holdings Corporation, Orthomed S.A.S., Stryker Corporation, and Polyganics B.V. among others

Recently, various developments have been taking place in the market. For instance, In 2020, Medtronic received CE approval for InterStim Micro neurostimulator and InterStim SureScan MRI leads clearing the technologies for commercial sale and clinical use in Europe.

Global Nerve Repair and Regeneration Market are further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Nerve Repair and Regeneration Market report also contains analysis on:

Global Nerve Repair and Regeneration Market Segments:

By Product:

Neurostimulation and Neuromodulation Devices

Biomaterials

By Application:

Nerve Grafting

Neurostimulation & Neuromodulation Surgeries

Direct Nerve Repair/Neurorrhaphy

Stem Cell Therapy

By End User:

Hospitals

Ambulatory Surgical Centers

Clinics

Global Nerve Repair and Regeneration Market Dynamics

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8. INTEGRA LIFESCIENCES

9. SOTERIX MEDICAL, INC.

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Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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