

Neurosurgery Devices Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global neurosurgery devices market size reached US\$ 10.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 21.1 Billion by 2028, exhibiting a growth rate (CAGR) of 11.5% during 2023-2028.

Neurosurgery devices refer to various tools and instruments that are used for conducting surgeries and treating various pathologies in the central and peripheral nervous systems. They are primarily used for diagnosing, preventing and treating conditions such as Parkinson's, Alzheimer's, depression, epilepsy and traumatic brain and spinal cord injury. Some of the commonly used devices include neurostimulation devices, neurosurgical navigation devices and cerebrospinal fluid (CSF) management devices, such as curettes, dissectors, elevators and rongeurs. These tools aid in conducting microsurgeries, discectomies, elevating the periosteum below temporalis muscle and adjusting the skull bone during surgeries.

The increasing prevalence of various neurological disorders across the globe is one of the key factors driving the growth of the market. Furthermore, the rising geriatric population, which is more susceptible to neurological and other medical ailments, is also providing a boost to the market growth. There is also an increasing health consciousness and awareness among the masses regarding the availability of effective treatment alternatives for neurological disorders, which is contributing to the market growth. Consequently, there is a growing preference for neuroendoscopy surgeries over traditional brain surgeries. For instance, various neurostimulation devices are used to send electrical impulses to the targeted sacral nerves and perform deep brain

stimulation. Additionally, various technological advancements, including the development of innovative minimally invasive (MI) equipment, such as flow diversion, liquid embolic and clot retrieval devices, neuroendovascular stents and balloon catheters, are acting as another growth-inducing factor. Other factors, including improvements in the healthcare infrastructure, along with extensive research and development (R&D) activities, are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global neurosurgery devices market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, application and end-user.

Breakup by Product Type:

Neurostimulation Devices

Neurointerventional Devices

Neurosurgical Navigation Systems

Cerebral Spinal Fluid (CSF) Management Devices

Others

Breakup by Application:

Spinal Cord Stimulation

Chronic Pain

Failed Back Surgery Syndrome

Ischemia

Deep Brain Stimulation

Parkinson's Disease

Tremor

Depression

Others

Neuroendoscopy

Transnasal Neuroendoscopy

Intraventricular Neuroendoscopy

Transcranial Neuroendoscopy

Breakup by End-User:

Hospitals

Ambulatory Surgical Centers

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Abbott Laboratories, Ackermann Instrumente GmbH, Adeor Medical AG, B. Braun Melsungen AG, Biotronik, Boston Scientific Corporation, DePuy Synthes

Inc., Integra LifeSciences Corporation, Johnson & Johnson Services Inc., Medtronic Plc, Nevro Corporation, Nihon Kohden Corporation, Penumbra Inc., Stryker Corporation, etc.

Key Questions Answered in This Report:

How has the global neurosurgery devices market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global neurosurgery devices market?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end-user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global neurosurgery devices market and who are the key players?

What is the degree of competition in the industry?

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