

Global Neuro-navigation Systems Market Size study & Forecast, by Technology (Optical system, Electromagnetic system) by Application (Neurosurgery, Craniomaxillofacial Surgery, Spinal Surgery, Others), by End-use (Hospitals, Neurology Clinics, Ambulatory Surgical Centers, Research Center) and Regional Analysis, 2022-2029

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Abstracts

Global Neuro-navigation Systems Market is valued at approximately USD 2.4 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 7.77% over the forecast period 2022-2029. Neuro-navigation is defined as a set of computer-assisted technologies that is adopted by neurosurgeons to navigate or guide within the confines of the skull or vertebral column during surgery and transcranial magnetic stimulation. This system is specially developed for image-guided neurosurgery that helps in the precise resection of brain tumors. The rising inclination towards minimally invasive surgical procedures, growing awareness about the advantages of computer-assisted surgery, and increasing expenditure on the development of healthcare infrastructural facilities are the prominent factors that are stipulating the global market growth.

The increasing prevalence of neurological disorders such as cancer, benign tumors, and stroke is acting as a key driving factor for market growth. According to the World Cancer Research Fund International data report 2020, it was estimated that approximately 308,102 new cases of brain and CNS cancer were diagnosed, and 251,329 cancer-related deaths occurred in 2020 around the world. In addition, the American Cancer Society reported that, in 2022, nearly 25,050 malignant tumors of the brain or spinal cord (14,170 in men and 10,880 in women) were diagnosed in the United States, which accounted for around 18,280 people fatalities. Therefore, the increasing

number of patients suffering from brain tumors and related conditions leading to brain metastasis is likely to leverage the demand for neuro-navigation systems across the globe. Moreover, the rising introduction of innovative products, as well as the growing investment in technological advancements are presenting various lucrative opportunities over the forecasting years. However, the high cost of acquisition and maintenance of these systems and clinical complications related to neuro-navigation systems are hampering the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Neuro-navigation Systems Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the increasing development of innovative medical devices, rising government support, and growing preference for ambulatory surgery centers. Whereas, the Asia Pacific is also expected to grow with the highest CAGR during the forecast period, owing to factors such as rising target populations, growing healthcare awareness, and geographic expansion of key players in the market space.

Major market players included in this report are:

Medtronic

Stryker

7D Surgical

Synaptive Medical

Soterix Medical Inc.

Nexstim Plc

ClaroNav

Zimmer Biomet Holding Inc.

Brainlab

Northern Digital Inc.

Recent Developments in the Market:

In April 2021, Medtronic Inc. declared that the company's StealthStation S8 and the StealthStation ENT surgical navigation systems received approval for selling across Canada. This system offers better visualization to surgeons and aids to precisely locate anatomical structures in either open or minimally invasive procedures such as skull, spinal cord, and sinus cavities.

In May 2021, ClearPoint Neuro, Inc., unveiled its first human cases of the SmartFrame Array Neuro-navigation system and software. This system is specially designed to streamline workflows and lessen procedure time in both the MRI suite and in the operating room.

Global Neuro-navigation Systems Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Technology, Application, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Optical system

Electromagnetic system

By Application:

Neurosurgery

Craniomaxillofacial Surgery

Spinal Surgery

Others

By End-use:

Hospitals

Neurology Clinics

Ambulatory Surgical Centers

Research Center

By Region:

North America

U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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