

Surgical Navigation Systems Market by Technology (Electromagnetic Navigation Systems, Hybrid Navigation Systems, Optical Navigation Systems, CT-Based Navigation Systems, and Fluoroscopy-Based Navigation Systems), Application [Neurosurgery Navigation Systems, Orthopedic Navigation Systems (Hip & Knee Replacement), ENT Navigation Systems, Dental Navigation Systems, and Cardiac Navigation Systems] - Global Opportunity Analysis and Industry Forecast, 2014-2022

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Abstracts

Surgical navigation system is extensively used in different types of surgeries such as neurosurgery, orthopedic surgery and ENT surgery. Surgical navigation system employ computer software and tools for performing planned surgical procedures. Surgical navigation is also termed as image guided surgery, computer assisted intervention and computer assisted surgery. Surgical navigation in surgery is one of the important surgical decision-making tool. It develops precise replica in form of image of target anatomical structure. These images are further processed to develop a 3D data set that develops precise geometrical structure of the targeted surgical area or the region to be operated. Surgical navigation systems market is primarily driven by factors such as increasing incidence & prevalence of neurosurgical, orthopedic(hip & knee replacement), and ENT disorders; increasing government funding for research and development of surgical navigation systems, launch of technologically advanced navigation systems, and increasing acceptance of minimally invasive surgical procedures. However, factors like high cost of navigation systems, and stringent FDA

regulation for product approval are likely to restrain the market growth during the forecast period.

The global surgical navigation systems market studied in this report is segmented by technology, application, end-user, and geography. Based on the technology, the surgical navigation systems market has been categorized into electromagnetic navigation systems, hybrid navigation systems, optical navigation systems, fluoroscopy-based navigation systems and others. Based on the application, market has been categorized into neurosurgery navigation systems, orthopedic navigation systems (hip and knee replacement), ENT navigation systems, dental navigation systems and cardiac navigation systems. Based on the end-user, market has been classified into physician practices & ambulatory settings and hospitals.

Geographically, global surgical navigation systems market is segmented into North America, Europe, Asia-Pacific and LAMEA. North America accounted for the largest market share due to factors such well-established healthcare system in the region, higher adoption of healthcare information technologies, and increase in the number of complex surgical procedures. However, Asia-Pacific is expected to emerge as the area with maximum growth potential due to focus of key players on emerging economies, and improving healthcare infrastructure.

Prominent players in surgical navigation systems market include Medtronic plc (Ireland), Stryker Corporation (U.S.), Brainlab AG (Germany), B. Braun Melsungen AG (Germany), Scopis GmbH (Germany), Fiagon AG (Germany), Karl Storz GmbH & Co. KG (Germany), Amplitude Surgical (France), Zimmer Biomet Holdings, Inc. (U.S.), and Siemens Healthineers (Germany).

Key Benefits

The study provides an in-depth analysis of the surgical navigation systems market with current trends and future estimations to elucidate the imminent investment pockets in the market

The report provides a quantitative analysis from 2014 to 2022 to enable the stakeholders to capitalize on prevailing market opportunities

Extensive analysis by surgical navigation systems helps in understanding the various trends and prevailing opportunities in the respective market

Comprehensive analysis of all geographical regions is provided, which assist in determining the major opportunities in these geographies

Key players within the market are profiled in this report and their strategies are

analyzed thoroughly, which predict competitive outlook of the global surgical navigation systems market

Surgical Navigation Systems Market Key Segments By Technology

Electromagnetic navigation systems

Hybrid navigation systems

Optical navigation systems

Fluoroscopy-based navigation systems

CT-based Navigation systems

Others

By Application

Neurosurgery navigation systems

Orthopedic navigation systems

Hip Replacements

Knee Replacement

ENT navigation systems

Dental navigation systems

Cardiac Navigation systems

By End Users

Practices & ambulatory settings

Hospitals

By Geography

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Rest of Europe

Asia-Pacific

Japan

India

China

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

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