Global Neuroendoscopy Market Research Report, by Product (Rigid, Flexible Neuroendoscopes), by Application (Transnasal, Intraventricular, Transcranial Neuroendoscopy), by Usability (Reusable, Disposable), End-User (Hospitals) – Global Forecast Till 2023

Market Scenario

Neuroendoscopy is characterized as a minimally-invasive surgical procedure which is extensively utilized to remove tumors. The excision occurs via small holes present in the skull, i.e., through the mouth or nose. In neuroendoscopy procedures, a small telescopic device equipped with a high-resolution video camera and an eyepiece is used. This gives the neurosurgeons, an ability to navigate and effectively access the parts of the brain that could not be addressed by traditional surgery. Some of the other advantages of neuroendoscopy include fast recovery, minimal scarring, and others. The increasing prevalence of brain tumors is a major driver for the market growth. According to a study published by the Neuro-Oncology Journal in 2015, the global incidence rate for all types of brain tumors was estimated to be about 10.82 per 100,000 persons. Moreover, the increasing demand for minimally invasive surgical procedures, growing geriatric population, and favorable reimbursement policies are estimated to boost the market during the forecast period. According to the National Institute of Health in 2016, the global geriatric population is estimated to be more than triple from 2015 to 2050, i.e., it is projected to grow from 126.5 in 2015 million and reach 446.6 million by 2050. However, a shortage of physicians and high cost for neuroendoscopy procedures and equipment are projected to restrain the market growth during the forecast period. The Association of American Medical Colleges in 2016 stated that the demand for physicians continued to grow at a higher rate, exceeding the supply. The projected total physician shortfall by 2025 is estimated to be in between 61,700 and 94,700.

Global Neuroendoscopy Market is expected to grow at an approximate CAGR of 5.2% during the forecast period.

Intended Audience

- Pharmaceutical Companies
- Biotechnological Institutes
- Government and Private Laboratories
- Research and Development (R&D) Companies
- Medical Research Laboratories
- Market Research and Consulting Service Providers

Figure 1: Global Neuroendoscopy Market Share, by Region
Segmentation

The global Neuroendoscopy market is segmented on the basis of product, application, usability, and end-user. 

On the basis of products, the market is segmented into rigid neuroendoscopes and flexible neuroendoscopes. The rigid neuroendoscopes segment is sub-segmented into rigid video scopes and rigid fiberscopes. On the basis of application, the market is categorized into transnasal neuroendoscopy, intraventricular neuroendoscopy, and transcranial neuro-endoscopy. On the basis of usability, the market is segmented into reusable neuroendoscopes and disposable neuroendoscopes. On the basis of end-users, the market is segmented into hospitals, clinics, medical research centers, and others.

Regional Analysis

The Americas dominates the global neuroendoscopy market. Factors such as the increasing prevalence of brain tumors, the presence of a well-developed healthcare sector, and huge health care expenditures within the region drive the market growth within the region. Moreover, the presence of key players such as Stryker and Medtronic, besides others and the growing geriatric population within the region fuel the market growth.

Europe stands second in the global neuroendoscopy market due to the increasing demand for minimally invasive surgeries, rising availability of funds for research and development, and a huge patient population. According to the Cancer Research U.K., the total number of new cases for brain tumor was estimated to be about 11,432 in 2015.

Followed by Europe, Asia Pacific stands third in the global neuroendoscopy market. Moreover, the region is projected to be the fastest growing region in the global market. This can be attributed to the presence of developing economies such as China, growing patient population, developing healthcare sector, and increasing per capita healthcare expenditures. Additionally, favorable government policies support the market growth. Medical tourism and rising geriatric population are estimated to fuel the market growth. According to the Indian Brand Equity Foundation, the medical tourism industry in India is estimated to grow rapidly and reach USD 9 billion by 2020.

The Middle East and Africa holds the least share in the global neuroendoscopy market due to the presence of poor economies, stringent government policies, lack of awareness, low per capita income, and poor availability of healthcare services, especially within the African region. A majority of the neuroendoscopy market within the region is held by the Middle East due to the presence of a well-developed healthcare sector and huge healthcare expenditure.

Research Methodology
Key players

The key players in the global neuroendoscopy market are KARL STORZ (Germany), B. Braun (Germany), Ackermann Instrumente (Germany), Adeor Medical (Germany), Hangzhou Hawk Optical Electronic Instruments (China), Machida Endoscope (Japan), Tonglu Wanhe Medical Instrument (China), Schindler Endoskopie (Germany), Clarus Medical (U.S.), LocaMed (U.K), Visionsense Corporation (U.S.), Olympus Corporation (Japan), Zeiss International (Germany), Stryker (U.S.), Medtronic (U.S.), and others.
Chapter 11. Company Landscape
11.1 Introduction
11.2 Market Share Analysis
11.3 Key Development & Strategies
11.3.1 Key Developments

Chapter 12 Company Profiles
12.1 KARL STORZ
12.1.1 Company Overview
12.1.2 Product Overview
12.1.3 Financials
12.2.4 Key Developments
12.1.5 SWOT Analysis
12.2 B. Braun
12.2.1 Company Overview
12.2.2 Product Overview
12.2.3 Financial Overview
12.2.4 Key Developments
12.2.5 SWOT Analysis
12.3 Ackermann Instrumente
12.3.1 Company Overview
12.3.2 Product Overview
12.3.3 Financial Overview
12.3.4 Key Development
12.3.5 SWOT Analysis

12.4 Adeor Medical
12.4.1 Company Overview
12.4.2 Product/Business Segment Overview
12.4.3 Financial Overview
12.4.4 Key Development
12.4.5 SWOT Analysis

12.5 Hangzhou Hawk Optical Electronic Instruments
12.5.1 Company Overview
12.5.2 Product Overview
12.5.3 Financial overview
12.5.4 Key Developments
12.5.5 SWOT Analysis

12.6 Machida Endoscope
12.6.1 Company Overview
12.6.2 Product Overview
12.6.3 Financial Overview
12.6.4 Key Developments
12.6.5 SWOT Analysis

12.7 Tonglu Wanhe Medical Instrument
12.7.1 Overview
12.7.2 Product Overview
12.7.3 Financials
12.7.4 Key Developments
12.7.5 SWOT Analysis

12.8 Schindler Endoskopie
12.8.1 Overview
12.8.2 Product Overview
12.8.3 Financials
12.8.4 Key Developments
12.8.5 SWOT Analysis

12.9 Clarus Medical
12.9.1 Overview
12.9.2 Product Overview
12.9.3 Financials
12.9.4 Key Developments
12.9.5 SWOT Analysis

12.10 LocaMed
12.10.1 Overview
12.10.2 Product Overview
12.10.3 Financials
12.10.4 Key Developments
12.10.5 SWOT Analysis

12.11 Visionsense Corporation
12.11.1 Overview
12.11.2 Product Overview
12.11.3 Financials
12.11.4 Key Developments
12.11.5 SWOT Analysis
12.12 Olympus Corporation
12.12.1 Overview
12.12.2 Product Overview
12.12.3 Financials
12.12.4 Key Developments
12.12.5 SWOT Analysis
12.13 Zeiss International
12.13.1 Overview
12.13.2 Product Overview
12.13.3 Financials
12.13.4 Key Developments
12.13.5 SWOT Analysis
12.14 Stryker
12.14.1 Overview
12.14.2 Product Overview
12.14.3 Financials
12.14.4 Key Developments
12.14.5 SWOT Analysis
12.15 Medtronic
12.15.1 Overview
12.15.2 Product Overview
12.15.3 Financials
12.15.4 Key Developments
12.15.5 SWOT Analysis
12.16 Others

Chapter 13 MRFR Conclusion

13.1 Key Findings
13.1.1 From CEO's View Point
13.1.2 Unmet Needs of the Market
13.2 Key Companies to Watch
13.3 Prediction of the Global Neuroendoscopy Market

Chapter 14 Appendix

LIST OF TABLES

Table 1 Neuroendoscopy Industry Synopsis, 2017–2023
Table 2 Global Neuroendoscopy Market Estimates & Forecast, 2017–2023, (USD Million)
Table 3 Global Neuroendoscopy Market, by Region, 2017–2023, (USD Million)
Table 4 Global Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 5 Global Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 6 Global Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 7 Global Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 8 North America Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 9 North America Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 10 North America Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 11 North America Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 12 U.S. Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 13 U.S. Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 14 U.S. Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 15 U.S. Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 16 Canada Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 17 Canada Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 18 Canada Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 19 Canada Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 20 South America Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 21 South America Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 22 South America Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 23 South America Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 24 Europe Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 25 Europe Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 26 Europe Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 27 Europe Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 28 Western Europe Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 29 Western Europe Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 30 Western Europe Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 31 Western Europe Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 32 Eastern Europe Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 33 Eastern Europe Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 34 Eastern Europe Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 35 Eastern Europe Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 36 Asia Pacific Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 37 Asia Pacific Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 38 Asia Pacific Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 39 Asia Pacific Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)
Table 40 The Middle East & Africa Neuroendoscopy Market, by Product, 2017–2023, (USD Million)
Table 41 The Middle East & Africa Neuroendoscopy Market, by Application, 2017–2023, (USD Million)
Table 42 The Middle East & Africa Neuroendoscopy Market, by Usability, 2017–2023, (USD Million)
Table 43 The Middle East & Africa Neuroendoscopy Market, by End-User, 2017–2023, (USD Million)

LIST OF FIGURES

Figure 1 Research Process
Figure 2 Segmentation for Global Neuroendoscopy Market
Figure 3 Market Dynamics for Global Neuroendoscopy Market
Figure 4 Global Neuroendoscopy Market Share, by Product 2016
Figure 5 Global Neuroendoscopy Market Share, by Application 2016
Figure 6 Global Neuroendoscopy Market Share, by Usability, 2016
Figure 7 Global Neuroendoscopy Market Share, by End-User, 2016
Figure 8 Global Neuroendoscopy Market Share, by Region, 2016
Figure 9 North America Neuroendoscopy Market Share, by Country, 2016
Figure 10 Europe Neuroendoscopy Market Share, by Country, 2016
Figure 11 Asia Pacific Neuroendoscopy Market Share, by Country, 2016
Figure 12 The Middle East & Africa Neuroendoscopy Market Share, by Country, 2016
Figure 13 Global Neuroendoscopy Market: Company Share Analysis, 2016 (%)
Figure 14 KARL STORZ: Key Financials
Figure 15 KARL STORZ: Segmental Revenue
Figure 16 KARL STORZ: Geographical Revenue
Figure 17 B. Braun: Key Financials
Figure 18 B. Braun: Segmental Revenue
Figure 19 B. Braun: Geographical Revenue
Figure 20 Ackermann Instrumente: Key Financials
Figure 21 Ackermann Instrumente: Segmental Revenue
Figure 22 Ackermann Instrumente: Geographical Revenue
Figure 23 Adeor Medical: Key Financials
Figure 24 Adeor Medical: Segmental Revenue
Figure 25 Adeor Medical: Geographical Revenue
Figure 26 Hangzhou Hawk Optical Electronic Instruments: Key Financials
Figure 27 Hangzhou Hawk Optical Electronic Instruments: Segmental Revenue
Figure 28 Hangzhou Hawk Optical Electronic Instruments: Geographical Revenue
Figure 29 Machida Endoscope: Key Financials
Figure 30 Machida Endoscope: Segmental Revenue
Figure 31 Machida Endoscope: Geographical Revenue
Figure 32 Tonglu Wanhe Medical Instrument: Key Financials
Figure 33 Tonglu Wanhe Medical Instrument: Segmental Revenue
Figure 34 Tonglu Wanhe Medical Instrument: Geographical Revenue
Figure 35 Schindler Endoskopie: Key Financials
Figure 36 Schindler Endoskopie: Segmental Revenue
Figure 37 Schindler Endoskopie: Geographical Revenue
Figure 38 Clarus Medical: Key Financials
Figure 39 Clarus Medical: Segmental Revenue
Figure 40 Clarus Medical: Geographical Revenue
Figure 41 LocaMed: Key Financials
Figure 42 LocaMed: Segmental Revenue
Figure 43 LocaMed: Geographical Revenue
Figure 44 Visionsense Corporation: Key Financials
Figure 45 Visionsense Corporation: Segmental Revenue
Figure 46 Visionsense Corporation: Geographical Revenue
Figure 47 Olympus Corporation: Key Financials
Figure 48 Olympus Corporation: Segmental Revenue
Figure 49 Olympus Corporation: Geographical Revenue
Figure 50 Zeiss International: Key Financials
Figure 51 Zeiss International: Segmental Revenue
Figure 52 Zeiss International: Geographical Revenue
Figure 53 Stryker: Key Financials
Figure 54 Stryker: Segmental Revenue
Figure 55 Stryker: Geographical Revenue
Figure 56 Medtronic: Key Financials
Figure 57 Medtronic: Segmental Revenue
Figure 58 Medtronic: Geographical Revenue