

Neuroendoscopy Devices Market Size, Share & Trends Analysis Report By Product (Rigid, Flexible), By Application (Transnasal, Intraventricular, Transcranial), By Usability, By End Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Neuroendoscopy Devices Market Growth & Trends

The global neuroendoscopy devices market size is expected to reach USD 725.62 million by 2030, expanding at a CAGR of 10.63% from 2025 to 2030, according to a new report by Grand View Research, Inc. Demand for neuroendoscopy is increasing due to a global rise in the number of brain tumor cases and growing adoption of minimally invasive surgical procedures.

Conventional surgical procedures of the brain such as craniotomy are invasive, which includes opening of the skull of the patient. This increases the risk of associated conditions such as stroke or hemorrhage, blindness, deafness, and in some cases, death. Such high risks associated with conventional surgical procedures of the brain are resulting in replacement by the adoption of minimally invasive endoscopic procedures. In addition, increasing cases of pituitary tumors and increasing prevalence of brain cancer are supporting the growth of the market. Few companies engaged in neuroendoscopy manufacturing are B. Braun Medical Inc., Karl Storz, Olympus Corporation, Zeiss International, Stryker, and Medtronic.

Neuroendoscopy Devices Market Report Highlights

Rise in the brain injuries, and neural surgeries coupled with adoption of minimally invasive procedures is driving the growth of the market

Intraventricular segment accounted for the largest revenue share in 2024 mainly due to constantly increasing incidences of the intraventricular hemorrhage and bleeding

Transcranial surgery segment is expected to grow at the fastest growth rate owing to the factors such as increasing cases of pituitary gland tumors and technological advancements

Rigid neuroendoscopes being light weight and small in size are preferred over flexible ones. However, flexible endoscopes segment is expected to grow at the fastest growth rate during the forecast period.

Maximum number of neuro-endoscopic procedures are performed in hospitals. Thus, the segment accounted for the largest revenue share in 2024 and is anticipated to remain dominant throughout the forecast period.

North America and Europe dominated the market together in 2024. Availability of advanced healthcare infrastructure and high adoption of advanced techniques are some of the prime factors resulting in the highest adoption of neuroendoscopy procedures in these regions.

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