

South Korea Neurology Devices Market Report by Type of Device (Cerebrospinal Fluid Management Devices, Interventional Neurology Devices, Neurosurgery Devices, Neurostimulation Devices, and Others), and Region 2026-2034

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Abstracts

South Korea neurology devices market size reached USD 259.7 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 564.0 Million by 2034, exhibiting a growth rate (CAGR) of 9.00% during 2026-2034 . The increasing availability of advanced diagnostic and therapeutic equipment is propelling the market growth.

SOUTH KOREA NEUROLOGY DEVICES MARKET ANALYSIS:

Major Market Drivers: The rising investments in research capabilities, healthcare infrastructures, and public health awareness are stimulating the market.

Key Market Trends: The extensive healthcare investments in South Korea, aimed at improving neurological care and infrastructure, contribute significantly to the growing adoption of innovative neurology devices, thereby accelerating the market growth.

Competitive Landscape: The report has provided a comprehensive analysis of the competitive landscape in the market. Also, detailed profiles of all major companies have been provided.

Geographical Trends: Seoul Capital Area leads in neurology device adoption due to its advanced medical infrastructure. Moreover, Yeongnam experiences growth driven by the rising number of Parkinson's cases. In contrast, Honam

shows increased adoption with improving healthcare investments. Hoseo and other regions are expanding their market presence as regional healthcare infrastructure develops.

Challenges and Opportunities: The high cost of advanced technologies and equipment can restrict access and adoption, which is hindering the market. However, increased government subsidies, financial incentives for healthcare providers, and collaborations with local manufacturers to reduce costs and improve accessibility will continue to bolster the market growth.

SOUTH KOREA NEUROLOGY DEVICES MARKET TRENDS:

Growing Demand for Advanced Medical Technologies

The surge in technological advancements in neurology, including AI-based imaging systems, reflects a heightened need for advanced medical diagnostic tools. This trend signifies a push towards integrating cutting-edge technologies to improve neurological disorder detection and treatment efficacy. As the focus intensifies on enhancing the capabilities of neurology tools, the market responds to the growing need for diagnostic and therapeutic solutions. For example, in March 2024, Philips and SyntheticMR introduced an AI-based quantitative brain imaging system in South Korea, integrating SmartSpeed, 3D SyntAc, and SyMRI NEURO technologies. This advanced tool enhances the diagnosis of neurological disorders, including multiple sclerosis and traumatic brain injuries, by analyzing brain tissues more precisely. This is the increasing the South Korea neurology devices market demand.

Increased Focus on Personalized Healthcare Solutions

Specialized treatments for individual patient needs, such as deep brain stimulation systems, demonstrate a shift towards more customized care approaches. Emphasizing personalized solutions aims to enhance treatment outcomes by addressing unique patient profiles and evolving medical conditions. For instance, in January 2024, Medtronic's FDA-approved Percept RC Deep Brain Stimulation system introduced BrainSense technology, enhancing the personalization of treatments for movement disorders and epilepsy. According to South Korea neurology devices market analysis report, this breakthrough positively impacted patient care options.

Expansion of Healthcare Infrastructure and Innovations

The strategic growth in healthcare infrastructure, coupled with new drug approvals and distribution agreements, signifies a commitment to enhancing treatment options. This expansion supports the development and accessibility of innovative therapies, thereby improving overall patient care and healthcare delivery. It is contributing to the South Korea neurology devices market share. They facilitate a broader range of solutions and improve patient outcomes, as these advancements drive greater market involvement. For example, in April 2024, Nxera Pharma announced an exclusive distribution agreement with Handok for PIVLAZ in South Korea. This drug, the first approved for preventing cerebral vasospasm after aneurysmal subarachnoid hemorrhage, will be available in early 2025, enhancing treatment options for neurological patients.

SOUTH KOREA NEUROLOGY DEVICES INDUSTRY SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with the South Korea neurology devices market forecast at the country and regional levels for 2026-2034. Our report has categorized the market based on the type of device.

Breakup by Type of Device:

- Cerebrospinal Fluid Management Devices

- Interventional Neurology Devices

- Interventional/Surgical Simulators

- Neurothrombectomy Devices

- Carotid Artery Stents

- Embolic Coils

- Support Devices

- Neurosurgery Devices

- Neuroendoscopes

Stereotactic Systems

Aneurysm Clips

Others

Neurostimulation Devices

Spinal Cord Stimulation Devices

Deep Brain Stimulation Devices

Sacral Nerve Stimulation Devices

Others

The report has provided a detailed breakup and analysis of the market based on the type of device. This includes cerebrospinal fluid management devices, interventional neurology devices (interventional/surgical simulators, neurothrombectomy devices, carotid artery stents, embolic coils, and support devices), neurosurgery devices (neuroendoscopes, stereotactic systems, aneurysm clips, and others), neurostimulation devices (spinal cord stimulation devices, deep brain stimulation devices, sacral nerve stimulation devices, and others), and others.

Cerebrospinal fluid (CSF) management devices are vital for conditions like hydrocephalus. Interventional neurology devices are generally used in neurovascular and stroke management procedures. Neurosurgery is critical in tumor removal processes. Neurostimulation devices are employed for treating movement disorders like Parkinson's disease. The escalating demand for minimally invasive procedures will continue to augment the South Korea neurology devices market in the coming years.

Breakup by Region:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

According to the South Korea neurology devices market outlook report, the Seoul Capital Area benefits from advanced healthcare facilities. Moreover, Yeongnam is experiencing increased demand due to the rising neurological disorder cases and the expanding hospital capabilities. In addition, Honam is investing in healthcare infrastructure to enhance access to neurology devices and treatments. Meanwhile, Hoseo is focusing on modernizing its medical facilities to support neurology services, whereas other regions are gradually adopting advanced technologies to improve neurological care, accessibility, and treatment outcomes.

COMPETITIVE LANDSCAPE:

The South Korea neurology devices market research report has also provided a comprehensive analysis of the competitive landscape in the market. Competitive analysis, such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant, has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea neurology devices market performed so far, and how will it perform in the coming years?

What has been the impact of COVID-19 on the South Korea neurology devices market growth?

What is the breakup of the South Korea neurology devices market on the basis of type of device?

What are the various stages in the value chain of the South Korea neurology devices market?

What are the key driving factors and challenges in the South Korea neurology devices?

What is the structure of the South Korea neurology devices market, and who are the key players?

What is the degree of competition in the South Korea neurology devices market?

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