Brain Aneurysm Treatment Market Information: By Type (Surgery (Surgical Clipping, Endovascular Coiling), Medication (Antacid, Stool Softener)), Condition (Unruptured Aneurysm, Ruptured Aneurysm), End User (Hospitals, Clinics) - Global Forecast till 2023

Market Scenario

A brain aneurysm is also known as cerebral aneurysm or intracranial aneurysm (IA). It is a weak bulging spot present on the wall of a brain artery. Over time, the blood flow within the artery starts pushing the thinned portion of the wall which finally leads to the development of aneurysms. The blood flow may also cause the aneurysm to rupture. Usually, unruptured brain aneurysm may not show any symptoms but a large unruptured aneurysm may cause change in vision, pain above and behind an eye, drooping eyelid, severe headache, and many others. Individuals harboring a brain aneurysm can be diagnosed by various techniques, such as Computed Tomography (CT) scan, Computed Tomography Angiogram (CTA) scan, Magnetic Resonance Angiography (MRA), cerebral angiogram, and many others.

Intracranial aneurysms (IAs) is the leading cause of hemorrhagic stroke. According to the research study published in Angiology journal, it is found that in the United Kingdom 10% to 15% of patients with IAs die before reaching the hospital and of those who survive, 46% develop some form of disability, 42% become dependent, and 12% are left severely impaired. Adoption of treatment for brain aneurysm depend on the severity of the condition. According to the International Study of Unruptured Intracranial Aneurysm (ISUIA), aneurysm size and location are independent predictors for aneurysm rupture.

Notably, presence of cerebral aneurysm in the family history is the key factor driving the brain aneurysm treatment market. According to the Brain Aneurysm Foundation, the occurrence of familial aneurysms among subarachnoid hemorrhage patients is 6% to 20%. Other factors such as, increasing healthcare funding by government bodies, advancement in surgical techniques, and high occurrence of high blood pressure, are also fueling up the market. Despite these drivers, there are some issues associated with brain aneurysm treatment market. High cost of management for aneurysmal subarachnoid hemorrhage, and unknown symptoms of unruptured brain aneurysm may hinder the growth of market to an extent. Brain Aneurysm Foundation states that Brain aneurysms are most prevalent at the ages 35 – 60 years whereas aneurysmal hemorrhagic
stroke is more common in people with age of 50 years.

It is estimated that brain aneurysm treatment market is expected to grow at a CAGR 5.4% during the forecast period of 2017-2023.

**Intended Audience**

- Pharmaceutical Companies
- Surgical equipment Companies
- Research and Development (R&D) Companies
- Government Research Institute
- Academic Institutes and Universities

**Figure: Global Brain Aneurysm Treatment Market, By Region Market Share, 2017 (%)**

![Pie chart showing market share]

Sources: Annual reports, Press release, White paper, Company presentation

**Segmentation**

The brain aneurysm treatment market is segmented on the basis of type, condition, and end-user.

On the basis of type, market is segmented into surgery and medication. Surgery is further classified into surgical clipping, endovascular coiling, flow diverter, and others. Sub-segmentation of flow diverter includes pipeline embolization device, silk flow diverter (SILK), and surpass flow diverter (SURPASS). Sub-segmentation of medication includes anti-seizure medications, analgesics, calcium channel blockers, antihypertensives, antiemetics, antacids, stool softeners, and others.

On the basis of condition, market is classified into unruptured aneurysm and ruptured aneurysm.

On the basis of end-use, market is segmented into hospital, clinics, and others.

**Regional Analysis**

The Americas dominates the brain aneurysm treatment market owing to the
rise in screening process, increasing prevalence of brain aneurysm and high healthcare expenditure. According to the 2017 study published in Surg Neurol Int., it is found that more than 3% population of the United States i.e. nearly 10 million individuals are living with brain aneurysm. Furthermore, increasing participation of bigger players and new marketers towards advancement in treatment approaches have also attracted a great deal of attention.

Europe holds the second position in brain aneurysm treatment market. It is expected that the support provided by government bodies for research & development and improvement in reimbursement policies in healthcare will drive the market in Europe region.

Asia Pacific is the fastest growing brain aneurysm treatment market owing to the huge patient pool and developing healthcare technology.

**Key Players**

Some of key the players in the market are Medtronic Plc., Codman & Shurtleff, Inc., Raumedic AG, Vittamed, Sophysa Ltd., MicroPort Scientific Corporation, Orsan Medical Technologies, and Spiegelberg GmbH, Johnson & Johnson, Sophysa Ltd, HaiWeiKang, Head Sense Medical, InfraScan, Inc., Integra Life Sciences Corporation and others.

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Sources: Annual reports, Press release, White paper, and Company presentation
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