Global Intracranial Pressure (ICP) Monitoring Market Information: by Route of Intervention (Intraventricular, Epidural Sensor), Technique (Invasive, Non-invasive), Application (Traumatic Brain Injury, Subarachnoid Hemorrhage), Device (Intraventricular Catheter, Epidural Sensors), End-user (Hospitals & Clinics), and Region – Global Forecast Till 2024

Market Synopsis

Intracranial pressure monitoring devices are designed to measure the pressure within the cranium caused by trauma and accident. It is majorly used in treating traumatic brain injury. The global intracranial pressure (ICP) monitoring market is projected to exhibit a 7.1% CAGR from 2018 to 2024 (forecast period) owing to prevalence of neurovascular diseases such as arteriovenous malformations (AVMs) and brain aneurysm. The strong demand for therapeutics combined with the increase in healthcare expenditure of various nations is likely to impact the market demand over the forecast period.

Introduction of favorable reimbursement policies aimed towards the benefit of the public is likely to trigger the market demand. This is exemplified by the inclusion of WILLILS Intracranial Stent Graft System in 2016 in Shanghai’s Drug Reimbursement List. This move can benefit many patients with 80% of the material cost being paid back to the patient. The growing biotechnology sector is expected to cause a paradigm shift in the sector and facilitate the growth of the ICP monitoring market. But high procedural costs of ICP monitoring devices and shortfall of skilled personnel are factors which can hamper market growth.

Report Overview

The report provides an accurate overview of the market by correlating the historical data with key market dynamics. Our analysts make highly astute projections regarding the scope of the market and its future prospects. MRFR’s report includes a thorough analysis of the global intracranial pressure (ICP) monitoring market segmented according to route of intervention, technique, device, application, end-user, and region. Trends and growth opportunities are highlighted coupled with upcoming investment opportunities. The market share of all prominent players and their current position in the market is discussed in minute detail. It analyzes new revenue sources for players and outlines the various strategies implemented by players.

Segment Overview

The global intracranial pressure (ICP) monitoring market can be segmented on the basis of route of intervention, technique, device, application, and end-user. By route of intervention, the market is segmented into intraventricular and epidural sensor.

By technique, the market is segmented into invasive and non-invasive. The former is segmented into microtransducer ICP monitoring and external ventricular drainage (EVD). The latter is sub-segmented into transcranial doppler ultrasonography, tympanic membrane displacement (TMD) analyzer, optic nerve sheath diameter sonography, fundoscopy (papilladema), and MRI/CT.

Devices offered in the market include intraventricular catheter, subarachnoid screw, epidural sensors, and non-invasive ICP monitors. Key market applications include traumatic brain...
injury, intracerebral hemorrhage, subarachnoid hemorrhage, and meningitis.

Major end-users of the ICP monitoring market include hospitals & clinics and trauma centers. The segments covered in the intracranial pressure (ICP) monitoring market report are analyzed with respect to four main regions — Americas, Europe, Asia Pacific (APAC), and the Middle East & Africa (MEA), with respective country-level market sizing. The report discusses in detail the various players residing in these regions and their respective strategies to climb up the market ladder.

**Competitive Landscape**

Notable players in the intracranial pressure monitoring market include Natus Medical Incorporated (U.S.), Sophysa SA (France), Integra LifeSciences Corporation (U.S.), Medtronic Plc (Ireland), Boston Neurosciences (U.S.), RAUMEDIC Inc. (Germany), Spiegelberg GmbH & Co. KG (Germany), Terumo Corporation (U.S.), and DePuy Synthes (U.S.). Development of cost-effective products and constant innovation of the technology are key strategies implemented by these players to gain an edge in the market.

The report offers comprehensive profiles on these market players and assesses their current standing in the market. Company history coupled with annual turnover, profit margins, segmental share, SWOT analysis, growth strategies, expansion techniques, and latest R&D initiatives are discussed in minute detail.

**Research Methodology**

At MRFR, our research analysts conduct a thorough objective analysis of the market while creating market reports by adhering to a rigorous set of standards which allow a truly comprehensive view of the market. Use of primary research strategies such as interviews with top executives of cable component manufacturers, suppliers, and distributors. Secondary research entails a thorough analysis of past and present trends in a forward-looking manner.

In addition, market size estimation and validation use both top-down & bottom-up approaches to obtain data from the value and supply chain. The balanced number of buyers and suppliers will result in a negligible demand-supply gap. Credible resources are accessed and verified by analysts to understand the nuances of market factors with consistency. Competent data analysts use strong analytical tools to ascertain accurate analysis of very relevant parameters in an effort to provide clients with a conclusive and dependable view of the future.

**Analysis Period**

- Base Year - 2017
- Projection Period - From 2018 to 2024
- Market Denomination - USD Million
- Conversion Rate - Considered as per the respective financial years

**Intended Audience**

- Brain monitoring device manufacturers & suppliers
- Contract Research Organizations (CROs)
- Research and Development (R&D) companies
- Government research laboratories

**Route of Intervention**

- Intraventricular
- Epidural Sensor

**Technique**

- Invasive
  - External Ventricular Drainage (EVD)
  - Microtransducer ICP Monitoring
- Non-invasive
  - Transcranial Doppler Ultrasonography
  - Tympanic Membrane
Displacement (TMD) Analyzer
- Optic Nerve Sheath Diameter Sonography
- Fundoscopy (Papilladema)
- Magnetic Resonance Imaging (MRI)/ Computed Tomography (CT)

Device
- Intraventricular Catheter
- Subarachnoid Screw
- Epidural Sensors
- Non-invasive ICP Monitors
- Others

Application
- Traumatic Brain Injury
- Intracerebral Hemorrhage
- Subarachnoid Hemorrhage
- Meningitis
- Others

End-user
- Hospitals & Clinics
- Trauma Centers
- Others

Region
- Americas
  - North America
    - The U.S.
    - Canada
  - South America
- Europe
  - Western Europe
    - Germany
    - France
    - Italy Spain
    - K.
    - Rest of Western Europe
  - Eastern Europe
- Asia Pacific
  - Australia
  - Japan
  - China
  - India
  - Rest of Asia Pacific
- The Middle East & Africa
  - The Middle East
  - Africa
  - Rest of Middle East & Africa
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