Pediatric Craniosynostosis Treatment Market Research Information: By Type (Single-Suture, Double-Suture, Complex Multisuture), by Diagnosis (Genetic Testing, Imaging Studies), Treatment (Surgery, Baby Helmet Therapy), End-User - Global Forecast Till 2023

Market Scenario:

Craniosynostosis is a common cranial malformation resulting from the premature fusion of cranial sutures and changing of the skull’s growth pattern. Generally, craniosynostosis is classified into two broad categories, namely, syndromic and nonsyndromic. Syndromic craniosynostosis accounts for approximately 25% of reported cases, and results from more than 180 identified monogenic syndromes.

According to the study published in the Journal of Cranio-Maxillofacial Surgery in 2016, it was found that the prevalence of craniosynostosis is nearly 3.1 to 6.4 in 10,000 live births, which is reportedly rising. On considering the historical data, it is found that the prevalence of craniosynostosis, specially sagittal and metopic suture synostosis, has risen significantly from 1997 until 2013. It is also reported that Sagittal synostosis was the most common type among all i.e. 44%. The Sagittal synostosis occurs predominantly in males.

Notably, rising technological advancements is the key factor driving the pediatric craniosynostosis treatment market. It has been observed that most of population has been giving preference to minimally invasive surgery for the therapeutic purpose. The major appealing aspects about opting minimally invasive procedure are short hospital stay, less pain, small or no incision, quick recovery time, and reduction in blood loss.

Various other push factors such as increasing awareness among people, escalating prevalence of craniosynostosis, increasing government assistance, amendments in regulatory framework, and rising funding and reimbursement are continuously contributing to the growth of the global pediatric craniosynostosis treatment market.

Despite these drivers, there are some issues associated with the pediatric craniosynostosis treatment market. Lack of skilled physicians and endoscopists, challenges in research and development, risk of infections caused by endoscopes, high cost of treatment, and poor healthcare system in low and middle-income countries may hamper the market growth.

It is estimated that the pediatric craniosynostosis treatment market is expected to grow at a CAGR 6.0% during the forecast period of 2017–2023.

Research Methodology:
Intended Audience

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

Segmentation

The global pediatric craniosynostosis treatment market is segmented on the basis of type, diagnosis, treatment, and end-user.

On the basis of type, the market is segmented into single-suture synostosis, double-suture synostosis, and complex multisuture synostosis. The single-suture synostosis is further segmented into sagittal suture synostosis, coronal suture synostosis, metopic suture synostosis, and lambdoidal suture synostosis. The double-suture synostosis is further segmented into bicoronal, bilambdoid and sagittal plus metopic.

On the basis of diagnosis, the market is classified into physical examination, genetic testing, and imaging studies.

On the basis of treatment, the market is classified as stereotactic image guided endoscopic craniosynostosis repair, standard craniosynostosis surgery, baby helmet therapy, and others. The stereotactic image guided endoscopic craniosynostosis repair is further segmented into real-time stereotactic-endoscopic craniectomy and endoscopic strip sagittal craniectomy. The standard craniosynostosis surgery is further segmented into strip sagittal craniectomy, Frontal-Orbital Advancement (FOA), and Frontal-Occipital Reversal (FOR).

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

Regional Analysis
The Americas dominate the pediatric craniosynostosis treatment market owing to the rising awareness about disease and high healthcare expenditure. The total health expenditure in the United States was reported to be USD 3.2 trillion, suggested by the Centers for Disease Control and Prevention (CDC). Whereas, hospital care accounted for a share of 32.3%, in 2015.

Europe holds the second position in the pediatric craniosynostosis treatment market. It is expected that the support provided by the government and private associations for research & development and amendments in reimbursement policies in healthcare are likely to promote the market of the European region. The rising prevalence of craniosynostosis in the European region is also expected to boost the market growth. The prevalence of craniosynostosis is found to be around 7.2 per 10,000 live born children in the Netherlands, suggested by the Journal of Cranio-Maxillofacial Surgery in 2016.

Asia Pacific is the fastest growing region in the pediatric craniosynostosis treatment market owing to the developing healthcare technology. Healthcare expenditure is also found to be escalating in various Asian countries. As per the statistics suggested by the Australian Institute of Health and Welfare, the total health expenditure was USD 170.4 billion during the years 2015 to 2016 i.e. 3.6% higher than the expenditure of 2014 to 2015.

The Middle East & Africa holds the lowest market share in the pediatric craniosynostosis treatment market due to lack of technical knowledge and poor medical facilities.

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