SCOTTS INTERNATIONAL

Dental Bone Void Filler Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 111 pages | Mordor Intelligence

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Report description:

The Dental Bone Void Filler Market is projected to register a CAGR of 8% during the forecast period (2022-2027).

COVID-19 has affected the dental industry during the pandemic period. Due to the sudden imposition of lockdown and restriction of public movements by several governments across the work, the dental industry was recommended to focus only on emergency and urgent visits. These circumstances postponed many outpatients' visits and reduced the patient influx, thereby negatively impacting the growth of the dental bone void filler market. For instance, in May 2020, the article titled 'COVID-19 Outbreak-Immediate and long-term impacts on dental profession' stated that approximately nine out of ten dental practices had less than a quarter of their typical patient volume, with 82% of dental practices have had less than a quarter of typical income and revenue. Thus, the COVID-19 pandemic harmed the Dental Bone Void filler market. However, the patients have started to visit dentistry due to the relaxation of restrictions during the post-pandemic period.

The increasing popularity of bioceramics in dental reconstruction is the major driving factor for the market's growth. It is mainly due to the prevalence of dental issues among the global population. For instance, in March 2021, World Health Organization published that an estimated 2 billion people suffer from caries of permanent teeth and 520 million children suffer from caries of primary teeth. The report also stated that oral diseases affect nearly 3.5 billion people across the globe. The increasing number of dental and oral problems among the global population led to the demand for bioceramics in dental reconstruction.

Many research studies supporting the effectiveness of bioceramics are also contributing to the market's growth. For instance, in December 2021, the article titled 'Antimicrobial and Antibiofilm Properties of Bioceramic in Endodontics' published that bioceramic materials, with their biocompatible nature and excellent Physico-chemical properties, have been widely used in dental applications, including endodontics.

Moreover, the approvals from the regulatory authorities are propelling the growth of the market. in July 2022, curasan AG broadened orthobiologic portfolio with the launch of CERASORB CPC (Calcium Phosphate Cement) bone void fillers for maxillofacial, orthopedic and trauma surgery. Similarly in May 2022, the Food and Drug Administration (FDA) cleared Cerament G for use as a bone void filler in skeletally mature patients as an adjunct to systemic antibiotic therapy and surgical debridement as part of the surgical treatment of osteomyelitis.

Therefore, the increasing dental issues coupled with the increasing adoption of bioceramics for dental reconstruction is expected to boost the market's growth.

Dental Bone Void Filler Market Trends

The Tricalcium Phosphate Ceramics Segment is Expected to Hold a Major Market Share in the Dental Bone Void Filler Market Market.

The sudden outbreak of COVID-19 had a negative impact on the market growth due to sudden restriction of movements, thereby affecting the market's supply chain during the pandemic period.

The Tricalcium Phosphate Segment is expected to dominate the studied market during the forecast period. It is mainly due to the radiopacity, osteoconduction, and simplicity of handling offered by the Tricalcium phosphate during the void filling in dental cases. Research studies stating the effectiveness of tricalcium phosphate ceramics as evidence is also a contributing factor to the growth of this segment. For instance, in April 2021, an article titled 'Effectiveness of Beta-Tricalcium Phosphate in Comparison with Other Materials in Treating Periodontal Infra-Bony Defects Around Natural Teeth: A Systemic Review and Meta-Analysis." mentioned that beta-tricalcium phosphate appears to be a promising material for use in periodontal infra-bony defect regeneration around natural teeth. Similarly, in May 2021 Journal of dentistry mentioned that using tricalcium phosphate 5, also known as TCP, can minimize complications and failure of dental implants. Thus the increasing usage of tricalcium phosphate ceramics for filling the dental Voids is expected to boost the growth of this segment in the studied market during the forecast period.

North America is Expected to Hold a Significant Share in the Market and Expected to do Same in the Forecast Period.

The United States is likely to command the global market owing to the technological innovations in the Dental Bone Void Filler. Owing to the increase in the research and development activities in the biopharma sector in the United States region, the Dental Bone Void Filler market is expected to grow.

The robust growth of the Dental Bone Void Filler can be attributed to the increasing dental issues in this region. For instance, the Centers for Disease Control and Prevention (CDC) published in July 2021 that nearly 42.7% of adults aged 30 years and older have some form of periodontal disease in the United States. The same report mentioned that periodontal disease increases with age; 70.1% of adults 65 years and older have periodontal disease. This condition is more common in men than in women, which is 56.4% and 38.4%, respectively, in the United States. Thus the increasing dental issues in the United States region provide lucrative opportunities for the growth of the Dental Bone Void Filler market. Moreover, the presence of major market players and advanced technologies for product development is expected to mark this region with dominating share.

Moreover, according to the International Dental Journal's article titled, 'Risk Indicators of Tooth Loss among Mexican Adult Population: A Cross-Sectional Study,' published in February 2021, the prevalence of tooth loss was 57.2% due to tooth decay in Mexico. The study also reported that it is similar to the data reported in low- and middle-income countries. Such a high prevalence of tooth decay and loss generates a need for the dental bone void filler and is expected to drive market growth.

Additionally, an increase in research and development activities and the presence of favorable healthcare infrastructure are fueling the growth of the overall regional market to a large extent.

Dental Bone Void Filler Market Competitor Analysis

The Dental Bone Void Filler Market is fragmented and competitive and consists of several major players. In terms of market share, a few major players are currently dominating the market. Some companies currently dominating the market are Curasan, Inc, Olympus Terumo Biomaterials Corp, Graftys, DePuy Synthes Companies (Johnson & Johnson), Osteogene Tech, Wright Medical Group NV, Bone Support AB, and OrthoRebirth Co Ltd.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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