

Market Analysis- The Annual Conference on Craniofacial Surgery- Craniofacial 2020 | Amsterdam, Netherlands | March 23-24, 2020

Yoo Woung Sim

Department of Dermatology, Kyung Hee University Hospital Gangdong, Seoul, Korea, E-mail: sim@khmmc.or.kr

At the international level, there is a continuous debate on the need to level the playing field of OMFS training in different parts of the world and the measures taken towards it. In addition, there is an acute need to accept the emergence of new technology in practice and training and to consider competition from allied medical and dental specialists.

The International Association of Oral and Maxillofacial Surgeons (IAOMS) has been discussing this vexatious issue since its inception 50 years ago. It took most of the first forty years of sparring within the Association on this issue. Finally, in 2001, by accepting the International Guidelines for Training and Education in Oral and Maxillofacial Surgery, it was decided that regional differences in training existed and were acceptable. This document stated that the actual surgical training in the oral and maxillofacial regions was what qualified one to become an oral and maxillofacial surgeon in the country or region, regardless of whether one had a dental or medical qualification.

Market Research

According to a new study by Grand View Research, Inc., the Global Craniomaxillofacial Devices Market is expected to reach USD 1.71 billion by 2022. The demand for minimally invasive reconstruction surgery and increased incidence of facial fractures and are expected to thrive through the market for craniomaxillofacial devices over the period. The dissemination of novel procedures such as robotic arm assisted CMF surgery and bio-absorbable implants for cranial fixation are also expected to hike the demand for craniomaxillofacial devices over the period. Virtual plating technology, 3D implants and the development of cost-effective thoracic fixing devices are also expected to provide robust future growth opportunities for this market.

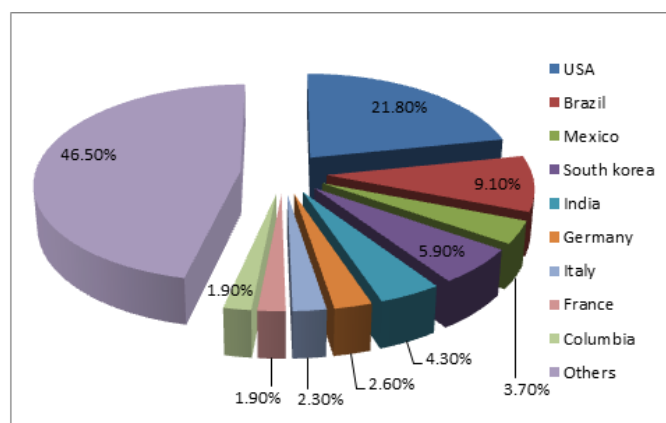


Figure 1. Percentage distribution of total surgical procedures performed.

In addition, the presence of favorable initiatives such as ASCFS (American Society of Craniofacial Surgery) in the U.S. and ISCFS (International Society of Craniofacial Surgery) conducting periodic symposia aimed at increasing the level of patient and surgeon awareness of CMF procedures is expected to boost utilization rates over the forecast period. The market is also expected to gain penetration due to an increasing geriatric population prone to osteoporosis and an increase in the rate of adoption of premium products such as titanium mesh for CMF surgery.

According to ASPS, the American Society of Plastic Surgeons, about 15.9 million minimally invasive cosmetic procedures were performed in the USA in 2015, a 2% increase from the previous year. Of which 14,2 million minimally invasive procedures and 1,7 million cosmetic surgical procedures have been performed. Both procedures registered a 2% increase in 2015. A total of 5.8 million reconstructive procedures have been carried out, with an increase of 1% in the USA in 2015. While plastic surgery has a large base in the US, it is more prevalent in South Korea. South Korea holds a leading position on the per capita market for plastic surgery. Taiwan, the leading Asian country, is known for its anti-aging practices such as facelifts and rejuvenation. Brazil has experienced a significant increase in the number of surgeries performed in the last few years.

SCOPE AND IMPORTANCE OF CRANIOFACIAL SURGERY:

Craniofacial disorder is one of the most important components of surgery. The main cause of craniofacial fractures is caused by motor vehicle accidents and also by some sport-related injuries. Some disorders are caused by congenital diseases. The disorder includes surgical and non-surgical treatments based on the complexity of the hard and soft tissues on the face, jaw and neck.

The scope of oral and maxillofacial surgery (OMFS) is currently very large. OMFS surgeons treat patients from newborn to elderly people. Newborn children are due to congenital deformities, including cleft lip or palate. OMFS surgeons are trained in all areas of specialty so that they can also work as general specialists. Some of the sub-specialties of oral and maxillofacial surgery include head and neck cancer, cleft lip and palate surgery, oral medicine, dentoalveolar surgery, trauma, aesthetic facial surgery, facial skin surgery, including facial and tumour removal.

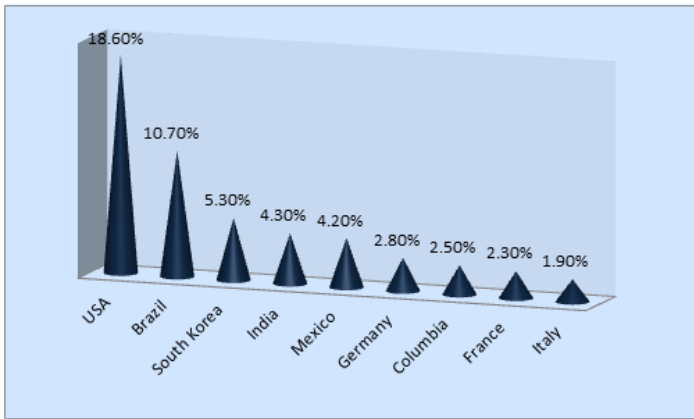


Figure 2. Total procedures- Top Plastic Surgery Countries

The global craniofacial market is anticipated to reach USD 2.68 billion by 2025, according to a Research. Increasing incidences of facial fractures and demand for minimally invasive surgery for reconstruction are expected to drive the CMF devices market over the forecast period. The associated benefits with minimally invasive **reconstructive surgeries** such as faster recovery, minimal incision to the body, and less complications associated with the surgery are anticipated to contribute further toward the market growth.

The exposure of technologically advanced procedures such as assisted CMF surgery robotic arm and bioabsorbable implants for cranial fixation are in demand. The advancement such as amplified use of virtual plating technology and development of cost effective thoracic fixation devices are attributing toward the rising demand.

The worldwide Craniomaxillofacial (CMF) gadgets/frameworks market measure was esteemed at USD 1.28 billion out of 2016 and is relied upon to develop at a CAGR of 8.6% over the figure time frame. Expanding interest for insignificantly **obtrusive surgeries** is relied upon to drive the CMF gadgets to advertise amid the gauge time frame.

Craniomaxillofacial devices item section envelops temporomandibular joint (TMJ) substitution, CMF diversion, Cranial fold obsession.

This predominance is credited to its wide utilization in different surgical strategies, for example, distortion revision, orthognathic surgery, tumor expulsion, and pediatric surgeries. Mechanical headway, for example, presentation of titanium cranial obsession framework and expanding viability of the gadgets are the components contributing towards the development of cranial fold obsession portion over the conjecture time frame. Also, bioabsorbable polymers based inserts are probably going to pick up ubiquity in not so distant future, contributing toward the portion development.

Bioabsorbable materials are relied upon to enroll lucrative development over the estimated time frame, as utilization of these inserts invalidates the odds of a moment surgery, required if there should arise an occurrence of metallic inserts and simple absorption in the body framework. Innovative headway in the **CMF surgery**, for instance, self-inforced innovation and preferences related to it, for example, biocompatible, effortlessly took care of degradable property and unwavering quality are the components anticipated that would push the market development.

Neurosurgery and ENT held the biggest income share starting at 2016, attributable to expanding rate of injury and the spinal issue requiring cerebrospinal liquid (CSF) administration amid surgery.

North American nations dominated the general market regarding income share in 2016 inferable from expanding occurrence of facial distortions and facial breaks. Moreover, the presentation of mechanically progressed cranial inserts, rising interest for insignificantly obtrusive surgeries, the nearness of complex human services foundation and high patient mindfulness levels are the components crediting to the amazing development of **craniomaxillofacial** gadgets in this district. U.S. represented the biggest income share in 2016.

Contact:

Cailey Fernandez

Program Manager | Craniofacial 2020

E: Craniofacial@alliedforums.org

W: (44) 178 550 8016