

Market Analysis

Anesthesia: Enduring operation of life Dr. Baris Canakaya University of Ankara, Turkey

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Healthcare in developing countries is undergoing research technologies for development in respective field. Population is growing day by day which leads to increased demand for medical devices. The growing burden of diseases and innovative medical treatments account for nearly two-thirds of the rise in expenditure. Moreover 55% of population is expected to increase during the forecast period. According to a report analyzed from the recent advancements and research technologies, it is estimated that onethird of all global health expenditure will be sustained by emerging economies, by 2022. Medical care is one such area in which individuals tend to increase spending as incomes grow. The healthcare industry in the emerging markets has been growing rapidly in Brazil, Russia, India, China, and South Africa. In 2014, the healthcare market, in most of the countries, capitalized at more than USD 850 billion, at a compound rate of 9.1%, which is significantly greater than the aggregate GDP growth rate of those countries.

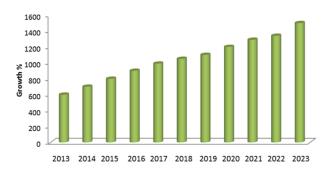
Increase in the number of surgeries performed globally is the major factor that is contributing to the growth of global inhalation anesthetics market. For instance, according to the annual estimates of Sedana Medical, there were about 4.5 to 7.5 million people ventilated and sedated worldwide in 2017. Furthermore, rise in population pool, increase in a number of the geriatric population prone to chronic diseases, growing demand for a lesser duration of hospitalization, and increasing accessibility to health services are some of the other factors responsible for the growth of global inhalation anesthetics market. As per to the UN reports, the global population aged 60 years or over numbered 962 million in 2017, more than twice as large as in 1980 when there were 382 million older persons worldwide. The number of the older population is expected to double again by 2050, projected to reach nearly 2.1 billion. However, side effects associated with the inhalation anesthetics, there is a lower adoption rate in case of inhaler anesthetics in certain surgical procedures, generic competition for almost all of the halogenated agents and recent patent expiries are restraining the inhalation anesthetics market growth.

Globally the market value of the anesthetics size was valued at USD 14.1 billion in 2018 and is expected to register a CAGR of 8.5% from 2019 to 2026. Increasing number of surgical procedures being performed coupled with technological advancements in the field is anticipated in treatments for determination the market.

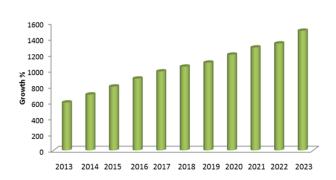
Increasing awareness of patients and high incidence of anesthetic implications in cardiac related diseases, gastrointestinal diseases, and prevalence of anesthesiology in increased demand for surgeries. Inhalational anesthetics are used for the induction and maintenance of general anesthetics are sevoflurane, desflurane, and nitrous oxide. Of these, sevoflurane is the most common because of its rapid onset of action and the fact that patients recover quickly from it. Inhalational anesthetics cause respiratory depression, a decrease in arterial blood pressure and cerebral metabolic demand, and an increase in cerebral blood flow. While side effects differ based on the substance (e.g., halothane can cause hepatotoxicity), the most common side effect is nausea. Anesthetic drug penetration in todays world are ranging as streptocaine.

The evolution of anesthesia machines has encompassed the journey from being standalone non-networked systems to networked anesthesia workstations that comprise anesthesia monitors and anesthesia information systems (AIMS). The last decade has witnessed manufacturers introducing anesthesia machines with features, such as advanced ventilators, additional and new modes of ventilation, graphical screens, and loops that offer a clearer picture of the patient, with a major proportion of the ventilators being electronic and driven by software. The buyer now has several advanced ventilation options to choose from, such as synchronized intermittent mandatory ventilation (SIMV), pressure support ventilation (PSV) and pressure controlled ventilation-volume guaranteed (PCV-VG), with the additional alternative of either updating them or purchasing them on a prioritized basis.

Global Anesthesia Monitoring Device Market

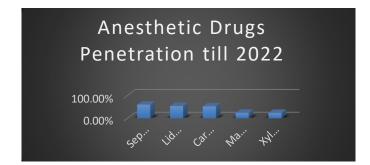


Global Anesthesia Monitoring Device Market



Procuring refurbished anesthesia equipment has been a significantly noticeable trend among a number of healthcare organizations, clinics and outpatient surgery centers. The familiarity of anesthetists with a specific machine due to years of proficiency in using it and longer waiting periods for new equipment to be delivered are factors that have opened the gates for refurbishers to enter the anesthesia equipment marketplace. Other reasons for investing in comparatively cheaper refurbished equipment include easy availability of spare parts that can help in keeping the machines in proper working order, which can also be used in cases of maintaining back-ups. Readily available parts help in decreasing downtime, and facilities with extensive research departments opt for refurbished equipment for extending their purchasing power within limited budgets, thereby ensuring that resources are either stretched to the maximum or employed for other gainful and unavoidable requirements. Procuring refurbished anesthesia equipment has been a significantly noticeable trend among a number of healthcare organizations, clinics and outpatient surgery centers. The familiarity of anesthetists with a specific machine due to years of proficiency in using it and longer waiting periods for new equipment to be delivered are factors that have opened the gates for refurbishers to enter the anesthesia equipment marketplace.

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Anesthesia affects the whole body, rendering patient's unconscious and unable to move. Surgeons use it when they operate on internal organs and for other time-consuming procedures such as back surgery. Without general anesthesia, life-saving procedures would not be possible, including open-heart surgery, brain surgery, and organ transplants. Surgery is the method of dispensing medicines that prevent the sensations of pain or other phenomena to allow medical or surgical operations to take place without causing undue distress or discomfort.

Dr. Baris Cankaya will be taking privilege of felicitating as organizing committee member. In association with organizing committee members Critical Care 2020 is scheduled on i.e., 13th International Conference on Anesthesiology and Critical Care, which is scheduled to be held during June 01-02, 2020 at Istanbul, Turkey and Focusing on the theme "Anesthesia: Enduring operation of life".