

Surgical Energy Generators - Market Insights, Competitive Landscape and Market Forecast-2026

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Abstracts

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Surgical Energy Generators Market By Product Type (Monopolar Generators, Bipolar Generators And Combination Generators), By Application (Cardiology, Gynecology, Ent, Bariatric, Orthopedic, And Others), By End User (Hospitals, Specialty Clinics, And Others), by geography is expected to grow at a steady CAGR forecast till 2026 owing to the rising prevalence of chronic diseases such as benign prostatic hyperplasia and cancers

The Global Surgical Energy Generators Market is estimated to grow at a CAGR of 3.37% during the forecast period from 2021 to 2026. The demand for surgical energy generators is witnessing growth due to the growing prevalence of chronic diseases such as cardiovascular diseases, benign prostatic hyperplasia, cancers, rising geriatric population, and technological advancements in product development and design improvement.

Surgical Energy Generators Market Dynamics:

The surgical energy generators market is witnessing an increase in market revenue owing to the rising prevalence of various diseases such as benign prostatic hyperplasia (BPH). As per the data provided by the United Nations, in 2020, there were about 722,133,150 elderly people across the globe; out of which 324,307,943 were males. Being 40 and above and a male are considered as major risk factors for developing BPH. The condition can be extremely discomforting to patients leading to inability to pass urine and making them prone to severe bladder infections among other adversities. One of the key treatment methods for the surgical treatment of BPH is the use of bipolar

electrosurgery as it offers advantages such as include the ability to use isotonic saline during surgery, reduced blood loss and less heat damage to the surrounding tissue. Therefore, the rising incidence of BPH would lead to the increase in the demand for electrosurgical procedures, thereby aiding in the surgical energy generators market growth.

Another key factor responsible in the growth of the surgical energy generators market is the rising prevalence of various cancers. Skin cancer is one of the most common type of cancers where electrosurgery is used as one of the treatment methods. As per the data provided by the World Health Organization (2021), skin cancer was the fifth most common type of cancer in 2020 accounting for near about 1.20 million new cases of non-melanoma skin cancer across the globe. Electrosurgery may be done after carrying out curettage to destroy any remaining cancerous cells and also control bleeding. Therefore, the rising prevalence of cancers of different etiologies are also expected to contribute in the growing demand for electrosurgery procedures, which in turn are expected to aid in the increase in demand for surgical energy generators, eventually taking the global surgical energy generators market forward during the forecast period.

However, electrosurgery procedure-related risks, knowledge-gaps in the safe use of energy-based devices, and limited applicability of electrosurgery in patients with implanted electronic devices may prove to be certain restraining factors to the surgical energy generators market growth.

In addition to the previously mentioned factors, the surgical energy generators market witnessed a period of temporary setback due to the imposing of the lockdown restrictions as necessary measures to contain the COVID-19 spread. One of the major steps during this was the suspension of numerous elective procedures and outpatient visits which reduced the demand for surgical energy generators in the market as various RF ablation procedures were deemed non-essential during the initial lockdown period, thereby limiting the market growth for a short time. Nevertheless, the market for electrical surgery generators is on the path to recovery with the resumption of activities across various domains including healthcare services owing to the approval and administration of numerous COVID-19 vaccines across the globe, thereby presenting a positive future outlook for the surgical energy generators market in the forecast period.

Surgical Energy Generators Market Segment Analysis:

Surgical Energy Generators Market by Product Type (Monopolar Generators, Bipolar Generators and Combination Generators), by Application (Cardiology, Gynecology,

ENT, Bariatric, Orthopedic, and Others), by End User (Hospitals, Specialty Clinics, and Others), and by Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the product segment of the surgical energy generators market, the combination systems are project to amass a significant share of the market revenue for surgical energy generators. This can be attributed to the versatility offered by these devices during electrosurgical procedures. Combination systems are capable of offering both monopolar and bipolar modes employed during electrosurgery. Owing to the advantages associated with the respective surgery modes such as monopolar mode is helpful in various applications as monopolar mode offers variety of electrosurgical waveforms that have different effects on tissue and bipolar mode helps in procedures where concentrated energy is required at a specific area. Thus, the factors mentioned above are expected to lead the product category towards significant revenue generation in the surgical energy generators market during the forecast period.

North America is expected to dominate the Overall Surgical Energy Generators Market:

Among all the regions, North America is expected to account for the significant market share in the surgical energy generators market. North America is predicted to account for the dominant revenue share because of the high prevalence of orthopedic disorders such as such arthritis among other factors, rising population of the elderly, increasing prevalence of periodontal diseases as well as high awareness among people regarding disease management and the new product launches in the region.

The North America surgical energy generators market is witnessing an upward trend due to the rising prevalence periodontal disease among other factors. As per the data provided by the National Institute of Dental and Craniofacial Research (United States), as of August 2021, periodontal disease is one of the significant health problems in the country with nearly two out of five adults suffering from the disease in varying degrees. Periodontal disease may result in swollen, red, and tender gums and may also result in the loss of permanent teeth among other problems. Electrosurgery is a commonly employed method in aesthetic and restorative dentistry which helps in dental restorations and the surrounding soft tissue. Hence, the increasing patient pool of periodontal disease in the country may result in the growing demand for electrosurgery, which in turn will boost the surgical energy generators market growth in the country as well as the region.

Moreover, the Public Health Agency of Canada published the following data that in

2020, approximately 3.9 million (13.6%) Canadians over the age of 20 years live with diagnosed osteoarthritis. It has been reported in numerous studies that electrosurgery is a necessary technique that is being used in almost every surgical procedure used for the cutting and controlling bleeding of tissues at the same time during orthopedic surgeries such as total knee arthroplasty and meniscectomies. Therefore, the increase in number of patients suffering from osteoarthritis in Canada is expected to drive the demand for electrosurgical procedures, thereby in the overall growth of the surgical energy generators market in the North American region.

The above-mentioned facts point towards the presence of diverse patient pool in the country as well as region that may benefit from the utilization of surgical energy generators in order to perform electrosurgeries across different medical specialties. Furthermore, the well-established patient care system along with procedure-based reimbursement programs are expected to further aid in the growing demand for surgical energy generators in the North American region.

Moreover, the prompt and well-established healthcare services and infrastructure further contributes to the growth of the regional surgical energy generators market. The presence of key players in the region and supportive reimbursement programs further provide immense growth opportunities for surgical energy generators market.

Therefore, all the factors mentioned above would collectively contribute in the growth of the North America surgical energy generators market during the forecast period, ultimately driving the surgical energy generators market growth.

Surgical Energy Generators Market Key Players:

Some of the key market players operating in the surgical energy generators market includes Medtronic, Olympus., CONMED Corporation, Symmetry Surgical Inc., Applied Medical Resources Corporation, ERBE GmbH, Kirwan Surgical Products, LLC, KARL STORZ GmbH, Sutter Medizintechnik GmbH, Johnson & Johnson Medical N.V, STARmed Co., Ltd., CooperSurgical, Inc., MEDGYN PRODUCTS, INC , Stryker, Boston Scientific Corporation, Bramsys, RF Medical Co., Ltd, OSYPKA AG, Avanos Medical, Inc., AngioDynamics and others.

Recent Developmental Activities in Surgical Energy Generators Market:

In October 2021, Boston Scientific Corporation announced the acquisition of Baylis Medical Company Inc thereby providing an opportunity to Boston

Scientific to expand their electrophysiology and structural heart portfolio.

In May 2019, Olympus launched the ESG- 150 Electrosurgery Generator (ESG-150) after receiving product approval from the US Food and Drug Administration.

In January, 2017, Johnson & Johnson Inc. acquired Megadyne Medical Products, Inc focused on developing electrosurgical tools used in operating rooms.

Key Takeaways from the Surgical Energy Generators Market Report Study

Market size analysis for current surgical energy generators market size (2020), and market forecast for 5 years (2021-2026)

The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the surgical energy generators market.

Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

Key companies dominating the global surgical energy generators market.

? Various opportunities available for the other competitor in the surgical energy generators market space.

? What are the top performing segments in 2020? How these segments will perform in 2026.

? Which is the top-performing regions and countries in the current surgical energy generators market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for surgical energy generators market growth in the coming future?

Target Audience who can be benefited from this Surgical Energy Generators Market

Report Study

? Surgical Energy Generators products providers

? Research organizations and consulting companies

? Surgical Energy Generators-related organizations, associations, forums, and other alliances

? Government and corporate offices

? Start-up companies, venture capitalists, and private equity firms

? Distributors and Traders dealing in surgical energy generators

? Various End-users who want to know more about the surgical energy generators market and latest technological developments in the surgical energy generators market.

Frequently Asked Questions for Surgical Energy Generators Market:

1. What is a Surgical Energy Generator?

An electrosurgical generator is a component of electrosurgical unit which is a device that uses high-frequency (HF) electrical currents to cut or coagulate tissue during surgery, known as electrosurgery. It consists of an electrosurgical generator that transforms electrical energy into HF current.

2. What is the market for Global Surgical Energy Generators?

The Global Surgical Energy Generators Market is estimated to grow at a CAGR of 3.37% during the forecast period from 2021 to 2026.

3. What are the drivers for Global Surgical Energy Generators Market?

The surgical energy generators market is witnessing growth due to the growing prevalence of chronic diseases such as cardiovascular diseases, cancers, benign prostatic hyperplasia, rising geriatric population, and technological advancements in product development and design improvement.

4. What are the key players operating in Global Surgical Energy Generators Market?

Some of the key market players operating in the surgical energy generators market includes Medtronic, Olympus., CONMED Corporation, Symmetry Surgical Inc., Applied Medical Resources Corporation, ERBE GmbH, Kirwan Surgical Products, LLC, KARL STORZ GmbH, Sutter Medizintechnik GmbH, Johnson & Johnson Medical N.V, STARmed Co., Ltd., CooperSurgical, Inc., MEDGYN PRODUCTS, INC, Stryker, Boston Scientific Corporation, Bramsys, RF Medical Co., Ltd, OSYPKA AG, Avanos Medical, Inc., AngioDynamics and others.

5. Which region has the highest share in Surgical Energy Generators market?

Among all the regions, North America is expected to account for the significant market share in the surgical energy generators market. North America is predicted to account for the dominant revenue share because of the high prevalence of orthopedic disorders such as such arthritis among other factors, rising population of the elderly, increasing prevalence of periodontal diseases as well as high awareness among people regarding disease management and the new product launches in the region.

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