

Saudi Arabia Minimally Invasive Surgery Devices - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

Saudi Arabia's minimally invasive surgery devices market is believed to witness a CAGR of around 6.8% over the forecast period.

Key Highlights

-COVID-19 significantly impacted the Saudi Arabia minimally invasive surgery devices market in the early pandemic due to the reduction and postponement of surgical procedures. For instance, according to a study published in the Asian Journal of Urology in March 2021, 75% of elective endourological surgeries declined during the pandemic. Furthermore, according to the study published in Cureus in November 2022, hospital visits decreased significantly during the COVID-19 pandemic.

-The early release practices established in COVID-19 procedures to lower the risk of infection contributed significantly to the decrease in the mean length of hospital stay during the pandemic. The postponement and cancellation of procedures led to a rise in the intensity of symptoms. This led to a surge in minimally invasive surgeries late in the pandemic to complete the lagging cases. The postponement and cancellation of procedures led to a rise in the intensity of symptoms. This has led to a surge in minimally invasive surgeries during the late pandemic to complete the lagging cases. In addition, the market is expected to grow at a significant pace post-pandemic due to increased adoption of the minimally invasive surge, which is expected to drive the market growth.

-The factors driving the market growth include the higher acceptance rate of minimally invasive surgeries over traditional surgeries and the increasing prevalence of lifestyle-related and chronic disorders.

-According to the study published in Urology Annals in July 2022, in urological practice, minimally invasive robotic technology has advanced significantly in Saudi Arabia, replacing many open procedures and integrating them into standard clinical practice. Such higher acceptance of minimally invasive surgeries (MIS) in the country is expected to drive market growth over the forecast period due to increased adoption of MIS devices.

-Furthermore, according to the Saudi Gazette, in July 2023, the rate of occurrence of cancer was 1.3% in men and 1.8% in women

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in 2022. Furthermore, according to the same source, the incidence of cancer increased by 1.6% in the first quarter of 2022 compared to 2021. Therefore, the rising incidence of chronic diseases such as cancer is anticipated to increase the demand for minimally invasive surgeries, driving market growth.

-Therefore, factors such as rising acceptance and adoption of surgeries, along with the rising burden of chronic disease, are expected to drive the market growth. However, a shortage of experienced professionals is believed to hinder the market growth over the forecast period.

Saudi Arabia Minimally Invasive Surgery Devices Market Trends

Endoscopic Devices are Expected to Witness Strong Growth Over the Forecast Period

- Endoscopy is a process of insertion of a long, thin tube directly into the body to observe an internal organ or cavity of the body. The huge benefits of the endoscope to carry out minimally invasive surgeries, such as minimizing the incision size, exposure of the internal body cavity, and decreased recovery time, are all anticipated to drive the segment growth.

- According to the study published in Oral Maxillofacial Surgery in August 2022 in Saudi Arabia, the minimally invasive genioplasty technique, which includes the utilization of an endoscope, is a promising approach to performing a chin osteotomy and should be used instead of the traditional genioplasty procedure. Thus, the growing trend of minimally invasive surgeries in Saudi Arabia for different surgical procedures is anticipated to boost market growth over the forecast period.

- Additionally, according to the study published in the Multidisciplinary Digital Publishing Institute (MDPI) Journal in February 2022, interventional endoscopy, surgery, and imaging technologies are used in a multidisciplinary effort to diagnose the condition, stage it, and choose the best treatment option for rectal neoplasia. There is strong evidence that adenomatous polyps can be found and removed endoscopically to prevent colorectal cancers. Thus, the evolution of various minimally invasive endoscopic procedures in Saudi Arabia expands the market growth over the forecast period.

- Furthermore, according to the study published in the MDPI Journal in February 2022, in Saudi Arabia, Minimally invasive surgeries comprising surgical approaches, including endoscopic surgery and others, have varied advantages, such as reduced postoperative pain, shorter hospital stay, faster recovery time, and reduced learning curve for surgical trainees. Such advantages of minimally invasive surgeries with endoscopes will lead to its increased adoption, driving the market growth over the forecast period.

- Moreover, in July 2023, as part of the Saudi-Japanese Vision 2030, Saudi Arabia entered a strategic partnership with Japan to make developments in the field of endoscopy and laparoscopic treatment. The initiative from the government of Saudi Arabia on endoscopy development is anticipated to propel the market growth over the forecast period due to the development of innovative endoscopy devices.

- Thus, owing to the huge benefits of endoscopes and rising government initiatives on endoscopy development, they are expected to show market growth over the forecast period.

Electrosurgical Devices is Expected to Hold a Significant Share in the Market Studied

- Radiofrequency (RF) alternating current is used in electrosurgery to raise the intracellular temperature of the tissue by inducing intracellular oscillations of ionized molecules. In operating rooms of hospitals or during outpatient treatments, electrosurgical instruments are commonly utilized to prevent blood loss. The rising benefits of electrosurgery in different surgical procedures, such as control over bleeding and rapid dissection of soft tissues in surgery, are expected to drive segment growth.

- According to the study published in Scientific Reports in January 2021 in Saudi Arabia, to study the effects of conjunctivochalasis (CCh) and its treatment with high-frequency radio wave electrosurgery (HFR-ES) on the signs and symptoms of dry eye disease.

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The lower tear meniscus and reservoir were successfully rebuilt using the HFR-ES for CCh modality. Hence, the diverse application of electrosurgery, including dry eye disease, is expected to drive segment growth due to the increased adoption of electrosurgical devices in HFR-ES.

- Furthermore, according to the study published in the Journal of Taibah University Medical Sciences in December 2022, electrosurgical devices have become a requirement in operating rooms, and to boost electrosurgery skills, official electrosurgery training programs should be implemented in Saudi hospitals, and surgeons should undergo regular re-examinations. Such studies help in the implementation of electrosurgical training in hospitals, thereby expected to drive the segment growth over the forecast period due to the rising adoption of electrosurgical devices. Therefore, factors such as rising applications and rising demand for electrosurgical devices are expected to drive the segment growth.

Saudi Arabia Minimally Invasive Surgery Devices Industry Overview

The market for minimally invasive surgery devices in Saudi Arabia is moderately competitive with the presence of global as well as local companies. The factors owing to the competition include the rising initiatives from the key market players, such as the launch of surgical device products, and rising partnerships and expansions. Some of the key players in the market include Abbott Laboratories, GE Healthcare, Intuitive Surgical Inc., Koninklijke Philips NV, Medtronic PLC, and Olympus Corporation, among others.

Additional Benefits:

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

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