

UAE Spinal Surgery Devices - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The United Arab Emirates spinal surgery devices market is expected to register a CAGR of 5.8% during the forecast period.

The COVID-19 pandemic had a significant impact on the country's healthcare systems with significant consequences not only for COVID-19-infected patients but also for others, which resulted in the cancellation of spinal surgeries to manage and reserve resources, and many hospitals experienced a shortage of professionals to assist with these surgeries. For instance, as per an article published by NCBI, in June 2021, about 80% of elective surgical cases were postponed in the country to avoid the spread of coronavirus among the population. This has impacted the demand for spinal surgery devices in the country. However, with the released COVID-19 restrictions, spine surgical procedures have increased which has propelled the demand for surgical devices. Thus, the market has witnessed significant growth after the pandemic and is expected to gain its full potential over the forecast period.

Factors such as the increasing cases of spine injuries and technological advancements in spine surgery are boosting the market growth.

Besides, the incidence of obesity and spinal injuries is increasing as the population with a higher body mass index (BMI) is more vulnerable to spine-related disorders and back pain. The demand for spinal surgeries among obese patients is likely to increase the risk of spinal injuries or deformations which in turn is anticipated to fuel the market growth over the forecast period. For instance, according to an article published in MDPI, in September 2021, it has been observed that non-traumatic spinal cord injuries, such as spinal cord compression, tumor in the spinal cord, inflammatory causes or autoimmune causes, damage from radiation, infection or disruption of blood to the spinal cord, are much more common among the population living in the United Arab Emirates.

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Furthermore, minimally invasive spine surgery (MISS) offers an alternative to conventional open surgical techniques for treating a variety of spinal problems, including spinal stenosis, degenerative disc disease, herniated discs, scoliosis, and others. These minimally invasive spine surgeries offer numerous possible benefits such as smaller incisions, less cutting into soft tissues (including ligaments and muscles), outpatient possibilities, reduced post-operative pain, and quicker recovery. Such benefits offered by minimally invasive spine surgery are anticipated to increase its adoption among surgeons, which is expected to augment the market growth over the forecast period.

Moreover, the rising company activities in developing spinal surgery devices are also contributing to the market growth. For instance, in October 2021, NuVasive, Inc. launched Cohere TLIF-O implant and also announced the upcoming launch of the Cohere TLIF-A implant for posterior spine surgery. Also, in January 2022, Auxein Medical launched several orthopedic implants (including spinal implants) and arthroscopy systems at Arab Health. The company's implants and tools empower surgeons in more than 70 countries to carry out minimally invasive surgeries.

Therefore, owing to the factors, such as the high burden of spinal injuries, the diabetic population, and growing product launches, the studied market is anticipated to grow over the forecast period. However, the stringent regulatory process for new product approvals is likely to hinder the growth of spinal surgery devices in the United Arab Emirates over the forecast period.

UAE Spinal Surgery Devices Market Trends

Thoracolumbar Fusion Segment is Expected to Register Significant CAGR Over the Forecast Period in the UAE Spinal Surgery Devices Market

Thoracolumbar fusion is a complex procedure that requires the use of screws that are inserted between the vertebrae to be fused, followed by the placement of bone graft material around the screws. The screws that are used during this operation are made of titanium and are usually placed for a lifetime. It provides an effective treatment option for patients suffering from lumbar spinal stenosis and advanced alternative treatment for decompression spine surgery. The physiological changes in the body of older people and prolonged exposure to risk factors increase the incidence rates of spine disorders, which may require surgical intervention.

The thoracolumbar fusion segment is expected to witness significant growth over the forecast period owing to the factors such as the increasing numbers of spinal disorders and the growing geriatric population. Trauma falls, crashes, and traffic accidents are all common causes of spinal fusion injuries. For instance, as per an article published in NCBI, in June 2022, it has been observed that in the United Arab Emirates, a herniated or compressed disc is the most common cause of back pain, accounting for five to twenty cases per 1,000 persons each year. Also, according to the 2022 statistics published by United Nation Population Fund, about 83% of the people living in the United Arab Emirates were aged between 15-64 years, and 2% of the population was aged 65 years and above in 2022. Thus, the high number of spinal disorders cases among the population and aging population who are more prone to develop age-related problems is expected to increase the demand for spinal surgeries due to unstable spine, hence propelling the growth of the segment.

Therefore, due to the aforementioned factors, such as spinal problems and the aging population, the studied segment is expected to grow over the forecast period.

Arthroplasty Devices Segment is Expected to Have the Significant Market Share Over the Forecast Period

Artificial disc replacement, also known as arthroplasty, is the replacement of a damaged spinal disc with an artificial manufactured disc. An artificial disc is developed to support the vertebrae while maintaining rotation, side-to-side bending, and

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back-and-forth bending.

The arthroplasty devices segment is expected to grow over the forecast period owing to the factors such as the increasing number of spinal deformities among the population that experience an unstable movement of the lumbar spine or immobilizing a painful vertebral motion.

According to an article published in the Journal of Orthopedic Translation, in September 2022, it has been observed that total disc arthroplasty, or artificial disc replacement, has become more widely used by surgeons to lower the risk of adjacent segment disease (ASD) and intersegmental immobility and it is considered as the viable treatment options for lower cervical spine following fusion (ACDF). In addition, as per the same source, artificial disc arthroplasty was primarily developed to reduce the occurrence of ASD and restore the flexible function of surgically removed intervertebral discs. This has increased the adoption of arthroplasty devices among surgeons and is commonly practiced in clinics. This is anticipated to fuel the segment's growth.

Therefore, due to the aforementioned factors the studied segment is anticipated to grow over the forecast period.

UAE Spinal Surgery Devices Industry Overview

The United Arab Emirates spinal surgery devices market is moderately competitive and consists of several major players. Moreover, with increasing technological advancements and product innovations, mid-size to smaller companies are growing their market presence by introducing new technologies with better usability. The key players operating in the market are Medtronic Meta FZ-LLC, Stryker ESCS BV, Johnson & Johnson United Arab Emirates, Karl Storz United Arab Emirates, Fujifilm Middle East FZE, and NuVasive, Inc. among others.

Additional Benefits:

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

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