

Surgical Tourniquets - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The surgical tourniquets market is expected to grow from USD 0.55 billion in 2024 to USD 0.81 billion by 2029, registering a CAGR of 8.0% during the forecast period of the study.

The COVID-19 pandemic significantly impacted the number of orthopedic surgeries during the initial phase. For instance, according to an article published by PubMed in August 2021, a study was conducted in Chile, showing a 22.8% decline in orthopedic surgeries during the pandemic. Furthermore, according to an article published by PubMed Central in January 2022, the COVID-19 pandemic significantly reduced the number of orthopedic trauma services during the lockdown phase. Thus, owing to the pandemic, the overall orthopedic care market was significantly impacted during the initial pandemic phase, reducing surgical tourniquets' usage. However, as the pandemic has subsided, orthopedic care has returned to normal, so the studied market is expected to have stable growth during the forecast period of the study.

Factors driving the growth of the studied market include the rise in trauma cases, the increased number of hospitals and the adoption of advanced healthcare infrastructure, and the rise in the geriatric population.

The increasing geriatric population worldwide and the rise of orthopedic diseases such as arthritis and osteoporosis are the mainstays of the surgical tourniquets market. For instance, according to an article published by Frontiers in Rehabilitation Sciences in April 2023, it is estimated that osteoarthritis affects about 3.3 to 3.6% of the population globally, and it causes moderate to severe disability in 43 million people, making it the 11th most debilitating disease worldwide. The article also stated that in the United States, it is estimated that 80% of the population over 65 years old has radiographic evidence of osteoarthritis. However, only 60% of this subset has symptoms. The growing prevalence of arthritis and the increasing burden of arthritis conditions among the elderly are expected to boost the market growth, as surgical tourniquets are expected to be increasingly

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used during the surgical treatment procedures of arthritis.

Furthermore, according to the World Population Prospects: 2022, published by the UN in 2022, it was estimated that the share of the global population aged 65 years or above is projected to rise from 10% in 2022 to 16% in 2050. As a person ages, his bones become weaker, making him more prone to surgical treatments. Thus, with the aging population, the usage of surgical tourniquets is expected to increase during orthopedic surgeries, which is expected to enhance future market growth.

Hence, due to the factors above, such as the rising prevalence of orthopedic diseases such as arthritis and the rising geriatric population, the studied market is expected to experience growth during the forecast period of the study. However, factors such as the lack of skilled professionals and the risk of infectious disease transmission are expected to impede the market's growth.

Surgical Tourniquets Market Trends

Tourniquets Systems are Expected to Hold A Significant Market Share in the Surgical Tourniquets Market Over the Forecast Period

The tourniquet systems are expected to hold a significant market share due to the rising demand for joint replacement surgeries, and as they are widely used due to their ability to create a bloodless field during orthopedic surgery that helps surgeons to decrease the procedural time.

According to an article published by the scientific report in June 2022, tourniquet use was considered a standard procedure during total knee arthroplasty (TKA); it is mainly used to reduce blood loss and obtain a bloodless surgical field for soft tissue resections, osteotomies, and the implantation of prostheses in the knee. Thus, the rising usage of tourniquets in popular procedures such as total knee arthroplasty is expected to boost segment growth.

Furthermore, the rising use of surgical tourniquet systems in orthopedic surgeries is also expected to boost segment growth. For instance, according to an article published by the Journal of Experimental Orthopedics in July 2022, tourniquet use became common in orthopedics during extremity surgery. The tourniquet has been used extensively during total knee arthroplasty (TKA), with over an estimated 90% of surgeons in the United Kingdom and the United States routinely employing it for treating TKAs.

Moreover, the rising prevalence of orthopedic disease coupled with the rising geriatric population is also a major factor driving the segment's growth. For instance, according to an article published by PubMed Central in March 2022, the rapid aging of the world's population will boost the need for orthopedic implants as the prevalence of orthopedic diseases is also expected to increase.

Hence, due to the factors above, such as the rising usage of tourniquet systems in orthopedic surgeries and the rising prevalence of orthopedic diseases coupled with the rising geriatric population, the studied segment is expected to experience growth during the forecast period.

North America is Expected to Hold a Significant Share the Market Over the Forecast Period.

North America has been the primary market for surgical tourniquets, owing to the rise in the number of road traffic accident cases and cosmetic surgery cases, the rising prevalence of orthopedic diseases, the rising geriatric population, and an increase in the adoption of advanced technologies.

The growing elderly population is expected to drive the market segment's growth. For instance, according to the data published by the World Bank Group in 2022, the population aged 65 and above as a percentage of the total population was 17.04% in the United States, 18.56% in Canada, and 7.83% in Mexico in 2021. In addition, according to the data published by Statistics Canada

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in July 2022, it is estimated that around 7,330,605 people are aged 65 years or older in Canada, accounting for 18.8% of the total population. As the geriatric population is more prone to fractures and other orthopedic diseases, it is expected to drive the market's growth.

Moreover, the rising number of road traffic accidents is also expected to boost market growth as it would increase the usage of surgical tourniquets in emergency orthopedic surgeries. For instance, according to the data updated by the Ontario Provincial Police (OPP) in February 2023, there was a 20% increase in road traffic collisions in Ontario, Canada, 2022 compared to 2021. The source stated that there were 60,659 road traffic collisions in 2021 and 74,172 in 2022.

Furthermore, according to an article published by PubMed Central in June 2022, the demand for total knee arthroplasty (TKA) in the United States is anticipated to increase by 673% in 2030 from the past 25 years, with an estimated 5.28 million TKAs to be done annually. As average life expectancy increases, younger and more active patients are expected to undergo TKAs, which is also expected to boost the usage of surgical tourniquets. Thus, the rising total knee arthroplasty procedures in the United States are expected to boost the market growth in the region.

Thus, due to the abovementioned factors, such as the rising total knee arthroplasty procedures and the rising geriatric population, the North American region is expected to experience growth during the forecast period of the study.

Surgical Tourniquets Industry Overview

The surgical tourniquets market is moderately competitive and consists of several major players. A few of the major players are currently dominating the market in terms of market share. Some prominent players are launching new products, while others are distributing the products. Some companies currently dominating the market are Zimmer Biomet, Stryker Corporation, Ulrich Medical, Hammarplast Medical AB, and AneticAid Ltd.

Additional Benefits:

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

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