

Cruciate Ligament Repair Procedures Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 115 pages | Mordor Intelligence

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Report description:

The cruciate ligament repair procedures market is expected to register a CAGR of 8.5% during the forecast period.

According to the WHO, the COVID-19 impact on sports medicine and sports surgery was negative. Moreover, as per the report published by the Orthopaedic Journal of Sports Medicine in November 2021, the discontinuation of unnecessary procedures during the pandemic led experts in arthroplasty and sports medicine to revamp and create cutting-edge methods for patient care and treatment choices. However, it is reasonable to anticipate an increase in the waiting list, which will widen the access gap for cruciate ligament repair procedures and eventually affect the market's growth rate in the upcoming years.

The factors driving the market include increasing demand for minimally invasive procedures and rising incidence of sports-related injuries. According to the NSC, in 2021 exercise equipment accounted for about 409,000 injuries in the United States, the most in any category of sports and recreation. The major injuries during exercise are ligament injuries for the knees and elbows. As cruciate ligament repair procedures are mostly performed in knee ligament injuries, thus, increasing incidences of knee injuries may propel the growth of the overall market.

Moreover, the increasing older population globally may raise the number of knee injuries that need ligament repair. For instance, as per WHO in October 2021 stated that by 2030, 1 in 6 people worldwide would be 60 years or older. The number of individuals 60 and older in the world will double to 2.1 billion by 2050. Between 2020 and 2050, the number of people 80 or older is projected to treble, reaching 426 million. Aging may impair knee health, increasing the likelihood of cruciate ligament damage and the need for treatment. Hence, growth in the geriatric population, thereby drives the demand for cruciate ligament repair procedures, in turn boosting the market's growth.

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Furthermore, the new advancements in cruciate ligament repair helps the market to grow. For instance, in June 2022, HSS offers new implant for the treatment of anterior cruciate ligament (ACL) tears, which was approved by the United States FDA shifting focus from reconstruction to restoration.

However, the high cost of procedures may hamper the market to a certain extent over the forecast period.

Cruciate Ligament Repair Procedures Market Trends

Anterior Cruciate Ligament (ACL) Repair Segment Expected to Grow Over the Forecast Period

Anterior cruciate ligament reconstruction is a surgical tissue graft replacement of the anterior cruciate ligament, located in the knee, to restore its function after an injury. It is an outpatient surgery performed by a doctor specializing in surgical procedures of the bones and joints. Injuries to the anterior cruciate ligament (ACL) are becoming more common in all sports, including elite athletics.

Some factors driving the anterior cruciate ligament (ACL) repair segment growth include an increasing number of anterior cruciate ligament injuries, increasing participation in sports activities, such as basketball and football, and technological advancements, such as minimally invasive surgical techniques associated with ACL repair procedures.

For instance, according to the report published by Annals of Joint in January 2022, anterior cruciate ligament injuries are a prominent issue in the field of sports medicine, especially for female athletes. Although programs to prevent anterior cruciate ligament injuries have been developed, injury rates are still high because these strategies need to be used to their full potential. As the preventive programs have not been fully implemented, anterior cruciate ligament injuries are increasing, which may significantly impact the market growth. Furthermore, as per the updated report by the National Library of Medicine in May 2022, anterior cruciate ligament injuries are most in the knee area, and the annual reported incidence in the United States alone is approximately 1 in 3,500 people. Hence, the significant number of cases is expected to impact the market over the forecast period positively.

Thus, all the above factors are expected to contribute to the excellent growth of this segment over the forecast period.

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

North America is expected to dominate the market owing to the increasing number of sports injuries and increasing product launches by major players. Some of the factors driving the market growth in the North American region include the rising geriatric population, rising prevalence of sports injuries, rising patient preference for minimally invasive procedures, and technological advancements.

According to the report by National Safety Council, Sports and Recreational Injuries, sports injuries in the United States surged 20% in 2021 following a record-low number of sports and recreational injuries reported in 2020. In 2021, 3.2 million people were treated in emergency departments for injuries involving sports and recreational equipment. Exercise, cycling, and basketball are the sports most frequently linked to injuries. 15 to 24-year-olds have the highest injury rate, with nearly twice as many males wounded as females in this age group.

Moreover, the new product developments, along with approvals and launches, help the market to grow over the study period. For instance, in December 2021, Miach Orthopaedics Inc. launched the BEAR Implant in select United States cities for the treatment of anterior cruciate ligament (ACL) tears, one of the most common knee injuries in the United States.

Thus, considering the factors mentioned above, it is expected to fuel the market growth in the North American region over the forecast period.

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Cruciate Ligament Repair Procedures Market Competitor Analysis

The cruciate ligament repair procedures market is moderately competitive. Some companies currently dominating the market are Zimmer Biomet, Stryker, Johnson & Johnson Services Inc. (DePuy Synthes), Smith & Nephew, CONMED Corporation, Corin Group, Arthrex Inc., Exactech Inc., RTI Surgical, Tissue Regenix, Integra LifeSciences, Medtronic, Miach Orthopaedics, Enovis (Mathys AG Bettlach) and Bauerfeind.

Additional Benefits:

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

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Market Drivers
 - 4.2.1 Increasing Demand for Minimally Invasive Procedures
 - 4.2.2 Rising Incidence of Sports-related Injuries
- 4.3 Market Restraints
 - 4.3.1 High Cost of Procedures
- 4.4 Industry Attractiveness - Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Buyers/Consumers
 - 4.4.2 Bargaining Power of Suppliers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products
 - 4.4.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION (Market Size by Value - USD Million)

- 5.1 By Procedure
 - 5.1.1 Anterior Cruciate Ligament (ACL) Repair
 - 5.1.2 Posterior Cruciate Ligament (PCL) Repair
- 5.2 By End User
 - 5.2.1 Hospitals
 - 5.2.2 Ambulatory Surgical Centers
 - 5.2.3 Other End Users
- 5.3 Geography
 - 5.3.1 North America
 - 5.3.1.1 United States

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- 5.3.1.2 Canada
- 5.3.1.3 Mexico
- 5.3.2 Europe
 - 5.3.2.1 Germany
 - 5.3.2.2 United Kingdom
 - 5.3.2.3 France
 - 5.3.2.4 Italy
 - 5.3.2.5 Spain
 - 5.3.2.6 Rest of Europe
- 5.3.3 Asia-acific
 - 5.3.3.1 China
 - 5.3.3.2 Japan
 - 5.3.3.3 India
 - 5.3.3.4 Australia
 - 5.3.3.5 South Korea
 - 5.3.3.6 Rest of Asia-Pacific
- 5.3.4 Middle East
 - 5.3.4.1 GCC
 - 5.3.4.2 South Africa
 - 5.3.4.3 Rest of Middle East
- 5.3.5 South America
 - 5.3.5.1 Brazil
 - 5.3.5.2 Argentina
 - 5.3.5.3 Rest of South America

6 COMPETITIVE LANDSCAPE

- 6.1 Company Profiles
 - 6.1.1 Zimmer Biomet
 - 6.1.2 Stryker
 - 6.1.3 Johnson & Johnson Services Inc. (DePuy Synthes)
 - 6.1.4 Smith & Nephew
 - 6.1.5 CONMED Corporation
 - 6.1.6 Corin Group
 - 6.1.7 Arthrex Inc.
 - 6.1.8 Exactech Inc.
 - 6.1.9 RTI Surgical
 - 6.1.10 Tissue Regenix
 - 6.1.11 Integra LifeSciences
 - 6.1.12 Medtronic
 - 6.1.13 Miach Orthopaedics
 - 6.1.14 Enovis (Mathys AG Bettlach)
 - 6.1.15 Bauerfeind

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

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