

Cartilage Repair/Regeneration Market Analysis By Treatment Modality (Cell-Based, Non-Cell-Based), By Application (Hyaline Cartilage, Fibrocartilage), By Treatment Type (Palliative, Intrinsic Repair Stimulus), By Site (Knee Cartilage Repair), And Segment Forecasts, 2014 - 2025

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Abstracts

The global cartilage repair/regeneration market is expected to reach USD 6.7 billion by 2025, according to a new report by Grand View Research, Inc. The market is expected to witness lucrative growth over the forecast period, owing to increasing prevalence of bone & joint disorders, such as Osteoarthritis (OA), rising geriatric population, and surge in number of accidents & related injuries across the globe.

Increasing number of road accidents worldwide are causing bone and joint injuries, which is anticipated to fuel the demand for cartilage repair products over the forecast period. For instance, as per data published by the World Health Organization (WHO) in November 2016, approximately 1.25 million people die each year in road accidents worldwide, owing to the influence of alcohol & reckless driving, use of mobile phone, and other associated factors such as bad weather conditions & improper road construction.

Around 30.0 million children and adolescents participate in youth sports in the U.S each year. This increase in sports activity increases incidents of injuries in athletes, which in turn propels demand for cartilage repair products. According to research data by the American Orthopaedic Society for Sports Medicine, over 3.5 million athletes receive medical treatment due to sports injuries each year.

Further Key Findings From the Study Suggest:

The cell-based segment held a profitable revenue share in 2016 and is anticipated to grow at a significant rate over the forecast period owing to rising preference for autologous chondrocyte transplantation for surgical treatment of damaged articular cartilage (chondral and osteochondral lesions)

The hyaline cartilage segment is anticipated to witness the fastest growth during the forecast period due to high susceptibility of damage to hyaline cartilage in case cartilage-related injuries and increase in sport injuries

Owing to the extensive use of microfracture techniques during cartilage repair surgeries, the intrinsic repair stimulus segment dominated the market in 2016

Increasing prevalence of OA and rise in accident-related injuries are anticipated to support the growth of knee cartilage repair segment

North America is expected to dominate the cartilage repair market during the forecast period, owing to the rising prevalence of bone & joint disorders, increase in number of accidents & injuries, and growing geriatric population in the region are expected to spur the cartilage regeneration market growth.

Some of the key players of cartilage repair market are Zimmer Biomet; Stryker Corporation; DePuy Synthes; Smith & Nephew plc; Vericel Corporation; Osiris Therapeutics Inc.; B. Braun Melsungen AG; Anika Therapeutics, Inc.; Arthrex, Inc.; and Collagen Solutions Plc.

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