

Global Cartilage Repair/ Cartilage Regeneration Market Size study, By Treatment Modality (Cell-based {Chondrocyte Transplantation, Stem Cells, Growth Factors}. Non-cell-based {Tissue Scaffolds, Cell-free Composites}), By Application (Hyaline Cartilage, Fibrocartilage), By Application Site (Knee, Hip, Ankle and Foot, Other Application Sites, By End User (Hospitals, Ambulatory Surgery Centers and Clinics), and Regional Forecasts 2022-2028

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Abstracts

Global Cartilage Repair/ Cartilage Regeneration Market is valued approximately USD 787 Million in 2021 and is anticipated to grow with a healthy growth rate of more than 15.30% over the forecast period 2022-2028.

Cartilage repair or cartilage regeneration is a treatment for the joint that are healthy but have damaged cartilage due to the injury-causing impaired function and pain. Articular cartilage injuries happen because of the obliteration of the cartilage such as traumatic injury, direct blow, and progressive degeneration. The growing incidence of bone and joint disorders, such as Osteoarthritis (OA) or arthritis, increasing obese and geriatric population, availability of research funding and investments, coupled with the technological development and advancements of innovative treatment approaches are the chief factors that may surge the market demand around the world. For instance, according to the Centers for Disease Control and Prevention (CDC), there were nearly 64 million US adults have several varieties of arthritis, a figure that is anticipated to rise 78 million by the year 2040. Also, it is expected to be above 100 types of arthritis,

osteoarthritis (OA) is the most common type of arthritis, which is affecting 32.5 million US adults. Thereby, the rising prevalence of bone and joint disorders will propel the market demand in the impending years. However, the high cost of cartilage repair surgeries and several limitations of cartilage-based stem cell products impedes the growth of the market over the forecast period of 2022-2028. Also, an increasing number of technological advancements is anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Cartilage Repair/ Cartilage Regeneration Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the rising prevalence of musculoskeletal diseases, increasing research investments in the US and Canada, and the presence of major market players in the region. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the high burden of osteoarthritis, as well as the growing occurrence of sports injuries, would create lucrative growth prospects for the Cartilage Repair/ Cartilage Regeneration Market across the Asia-Pacific region.

Major market players included in this report are:

Orthocell Ltd.

Braun Melsungen Ag

Arthrex, Inc.

DePuy Synthes Company

Smith & Nephew plc

Zimmer Biomet Company

Conmed Corporation

Stryker Corporation

Regrow Biosciences Pvt. Ltd.

Vericel Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Treatment Modality:

Cell-based
Chondrocyte Transplantation
Stem Cells
Growth Factors
Non-cell-based
Tissue Scaffolds
Cell-free Composites
By Application:
Hyaline Cartilage
Fibrocartilage
By Application Site:
Knee
Hip
Ankle and Foot
Other Application Sites
By End User:
Hospitals
Ambulatory Surgery Centers and Clinics
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil

Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Cartilage Repair/ Cartilage Regeneration Market in
Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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