

Cartilage Repair/Cartilage Regeneration Market by Treatment Modalities (Cell-Based (Chondrocyte Transplantation, Stem Cells, Growth Factors), Non-Cell (Tissue Scaffolds)), Application (Hyaline, Fibrocartilage), Site, and Region - Global Forecast to 2028

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Report description:

The global Cartilage Repair/Cartilage Regeneration Market is projected to reach USD 2.8 Billion by 2028 from USD 1.3 Billion in 2023, at a CAGR of 17.2% during the forecast period. Cell-based procedures like chondrocyte transplantation, growth factors, and stem cells are mainly driven by the, rising number of cartilage repair procedures and the increasing number of osteoarthritis cases which is expected to drive the cell-based research and advancement in a number of hospitals in upcoming years.

"The hyaline cartilage segment accounted for the highest market share in the application segment market, by application, during the forecast period."

Based on the application of the segment, the Cartilage Repair/Cartilage Regeneration Market market is categorized into hyaline cartilage and fibrocartilage. Hyaline cartilage is expected to have the highest growth in the market, which is attributed to the availability of the funding and the rising investment in R&D and increasing growth opportunities in emerging economies will drive the hyaline cartilage market.

"The North America segment accounted for the highest market share in Cartilage Repair/Cartilage Regeneration Market Cartilage Repair/Cartilage Regeneration Market, by region, during the forecast period."

Based on the region, the Cartilage Repair/Cartilage Regeneration Market is divided into North America, Europe, Asia Pacific, and Rest of the world. In 2022, North America had the highest market as the key players for the cartilage repair market mainly have the presence in countries like US and Canada and the growing number of knee replacement surgeries and the use of cartilage repair products for the treatment of cartilage damage or injury.

Breakdown of supply-side primary interviews by company type, designation, and region:

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- By Company Type: Tier 1 (30%), Tier 2 (44%), and Tier 3 (26%)
- By Designation: C-level (30%), Director-level (33%), and Others (37%)
- By Region: North America (40%), Europe (28%), Asia-Pacific (18%), RoW- (14%),

Prominent companies include Smith+Nephew (UK), DePuy Synthes (Johnson & Johnson) (US), Zimmer Biomet Holdings, Inc. (US), Stryker Corporation (US), Vericel Corporation (US), B. Braun Melsungen AG (US), Anika Therapeutics (US), CONMED Corporation (US), MEDIPOST (South Korea), RTI Surgical (US), Arthrex, Inc. (US), Regrow Biosciences (India), Geistlich Pharma AG (Switzerland), AlloSource (US), Orthocell Ltd, (Australia), Matricel GmbH (Germany), CartiHeal, Inc. (Israel), Regentis Biomaterials (Israel), Theracell Advanced Biotechnology (Greece) and LifeNet Health (US).

Research Coverage

This research report categorizes the Cartilage Repair/Cartilage Regeneration Market which is segmented into products used for Cartilage Repair/Cartilage Regeneration and the application and site of application.

The treatment modality for Cartilage Repair/Cartilage Regeneration is divided into two types: cell-based, i.e., chondrocyte transplantation, growth factors, and stem cells and non-cell-based, i.e., tissue scaffolds and cell-free composites. The Application segments the classised into hyaline cartilage and fibrocartilage. The application site segment is classified as knee, hip, ankle & foot, and other application sites (nose and shoulder), and regional segment is divided into the North America, Europe, Asia Pacific and the Rest of the world. The scope of the report covers detailed information regarding the major factors like market dynamics such as drivers, restraints, challenges, and opportunities that are influencing the growth of the Cartilage Repair/Cartilage Regeneration Market.

A detailed analysis of the key industry players also the companies new launches, developments, mergers and acquisitions associated with the Cartilage Repair/Cartilage Regeneration Market has been covered. Competitive analysis of upcoming startups in the Cartilage Repair/Cartilage Regeneration Market ecosystem is covered in this report.

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Cartilage Repair/Cartilage Regeneration Market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (Increasing incidence of osteoarthritis, Increasing research funding and investments and Rising number of sports and accident-related orthopedic injuries), restraints (High cost of cartilage repair surgeries and Unfavorable reimbursement scenario) opportunities (Technological advancements in the cartilage repair market and Development in the field of regenerative medicine and Challenges (Limitation of cartilage-based stem cell products and Need for skill personnel) are influencing the growth of the Cartilage Repair/Cartilage Regeneration Market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the Cartilage Repair/Cartilage Regeneration Market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the Cartilage Repair/Cartilage Regeneration Market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the Cartilage Repair/Cartilage Regeneration Market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players, among others, in the Cartilage Repair/Cartilage Regeneration Market strategies.

Table of Contents:

- 1□ INTRODUCTION□23
- 1.1□ STUDY OBJECTIVES□23
- 1.2□ MARKET DEFINITION□23
- TABLE 1□ INCLUSIONS AND EXCLUSIONS□23

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1.3	MARKET SCOPE	24
1.3.1	MARKETS COVERED	24
1.3.2	YEARS CONSIDERED	24
1.3.3	CURRENCY CONSIDERED	25
1.4	STAKEHOLDERS	25
1.5	SUMMARY OF CHANGES	25
1.5.1	RECESSION IMPACT	25
2	RESEARCH METHODOLOGY	26
2.1	RESEARCH DATA	26
FIGURE 1	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: RESEARCH DESIGN	26
2.1.1	SECONDARY DATA	27
2.1.1.1	Secondary sources	27
2.1.2	PRIMARY DATA	28
FIGURE 2	PRIMARY SOURCES	28
2.1.2.1	Key data from primary sources	29
2.1.2.2	Key industry insights	30
2.1.2.3	Breakdown of primary interviews	30
FIGURE 3	BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION	30
2.2	MARKET SIZE ESTIMATION	31
2.2.1	APPROACH 1: COMPANY REVENUE ESTIMATION APPROACH	31
FIGURE 4	BOTTOM-UP APPROACH: COMPANY REVENUE ESTIMATION	31
2.2.2	APPROACH 2: CALCULATING MARKET SIZE FROM NUMBER OF CARTILAGE REPAIR TREATMENT PROCEDURES	32
TABLE 2	REVENUE ESTIMATION APPROACH BY CALCULATING NUMBER OF CARTILAGE REPAIR TREATMENTS PROCEDURES IN US	32
2.2.3	APPROACH 3: CORPORATE PRESENTATIONS OF COMPANIES AND PRIMARY INTERVIEWS	32
2.2.4	APPROACH 4: PRIMARY INTERVIEWS	32
2.2.5	APPROACH 5: FINAL MARKET CALCULATION	33
FIGURE 5	GROWTH FORECAST	33
FIGURE 6	CAGR PROJECTIONS: SUPPLY-SIDE ANALYSIS	33
FIGURE 7	TOP-DOWN APPROACH	34
?		
2.3	MARKET BREAKDOWN & DATA TRIANGULATION	34
FIGURE 8	DATA TRIANGULATION METHODOLOGY	35
2.4	MARKET SHARE ANALYSIS	36
2.5	MARKET ASSUMPTIONS	36
2.6	RISK ASSESSMENT	36
2.7	LIMITATIONS	37
2.8	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: RECESSION IMPACT ANALYSIS	37
3	EXECUTIVE SUMMARY	38
FIGURE 9	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2023 VS. 2028 (USD MILLION)	38
FIGURE 10	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)	39
FIGURE 11	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2023 VS. 2028 (USD MILLION)	39
FIGURE 12	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: GEOGRAPHIC SNAPSHOT	40
4	PREMIUM INSIGHTS	41
4.1	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET OVERVIEW	41
FIGURE 13	INCREASING INCIDENCE OF OSTEOARTHRITIS TO DRIVE MARKET	41
4.2	NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION AND COUNTRY, 2022	42
FIGURE 14	HYALINE CARTILAGE HELD LARGEST SHARE IN 2022	42

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4.3	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES	42
FIGURE 15	JAPAN TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD	42
5	MARKET OVERVIEW	43
5.1	INTRODUCTION	43
5.2	MARKET DYNAMICS	43
FIGURE 16	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	43
5.2.1	MARKET DRIVERS	44
5.2.1.1	Increasing incidence of osteoarthritis	44
5.2.1.2	Increasing research funding and investments	44
5.2.1.3	Rising number of sports and accident-related orthopedic injuries	45
5.2.2	RESTRAINTS	45
5.2.2.1	High cost of cartilage repair surgeries	45
5.2.2.2	Unfavorable reimbursement scenario	45
5.2.3	OPPORTUNITIES	46
5.2.3.1	Technological advancements	46
5.2.3.2	Developments in regenerative medicine	46
5.2.4	CHALLENGES	47
5.2.4.1	Limitations of cartilage-based stem cell products	47
5.2.4.2	Need for skilled personnel	47
5.3	SUPPLY CHAIN ANALYSIS	48
FIGURE 17	DISTRIBUTION-KEY STRATEGY PREFERRED BY PROMINENT COMPANIES	48
5.4	REGULATORY LANDSCAPE	49
5.4.1	INTRODUCTION	49
5.4.2	NORTH AMERICA	49
TABLE 3	CLASSIFICATION BASED ON SUBMISSION REQUIRED FOR REGULATORY APPROVAL	49
5.4.3	EUROPE	50
5.4.4	ASIA PACIFIC	50
5.5	PATENT ANALYSIS	52
FIGURE 18	PATENT ANALYSIS FOR CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET	52
5.6	PIPELINE ANALYSIS	53
5.6.1	PIPELINE ANALYSIS, BY CLINICAL TRIAL PHASE	53
FIGURE 19	CARTILAGE REPAIR CANDIDATE PRODUCTS IN CLINICAL PHASES ONE TO FOUR	53
TABLE 4	INDICATIVE LIST OF CANDIDATES IN CLINICAL TRIALS	53
5.7	TECHNOLOGY ANALYSIS	54
6	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY	55
6.1	INTRODUCTION	56
TABLE 5	CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION)	56
6.2	CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION	56
TABLE 6	CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION)	56
TABLE 7	CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION)	57
TABLE 8	NORTH AMERICA: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	57
TABLE 9	EUROPE: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	57
TABLE 10	ASIA PACIFIC: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	58
6.2.1	CHONDROCYTE TRANSPLANTATION	58
6.2.1.1	Cost-effectiveness to support market growth	58

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TABLE 11 CHONDROCYTE TRANSPLANTATION MARKET, BY REGION, 2021-2028 (USD MILLION) 59

TABLE 12 NORTH AMERICA: CHONDROCYTE TRANSPLANTATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 59

6.2.2 GROWTH FACTORS 59

6.2.2.1 Promising results associated with growth factors to drive market 59

TABLE 13 GROWTH FACTORS MARKET, BY REGION, 2021-2028 (USD MILLION) 59

TABLE 14 NORTH AMERICA: GROWTH FACTORS MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 60

6.2.3 STEM CELLS 60

6.2.3.1 Advancements in stem cell-based tissue engineering to support market growth 60

TABLE 15 STEM CELLS MARKET, BY REGION, 2021-2028 (USD MILLION) 60

TABLE 16 NORTH AMERICA: STEM CELLS MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 61

6.3 NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION 61

TABLE 17 NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 61

TABLE 18 NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 61

TABLE 19 NORTH AMERICA: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 62

TABLE 20 EUROPE: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 62

TABLE 21 ASIA PACIFIC: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 62

6.3.1 TISSUE SCAFFOLDS 63

6.3.1.1 Benefits of one-step procedure likely to boost market growth 63

TABLE 22 TISSUE SCAFFOLDS MARKET, BY REGION, 2021-2028 (USD MILLION) 63

6.3.2 CELL-FREE COMPOSITES 63

6.3.2.1 Increasing research to support market growth 63

TABLE 23 CELL-FREE COMPOSITES MARKET, BY REGION, 2021-2028 (USD MILLION) 64

7 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE 65

7.1 INTRODUCTION 66

TABLE 24 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 66

7.2 KNEE 66

7.2.1 INCREASING CASES OF KNEE ARTHROSCOPY TO DRIVE MARKET GROWTH 66

TABLE 25 KNEE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 67

TABLE 26 NORTH AMERICA: KNEE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 67

TABLE 27 EUROPE: KNEE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 67

TABLE 28 ASIA PACIFIC: KNEE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 68

7.3 HIP 68

7.3.1 INCREASING ADOPTION OF MINIMALLY INVASIVE ARTHROSCOPY PROCEDURES TO SUPPORT MARKET GROWTH 68

TABLE 29 HIP CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 68

TABLE 30 NORTH AMERICA: HIP CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 69

TABLE 31 EUROPE: HIP CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 69

TABLE 32 ASIA PACIFIC: HIP CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 69

7.4 ANKLE & FOOT 70

7.4.1 INCREASING SPORTS INJURIES TO DRIVE DEMAND 70

TABLE 33 ANKLE & FOOT CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 70

TABLE 34 NORTH AMERICA: ANKLE & FOOT CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028

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(USD MILLION) 70

TABLE 35 EUROPE: ANKLE & FOOT CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 71

7.5 OTHER APPLICATION SITES 71

TABLE 36 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET FOR OTHER APPLICATION SITES, BY REGION, 2021-2028 (USD MILLION) 71

TABLE 37 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET FOR OTHER APPLICATION SITES, BY COUNTRY, 2021-2028 (USD MILLION) 72

8 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION 73

8.1 INTRODUCTION 74

TABLE 38 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 74

8.2 HYALINE CARTILAGE 74

8.2.1 HYALINE CARTILAGE SEGMENT TO HOLD LARGER MARKET SHARE 74

TABLE 39 HYALINE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 75

TABLE 40 NORTH AMERICA: HYALINE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 75

TABLE 41 EUROPE: HYALINE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 75

TABLE 42 ASIA PACIFIC: HYALINE CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 76

8.3 FIBROCARTILAGE 76

8.3.1 SUPPORT AND STRENGTH ADVANTAGES FOR SURROUNDING STRUCTURES TO DRIVE MARKET 76

TABLE 43 FIBROCARTILAGE REPAIR/REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 76

TABLE 44 NORTH AMERICA: FIBROCARTILAGE REPAIR/REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 77

TABLE 45 EUROPE: FIBROCARTILAGE REPAIR/REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 77

TABLE 46 ASIA PACIFIC: FIBROCARTILAGE REPAIR/REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 77

9 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION 78

9.1 INTRODUCTION 79

TABLE 47 CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY REGION, 2021-2028 (USD MILLION) 79

9.2 NORTH AMERICA 79

9.2.1 NORTH AMERICA: RECESSION IMPACT 79

FIGURE 20 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET SNAPSHOT 80

TABLE 48 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 81

TABLE 49 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 81

TABLE 50 NORTH AMERICA: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 81

TABLE 51 NORTH AMERICA: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 82

TABLE 52 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 82

TABLE 53 NORTH AMERICA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 82

9.2.2 US 83

9.2.2.1 Increasing incidence of osteoporosis to drive market 83

TABLE 54 US: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 83

TABLE 55 US: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 83

TABLE 56 US: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 84

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TABLE 57 US: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 84

TABLE 58 US: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 84

9.2.3 CANADA 85

9.2.3.1 Increasing investments in regenerative medicine research to drive market 85

TABLE 59 CANADA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 85

TABLE 60 CANADA: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 85

TABLE 61 CANADA: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 86

TABLE 62 CANADA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 86

TABLE 63 CANADA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 86

?

9.3 EUROPE 87

9.3.1 EUROPE: RECESSION IMPACT 87

TABLE 64 EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 87

TABLE 65 EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 88

TABLE 66 EUROPE: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 88

TABLE 67 EUROPE: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 88

TABLE 68 EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 89

TABLE 69 EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 89

9.3.2 GERMANY 89

9.3.2.1 Strong R&D base and focus on minimally invasive surgeries to support market growth 89

TABLE 70 GERMANY: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 90

TABLE 71 GERMANY: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 90

TABLE 72 GERMANY: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 90

TABLE 73 GERMANY: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 91

TABLE 74 GERMANY: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 91

9.3.3 UK 91

9.3.3.1 Rising prevalence of joint diseases to boost demand 91

TABLE 75 UK: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 92

TABLE 76 UK: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 92

TABLE 77 UK: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 92

TABLE 78 UK: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 93

TABLE 79 UK: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 93

9.3.4 FRANCE 93

9.3.4.1 Rising degenerative disease and healthcare expenditure to drive market 93

TABLE 80 FRANCE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 94

TABLE 81 FRANCE: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 94

TABLE 82 FRANCE: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 94

TABLE 83 FRANCE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 95

TABLE 84 FRANCE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 95

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9.3.5 REST OF EUROPE 95

TABLE 85 REST OF EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 96

TABLE 86 REST OF EUROPE: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 96

TABLE 87 REST OF EUROPE: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 96

TABLE 88 REST OF EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 97

TABLE 89 REST OF EUROPE: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 97

9.4 ASIA PACIFIC 97

9.4.1 ASIA PACIFIC: RECESSION IMPACT 97

FIGURE 21 ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET 98

TABLE 90 ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 99

TABLE 91 ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 99

TABLE 92 ASIA PACIFIC: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 99

TABLE 93 ASIA PACIFIC: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 100

TABLE 94 ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 100

TABLE 95 ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 100

9.4.2 JAPAN 101

9.4.2.1 Japan to hold largest market share throughout forecast period 101

TABLE 96 JAPAN: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 101

TABLE 97 JAPAN: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 101

TABLE 98 JAPAN: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 102

TABLE 99 JAPAN: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 102

TABLE 100 JAPAN: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 102

9.4.3 CHINA 103

9.4.3.1 China to register highest growth in APAC market 103

TABLE 101 CHINA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 103

TABLE 102 CHINA: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 103

TABLE 103 CHINA: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 104

TABLE 104 CHINA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 104

TABLE 105 CHINA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) 104

9.4.4 INDIA 105

9.4.4.1 Rising number of hospitals and developing healthcare infrastructure to propel market growth 105

TABLE 106 INDIA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) 105

TABLE 107 INDIA: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) 105

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TABLE 108 □ INDIA: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) □ 106

TABLE 109 □ INDIA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) □ 106

TABLE 110 □ INDIA: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) □ 106

9.4.5 □ REST OF ASIA PACIFIC □ 107

TABLE 111 □ REST OF ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) □ 107

TABLE 112 □ REST OF ASIA PACIFIC: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) □ 107

TABLE 113 □ REST OF ASIA PACIFIC: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) □ 108

TABLE 114 □ REST OF ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) □ 108

TABLE 115 □ REST OF ASIA PACIFIC: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) □ 108

9.5 □ REST OF THE WORLD □ 109

9.5.1 □ REST OF THE WORLD: RECESSION IMPACT □ 109

TABLE 116 □ REST OF THE WORLD: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TREATMENT MODALITY, 2021-2028 (USD MILLION) □ 110

TABLE 117 □ REST OF THE WORLD: CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) □ 110

TABLE 118 □ REST OF THE WORLD: NON-CELL-BASED CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY TYPE, 2021-2028 (USD MILLION) □ 110

TABLE 119 □ REST OF THE WORLD: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION, 2021-2028 (USD MILLION) □ 111

TABLE 120 □ REST OF THE WORLD: CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET, BY APPLICATION SITE, 2021-2028 (USD MILLION) □ 111

?

10 □ COMPETITIVE LANDSCAPE □ 112

10.1 □ INTRODUCTION □ 112

10.2 □ REVENUE ANALYSIS □ 112

FIGURE 22 □ TOP FIVE PLAYERS HAVE DOMINATED MARKET IN LAST FIVE YEARS □ 112

10.3 □ MARKET SHARE ANALYSIS □ 113

FIGURE 23 □ CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: MARKET SHARE ANALYSIS, 2022 □ 113

TABLE 121 □ CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: DEGREE OF COMPETITION □ 113

10.4 □ COMPANY EVALUATION MATRIX □ 114

10.4.1 □ STARS □ 115

10.4.2 □ EMERGING LEADERS □ 115

10.4.3 □ PERVASIVE PLAYERS □ 115

10.4.4 □ PARTICIPANTS □ 115

FIGURE 24 □ GLOBAL CARTILAGE REPAIR/CARTILAGE REGENERATION MARKET: COMPANY EVALUATION MATRIX, 2022 □ 116

10.5 □ COMPETITIVE SCENARIO □ 117

10.5.1 □ PRODUCT APPROVALS □ 117

TABLE 122 □ KEY PRODUCT APPROVALS, JANUARY 2020-NOVEMBER 2023 □ 117

10.5.2 □ DEALS □ 117

TABLE 123 □ KEY DEALS, JANUARY 2020-NOVEMBER 2023 □ 117

10.5.3 □ OTHER DEVELOPMENTS □ 118

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TABLE 124 OTHER KEY DEVELOPMENTS, JANUARY 2020-NOVEMBER 2023 118

11 COMPANY PROFILES 119

11.1 KEY COMPANIES 119

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

11.1.1 SMITH+NEPHEW 119

TABLE 125 SMITH+NEPHEW: COMPANY OVERVIEW 119

FIGURE 25 SMITH+NEPHEW: COMPANY SNAPSHOT (2022) 120

11.1.2 DEPUY SYNTHES (JOHNSON & JOHNSON) 123

TABLE 126 JOHNSON & JOHNSON: COMPANY OVERVIEW 123

FIGURE 26 JOHNSON & JOHNSON: COMPANY SNAPSHOT (2022) 124

11.1.3 ZIMMER BIOMET HOLDINGS, INC. 127

TABLE 127 ZIMMER BIOMET HOLDINGS, INC.: COMPANY OVERVIEW 127

FIGURE 27 ZIMMER BIOMET HOLDINGS, INC.: COMPANY SNAPSHOT (2022) 128

11.1.4 STRYKER CORPORATION 131

TABLE 128 STRYKER CORPORATION: COMPANY OVERVIEW 131

FIGURE 28 STRYKER CORPORATION: COMPANY SNAPSHOT (2022) 132

11.1.5 VERICEL CORPORATION 134

TABLE 129 VERICEL CORPORATION: COMPANY OVERVIEW 134

FIGURE 29 VERICEL CORPORATION: COMPANY SNAPSHOT (2022) 134

11.1.6 B. BRAUN MELSUNGEN AG 136

TABLE 130 B. BRAUN MELSUNGEN AG: COMPANY OVERVIEW 136

FIGURE 30 B. BRAUN MELSUNGEN AG: COMPANY SNAPSHOT (2022) 137

11.1.7 ANIKA THERAPEUTICS, INC. 138

TABLE 131 ANIKA THERAPEUTICS, INC.: COMPANY OVERVIEW 138

FIGURE 31 ANIKA THERAPEUTICS, INC.: COMPANY SNAPSHOT (2022) 139

11.1.8 RTI SURGICAL 140

TABLE 132 RTI SURGICAL: COMPANY OVERVIEW 140

11.1.9 CONMED CORPORATION 142

TABLE 133 CONMED CORPORATION.: COMPANY OVERVIEW 142

FIGURE 32 CONMED CORPORATION: COMPANY SNAPSHOT (2022) 143

11.1.10 ARTHREX INC. 145

TABLE 134 ARTHREX INC.: COMPANY OVERVIEW 145

11.1.11 REGROW BIOSCIENCES 146

TABLE 135 REGROW BIOSCIENCES: COMPANY OVERVIEW 146

11.1.12 MEDIPOST 147

TABLE 136 MEDIPOST: COMPANY OVERVIEW 147

FIGURE 33 MEDIPOST: COMPANY SNAPSHOT (2022) 147

11.2 OTHER PLAYERS 150

11.2.1 GEISTLICH PHARMA AG 150

11.2.2 ALLOSOURCE 150

11.2.3 ORTHOCELL LTD. 151

11.2.4 CARTIHEAL, INC. 151

11.2.5 REGENTIS BIOMATERIALS 152

11.2.6 LIFENET HEALTH 152

11.2.7 MATRICEL GMBH 153

11.2.8 THERACELL ADVANCED BIOTECHNOLOGY 153

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

12 APPENDIX 154

12.1 DISCUSSION GUIDE 154

12.2 KNOWLEDGESTORE: MARKETSANDMARKETS? SUBSCRIPTION PORTAL 157

12.3 CUSTOMIZATION OPTIONS 159

12.4 RELATED REPORTS 159

12.5 AUTHOR DETAILS 160

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