

# Global Tissue Engineered Medical Devices Market Forecast and Opportunities, 2020

<https://marketpublishers.com/r/GCC3267D1EFEN.html>

Date: December 2015

Pages: 193

Price: US\$ 4,000.00 (Single User License)

ID: GCC3267D1EFEN

## Abstracts

Tissue engineering involves biomaterial development and practice of combining cells, scaffolds and biologically active molecules into fully functional tissues and organs, for implantation in the living beings. This technology is used for making reconstructive implants that are used for replacing malfunctioned tissues and organs. Tissue engineered medical devices being more bio-compatible in comparison to artificial implants are preferred for treatment surgeries. Moreover, lower probability of rejection by human autoimmune system is also boosting its adoption among the physicians and patients requiring implants.

According to Pharmaion report, "Global Tissue Engineered Medical Devices Market Forecast & Opportunities, 2020", global tissue engineered medical devices market is anticipated to surpass US\$ 26 billion by 2020 on account of increasing prevalence of diabetes, aging population and increasing demand for tissue engineered medical devices over artificial implants. North America dominated the global tissue engineered medical devices market in 2014, and is anticipated to continue its dominance through 2020 as the percentage of geriatric population is very high in this region. Moreover, the economic stability of the region also helps patients to undergo expensive treatment options. Few of the leading companies operating in global tissue engineered medical devices market include Medtronic plc, Stryker Corporation, Zimmer Biomet, Edwards Lifesciences Corporation and Depuy Synthes, among others. "Global Tissue Engineered Medical Devices Market Forecast & Opportunities, 2020" report elaborates the following aspects of global tissue engineered medical devices market:

Global Tissue Engineered Medical Market Size, Volume, Share & Forecast

Segmental Analysis – Orthopedic Tissue, Cardiac Tissue, Dental Tissue & Skin

## Substitutes

Regional Analysis – North America, Europe, South America, Asia-Pacific, and Middle East & Africa

Changing Market Trends & Emerging Opportunities

Competitive Landscape & Strategic Recommendations

## Why You Should Buy This Report?

To gain an in-depth understanding of global tissue engineered medical devices market

To identify the on-going trends and anticipated growth in the next five years

To help industry consultants, tissue engineered medical device manufacturers, vendors and dealers align their market-centric strategies

To obtain research based business decisions and add weight to presentations and marketing material

To gain competitive knowledge of leading market players

To avail 10% customization in the report without any extra charges and get the research data or trends added in the report as per the buyer's specific needs

## Report Methodology

The information contained in this report is based upon both primary and secondary sources. Primary research included interviews with tissue engineered medical devices producers and industry experts. Secondary research included an exhaustive search of relevant publications like company annual reports, financial reports and other proprietary databases.

## Contents

### **1. RESEARCH METHODOLOGY**

### **2. ANALYST VIEW**

### **3. TISSUE ENGINEERING OVERVIEW**

### **4. GLOBAL TISSUE ENGINEERED MEDICAL DEVICES MARKET OUTLOOK**

#### 4.1. Market Size & Forecast

##### 4.1.1. By Value

##### 4.1.2. By Volume

#### 4.2. Market Share & Forecast

##### 4.2.1. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

##### 4.2.2. By Source (Synthetic Biomaterials & Natural Biomaterials)

##### 4.2.3. By Region

##### 4.2.4. By Company

#### 4.3. Quality Control Policies

### **5. GLOBAL TISSUE ENGINEERED MEDICAL DEVICES SEGMENTAL MARKET OUTLOOK**

#### 5.1. Global Orthopedic Tissue Engineered Medical Devices Market Outlook

##### 5.1.1. Market Size & Forecast

###### 5.1.1.1. By Value

###### 5.1.1.2. By Volume

##### 5.1.2. Market Share & Forecast

###### 5.1.2.1. By Product Type (Biologics, Bone Graft & Bone Graft Substitute)

###### 5.1.2.2. By Region

###### 5.1.2.3. By Company

#### 5.2. Global Cardiac Tissue Engineered Medical Devices Market Outlook

##### 5.2.1. Market Share & Forecast

###### 5.2.1.1. By Value

###### 5.2.1.2. By Volume

##### 5.2.2. Market Share & Forecast

###### 5.2.2.1. By Product Type (Heart Valves & Vascular Grafts)

###### 5.2.2.2. By Region

###### 5.2.2.3. By Company

### 5.3. Global Dental Tissue Engineered Medical Devices Market Outlook

#### 5.3.1. Market Size & Forecast

##### 5.3.1.1. By Value

##### 5.3.1.2. By Volume

#### 5.3.2. Market Share & Forecast

##### 5.3.2.1. By Product Type (Dental Membrane & Dental Bone Graft)

##### 5.3.2.2. By Region

##### 5.3.2.3. By Company

### 5.4. Global Skin Substitutes Engineered Medical Devices Market Outlook

#### 5.4.1. Market Size & Forecast

##### 5.4.1.1. By Value

##### 5.4.1.2. By Volume

#### 5.4.2. Market Share & Forecast

##### 5.4.2.1. By Application (Wound, Burn & Others)

##### 5.4.2.2. By Region

##### 5.4.2.3. By Company

## **6. GLOBAL TISSUE ENGINEERED MEDICAL DEVICES REGIONAL MARKET OUTLOOK**

### 6.1. North America Tissue Engineered Medical Devices Market Outlook

#### 6.1.1. Market Size & Forecast

##### 6.1.1.1. By Value

#### 6.1.2. Market Share & Forecast

##### 6.1.2.1. By Country

##### 6.1.2.2. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

### 6.2. Europe Tissue Engineered Medical Devices Market Outlook

#### 6.2.1. Market Size & Forecast

##### 6.2.1.1. By Value

#### 6.2.2. Market Share & Forecast

##### 6.2.2.1. By Country

##### 6.2.2.2. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

### 6.3. South America Tissue Engineered Medical Devices Market Outlook

#### 6.3.1. Market Size & Forecast

##### 6.3.1.1. By Value

#### 6.3.2. Market Share & Forecast

##### 6.3.2.1. By Country

6.3.2.2. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

6.4. Asia-Pacific Tissue Engineered Medical Devices Market Outlook

6.4.1. Market Size & Forecast

6.4.1.1. By Value

6.4.2. Market Share & Forecast

6.4.2.1. By Country

6.4.2.2. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

6.5. Middle East & Africa Tissue Engineered Medical Devices Market Outlook

6.5.1. Market Size & Forecast

6.5.1.1. By Value

6.5.2. Market Share & Forecast

6.5.2.1. By Country

6.5.2.2. By Application (Orthopedic, Cardiovascular, Dental, Skin Substitute & Others)

## **7. MARKET DYNAMICS**

7.1. Drivers

7.2. Challenges

## **8. MARKET TRENDS & DEVELOPMENTS**

8.1. Nanotechnology in Tissue Engineering

8.2. 3D Bioprinting Advancing the Tissue Engineering

8.3. Bone Tissue Engineering Witnessing Continuous Innovation

8.4. Increasing Use of Tissue Engineered for Chronic Wound Healing

8.5. Rising Application of Engineered Protein in Tissue Engineering

8.6. Tissue Engineering and Biomaterials to Revolutionize Plastic Surgery Industry

8.7. Tissue Engineering: Future of Ophthalmology

8.8. Escalating Use of Stem Cells in Tissue Engineering Research

## **9. COMPETITIVE LANDSCAPE**

9.1. Competition Benchmarking

9.2. Company Profiles

9.2.1. Medtronic plc

9.2.2. Stryker Corporation

- 9.2.3. Zimmer Biomet
- 9.2.4. DePuy Synthes
- 9.2.5. Edwards Lifesciences Corporation
- 9.2.6. Smith & Nephew
- 9.2.7. Geistlich Pharma AG
- 9.2.8. Organogenesis Inc.
- 9.2.9. Institut Straumann AG
- 9.2.10. CryoLife, Inc.
- 9.2.11. Dentsply International
- 9.2.12. Integra LifeSciences Corporation
- 9.2.13. MiMedx Group, Inc.
- 9.2.14. St. Jude Medical, Inc.
- 9.2.15. B. Braun Melsungen AG
- 9.2.16. Wright Medical Technology, Inc.
- 9.2.17. ACE Surgical Supply Company, Inc.
- 9.2.18. BioHorizons IPH, Inc.
- 9.2.19. Botiss Biomaterials GmbH
- 9.2.20. Cytograft Tissue Engineering
- 9.2.21. Molnlycke Health Care
- 9.2.22. TEI Biosciences

## **10. STRATEGIC RECOMMENDATIONS**

## List Of Tables

### LIST OF TABLES

Table 1: Global Tissue Engineered Medical Devices Market Size, By Source (USD Million)

Table 2: Number of Diabetic Patients, By Country, 2013 (Million)

Table 3: United States Statistics of Gum Diseases, 2012

Table 4: Global Prevalence of Diabetes, 2012

Table 5: Canada Population Projections for Over 65 Years of Age, 1971 – 2061F (%)

Table 6: Middle East Healthcare Expenditure, 2010

## List Of Figures

### LIST OF FIGURES

Figure 1: Global Tissue Engineered Medical Devices Market Size, By Value (USD Billion), By Volume (Million Units), 2010-2020F

Figure 2: United States Demand for Kidney Donor, 1990 & 2012

Figure 3: Global Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 4: Global Tissue Engineered Medical Devices Market Share, By Application, By Volume, 2010-2020F

Figure 5: Global Tissue Engineered Medical Devices Market Share, By Source, By Value, 2010-2020F

Figure 6: Global Tissue Engineered Medical Devices Market Share, By Region, By Value, 2010-2020F

Figure 7: Global Tissue Engineered Medical Devices Market Share, By Company, By Value, 2014 & 2020F

Figure 8: Cell Tissue Technology Laboratory's Document Structure

Figure 9: Global Orthopedic Tissue Engineered Medical Devices Market Size, By Value (USD Billion), By Volume (Million Units), 2010-2020F

Figure 10: Global Orthopedic Tissue Engineered Medical Devices Market Share, By Product Type, By Value, 2010-2020F

Figure 11: Global Orthopedic Tissue Engineered Medical Devices Market Share, By Region, By Value, 2010-2020F

Figure 12: Global Orthopedic Tissue Engineered Medical Devices Market Share, By Company, By Value, 2014 & 2020F

Figure 13: Global Cardiac Tissue Engineered Medical Devices Market Size, By Value (USD Billion), By Volume (Million Units), 2010-2020F

Figure 14: Global Cardiac Tissue Engineered Medical Devices Market Share, By Product Type, By Value, 2010-2020F

Figure 15: Global Cardiac Tissue Engineered Medical Devices Market Share, By Region, By Value, 2010-2020F

Figure 16: Global Cardiac Tissue Engineered Medical Devices Market Share, By Company, By Value, 2014 & 2020F

Figure 17: Global Dental Tissue Engineered Medical Devices Market Size, By Value (USD Billion), By Volume (Million Units), 2010-2020F

Figure 18: Global Dental Tissue Engineered Medical Devices Market Share, By Product Type, By Value, 2010-2020F

Figure 19: Global Dental Tissue Engineered Medical Devices Market Share, By Region,



By Value, 2010-2020F

Figure 20: Global Dental Tissue Engineered Medical Devices Market Share, By Company, By Value, 2014 & 2020F

Figure 21: Global Skin Substitute Tissue Engineered Medical Devices Market Size, By Value (USD Billion), By Volume (Million Units), 2010-2020F

Figure 22: Global Skin Substitute Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 23: United States Statistics of Burn Injuries, 2013

Figure 24: Global Skin Substitute Tissue Engineered Medical Devices Market Share, By Region, By Value, 2010-2020F

Figure 25: Global Skin Substitute Tissue Engineered Medical Devices Market Share, By Company, By Value, 2014 & 2020F

Figure 26: North America Tissue Engineered Medical Devices Market Size, By Value (USD Billion), 2010-2020F

Figure 27: North America Tissue Engineered Medical Devices Market Share, By Country, By Value, 2010-2020F

Figure 28: United States Prevalence of Cardiovascular Disease in Adults above 20 years of Age, By Age, By Sex, 2015 (% of total population)

Figure 29: United States Percentage Breakdown of Deaths due to Cardiovascular Disease, 2011

Figure 30: North America Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 31: Europe Tissue Engineered Medical Devices Market Size, By Value (USD Billion), 2010-2020F

Figure 32: Europe Tissue Engineered Medical Devices Market Share, By Country, By Value, 2010-2020F

Figure 33: Europe Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 34: South America Tissue Engineered Medical Devices Market Size, By Value (USD Billion), 2010-2020F

Figure 35: South America Tissue Engineered Medical Devices Market Share, By Country, By Value, 2010-2020F

Figure 36: South America Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 37: Asia-Pacific Tissue Engineered Medical Devices Market Size, By Value (USD Billion), 2010-2020F

Figure 38: Asia-Pacific Tissue Engineered Medical Devices Market Share, By Country, By Value, 2010-2020F

Figure 39: Asia-Pacific Tissue Engineered Medical Devices Market Share, By

Application, By Value, 2010-2020F

Figure 40: Middle East & Africa Tissue Engineered Medical Devices Market Size, By Value (USD Billion), 2010-2020F

Figure 41: Middle East & Africa Tissue Engineered Medical Devices Market Share, By Country, By Value, 2010-2020F

Figure 42: Middle East & Africa Tissue Engineered Medical Devices Market Share, By Application, By Value, 2010-2020F

Figure 43: Percentage of Natural Sources Used for Synthesis of Nanoparticles

Figure 44: Percentage of Plant and Animal Based Materials Used for Synthesis of Nanoparticles

Figure 45: Global 3D Printing Market Size, By Value (USD Million), 2010-2020F

Figure 46: Global Bone Graft Market Size, By Value (USD Million), 2010-2020F

Figure 47: Global Tissue Engineered Skin Substitute for Wound Healing Market Size, By Value (USD Million), 2010-2020F

Figure 48: Worldwide Wound Incidence, 2014

Figure 49: Global Protein Engineering Market Size, By Value, 2010-2020F (USD Million)

## **COMPANIES MENTIONED**

1. Medtronic plc
2. Stryker Corporation
3. Zimmer Biomet
4. DePuy Synthes
5. Edwards Lifesciences Corporation
6. Smith & Nephew
7. Geistlich Pharma AG
8. Organogenesis Inc.
9. Institut Straumann AG
10. CryoLife, Inc.
11. Dentsply International
12. Integra LifeSciences Corporation
13. MiMedx Group, Inc.
14. St. Jude Medical, Inc.
15. B. Braun Melsungen AG
16. Wright Medical Technology, Inc.
17. ACE Surgical Supply Company, Inc.
18. BioHorizons IPH, Inc.
19. Botiss Biomaterials GmbH
20. Cytograft Tissue Engineering

21. Molnlycke Health Care

22. TEI Biosciences

## I would like to order

Product name: Global Tissue Engineered Medical Devices Market Forecast and Opportunities, 2020

Product link: <https://marketpublishers.com/r/GCC3267D1EFEN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCC3267D1EFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970