

# **Radiotherapy Market by Type (External Beam Radiation Therapy, Internal Radiation Therapy/Brachytherapy, and Systemic Radiation Therapy), and End User (Hospitals & Clinics and Ambulatory Surgical Centers) - Global Opportunity Analysis and Industry Forecast, 2017-2023**

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## **Abstracts**

Radiotherapy is also known as radiation therapy, which utilizes high-energy radiation to kill cancer cells and reduce tumors. It involves the use of various rays including X-rays, gamma rays, and charged particles. During radiotherapy, radiation can be delivered to the body tissues internally as well as externally. According to the National Cancer Institute, around half of all the cancer patient population receives some type of radiation therapy during their treatment.

The global radiotherapy market was valued at \$4,723 million in 2016, and is expected to reach at \$7,222 million by 2023, growing at a CAGR of 6.2% from 2017 to 2023. The market is driven by growth in number of cancer patients, increase in geriatric population, rise in adoption of radiotherapy devices and procedures, owing to surge in number of awareness campaigns about the benefits of radiotherapy, and technological advancements in radiotherapy devices. However, lack of skilled personnel and difficulty in tumor visualization restrict the market growth. Conversely, growth opportunities in emerging markets and rise in demand for cancer treatment are expected to provide several opportunities for market growth during the forecast period.

The report segments the market based on type, end user, and region. Based on type, it is divided into external beam radiation therapy, internal radiation therapy/brachytherapy, and systemic radiation therapy. Based on end user, it is categorized into hospitals & clinics and ambulatory surgical centers. Based on region, it is analyzed across North

America (U.S., Canada, and Mexico), Europe (Germany, France, Italy, UK, Spain, and rest of Europe), Asia-Pacific (China, Japan, Australia, India, South Korea, and rest of Asia-Pacific), and LAMEA (Brazil, Colombia, Saudi Arabia, and rest of LAMEA).

## KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the market with current trends and future estimations to elucidate the imminent investment pockets.

It offers a quantitative analysis and comprehensive analysis of all geographical regions from 2016 to 2023 to enable the stakeholders to capitalize on the prevailing market opportunities.

Extensive analysis by type helps to understand the various types of devices used for radiotherapy.

Key players are profiled and their strategies are analyzed thoroughly to understand competitive outlook of the global market.

## KEY MARKET SEGMENTS

### BY TYPE

External Beam Radiation Therapy

By Product

Compact Advanced Radiotherapy Systems

Cyberknife

Gamma Knife

Tomotherapy

Proton Therapy Systems

## Conventional Radiotherapy Systems

### By Technology

Image-Guided Radiotherapy (IGRT)

Intensity Modulated Radiotherapy (IMRT)

Stereotactic Technology

Proton Beam Therapy

3D Conformal Radiotherapy (3D CRT)

Volumetric Modulated Arc Therapy (VMAT)

### By Application

Prostate Cancer

Breast Cancer

Lung Cancer

Colorectal Cancer

Other

Internal Radiation Therapy/Brachytherapy

### By Product

Seeds & Applicators

Electronic Brachytherapy

## By Technology

Low Dose Rate

High Dose Rate

## By Application

Prostate Cancer

Gynecological Cancer

Breast Cancer

Other

Systemic Radiation Therapy

## BY END USER

Hospitals & Clinics

Ambulatory Surgical Centers

## BY REGION

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

## LIST OF KEY PLAYERS PROFILED IN THE REPORT

Varian Medical Systems, Inc.

Elekta AB

Accuray Incorporated

IBA (Ion Beam Applications Sa)

Nordion, Inc.

C. R. Bard, Inc.

Isoray Medical, Inc.

Raysearch Laboratories AB

Mevion Medical Systems, Inc.

Mitsubishi Electric Corporation

LIST OF OTHER PLAYERS IN THE VALUE CHAIN (These players are not profiled in the report. The same will be included on request)

Shenzhen GeneMDx Biotech. Co., Ltd.

Vision RT Ltd.

IntraOp Medical, Inc.

Eckert & Ziegler

Theragenics Corporation

## Contents

### CHAPTER 1 INTRODUCTION

- 1.1. REPORT DESCRIPTION
- 1.2. KEY BENEFITS FOR STAKEHOLDERS
- 1.3. KEY MARKET SEGMENTS
- 1.4. RESEARCH METHODOLOGY
  - 1.4.1. Secondary research
  - 1.4.2. Primary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1. KEY FINDINGS OF THE STUDY
- 2.2. CXO PERSPECTIVE

### CHAPTER 3 MARKET OVERVIEW

- 3.1. MARKET DEFINITION AND SCOPE
- 3.2. KEY FINDINGS
  - 3.2.1. Top investment pockets
  - 3.2.2. Top winning strategies
    - 3.2.2.1. Competitive intelligence of companies and their strategies
- 3.3. MARKET SHARE ANALYSIS, 2016
- 3.4. MARKET DYNAMICS
  - 3.4.1. Drivers
    - 3.4.1.1. Growing number of cancer patients
    - 3.4.1.2. Increasing ageing population
    - 3.4.1.3. Rising awareness and increasing adoption of radiotherapy devices and procedures
    - 3.4.1.4. Technological advancements in radiotherapy devices
  - 3.4.2. Restraints
    - 3.4.2.1. Dearth of skilled personnel
    - 3.4.2.2. Difficulty in tumor visualization
  - 3.4.3. Opportunities
    - 3.4.3.1. Growth opportunities in emerging markets
    - 3.4.3.2. Increasing demand for cancer treatment
  - 3.4.4. Impact analysis

### 3.5. CLINICAL TRIALS

## CHAPTER 4 GLOBAL RADIOTHERAPY MARKET, BY TYPE

### 4.1. OVERVIEW

#### 4.1.1. Market size and forecast

### 4.2. EXTERNAL BEAM RADIATION THERAPY

#### 4.2.1. Key market trends

#### 4.2.2. Key growth factors and opportunities

#### 4.2.3. Market size and forecast

#### 4.2.4. External beam radiation therapy market, by product

#### 4.2.5. Market size and forecast

##### 4.2.5.1. Compact advanced radiotherapy systems

###### 4.2.5.1.1. Market size and forecast

###### 4.2.5.1.2. CyberKnife

###### 4.2.5.1.2.1. Market size and forecast

###### 4.2.5.1.3. Gamma Knife

###### 4.2.5.1.3.1. Market size and forecast

###### 4.2.5.1.4. Tomotherapy

###### 4.2.5.1.4.1. Market size and forecast

##### 4.2.5.2. Proton therapy systems

###### 4.2.5.2.1. Market size and forecast

##### 4.2.5.3. Conventional radiotherapy systems

###### 4.2.5.3.1. Market size and forecast

#### 4.2.6. External beam radiation therapy, by technology

#### 4.2.7. Market size and forecast

##### 4.2.7.1. 3D Conformal Radiotherapy (3D CRT)

###### 4.2.7.1.1. Market size & forecast

##### 4.2.7.2. Image-Guided Radiotherapy (IGRT)

###### 4.2.7.2.1. Market size & forecast

##### 4.2.7.3. Intensity Modulated Radiotherapy (IMRT)

###### 4.2.7.3.1. Market size & forecast

##### 4.2.7.4. Stereotactic Technology

###### 4.2.7.4.1. Market size & forecast

##### 4.2.7.5. Proton Beam Therapy

###### 4.2.7.5.1. Market size & forecast

##### 4.2.7.6. Volumetric Modulated Arc Therapy (VMAT)

###### 4.2.7.6.1. Market size & forecast

#### 4.2.8. External beam radiation therapy, by application



#### 4.2.9. Market size & forecast

##### 4.2.9.1. Prostate Cancer

###### 4.2.9.1.1. Market size & forecast

##### 4.2.9.2. Breast Cancer

###### 4.2.9.2.1. Market size & forecast

##### 4.2.9.3. Lung Cancer

###### 4.2.9.3.1. Market size & forecast

##### 4.2.9.4. Colorectal Cancer

###### 4.2.9.4.1. Market size & forecast

##### 4.2.9.5. Other

###### 4.2.9.5.1. Market size & forecast

#### 4.3. INTERNAL RADIATION THERAPY/BRACHYTHERAPY

##### 4.3.1. Key market trends

##### 4.3.2. Key growth factors and opportunities

##### 4.3.3. Market size and forecast

##### 4.3.4. Brachytherapy market, by product

##### 4.3.5. Market size and forecast

###### 4.3.5.1. Implants & applicators

###### 4.3.5.1.1. Market size and forecast

###### 4.3.5.2. Electronic brachytherapy devices

###### 4.3.5.2.1. Market size and forecast

##### 4.3.6. Brachytherapy market, by technology

##### 4.3.7. Market size and forecast

###### 4.3.7.1. Low dose rate

###### 4.3.7.1.1. Market size and forecast

###### 4.3.7.2. High dose rate

###### 4.3.7.2.1. Market size and forecast

##### 4.3.8. Brachytherapy market, by application

##### 4.3.9. Market size and forecast

###### 4.3.9.1. Prostate cancer

###### 4.3.9.1.1. Market size and forecast

###### 4.3.9.2. Gynecological cancer

###### 4.3.9.2.1. Market size and forecast

###### 4.3.9.3. Breast cancer

###### 4.3.9.3.1. Market size and forecast

###### 4.3.9.4. Other

###### 4.3.9.4.1. Market size and forecast

#### 4.4. SYSTEMIC RADIATION THERAPY

##### 4.4.1. Key market trends

4.4.2. Key growth factors and opportunities

4.4.3. Market size and forecast

## **CHAPTER 5 RADIOTHERAPY MARKET, BY END USER**

### **5.1. OVERVIEW**

5.1.1. Market size and forecast

### **5.2. HOSPITALS & CLINICS**

5.2.1. Market size and forecast

### **5.3. AMBULATORY SURGICAL CENTERS (ASCS)**

5.3.1. Market size and forecast

## **CHAPTER 6 RADIOTHERAPY MARKET, BY REGION**

### **6.1. OVERVIEW**

6.1.1. Market size and forecast

### **6.2. NORTH AMERICA**

6.2.1. Key market trends

6.2.2. Key growth factors and opportunities

6.2.3. Market size and forecast

6.2.4. U.S.

6.2.5. Canada

6.2.6. Mexico

### **6.3. EUROPE**

6.3.1. Key market trends

6.3.2. Key growth factors and opportunities

6.3.3. Market size and forecast

6.3.4. Germany

6.3.5. France

6.3.6. UK

6.3.7. Italy

6.3.8. Spain

6.3.9. Rest of Europe

### **6.4. ASIA-PACIFIC**

6.4.1. Key market trends

6.4.2. Key growth factors and opportunities

6.4.3. Market size and forecast

6.4.4. Japan

6.4.5. China

- 6.4.6. India
- 6.4.7. South Korea
- 6.4.8. Australia
- 6.4.9. Rest of Asia-Pacific
- 6.5. LAMEA
  - 6.5.1. Key market trends
  - 6.5.2. Key growth factors and opportunities
  - 6.5.3. Market size and forecast
  - 6.5.4. Brazil
  - 6.5.5. South Africa
  - 6.5.6. Saudi Arabia
  - 6.5.7. Rest of LAMEA

## **CHAPTER 7 COMPANY PROFILES**

- 7.1. ACCURAY INCORPORATED
  - 7.1.1. Company overview
  - 7.1.2. Company snapshot
  - 7.1.3. Operating business segments
  - 7.1.4. Product portfolio
  - 7.1.5. Business performance
  - 7.1.7. Key strategic moves and developments
- 7.2. C. R. BARD, INC.
  - 7.2.1. Company overview
  - 7.2.2. Company snapshot
  - 7.2.3. Operating business segments
  - 7.2.4. Product portfolio
  - 7.2.5. Key strategic moves and developments
- 7.3. ELEKTA AB
  - 7.3.1. Company overview
  - 7.3.2. Company Snapshot
  - 7.3.3. Operating business segments
  - 7.3.4. Product portfolio
  - 7.3.5. Business performance
  - 7.3.7. Key strategic moves and developments
- 7.4. IBA (ION BEAM APPLICATIONS SA)
  - 7.4.1. Company overview
  - 7.4.2. Company snapshot
  - 7.4.3. Operating business segments

- 7.4.4. Key strategic moves and developments
- 7.5. ISORAY MEDICAL, INC.
  - 7.5.1. Company overview
  - 7.5.2. Company snapshot
  - 7.5.3. Operating business segments
  - 7.5.4. Product portfolio
  - 7.5.5. Business performance
  - 7.5.7. Key strategic moves and developments
- 7.6. MEVION MEDICAL SYSTEMS, INC.
  - 7.6.1. Company overview
  - 7.6.2. Company snapshot
  - 7.6.3. Operating business segments
  - 7.6.4. Product portfolio
  - 7.6.5. Business performance
  - 7.6.7. Key strategic moves and developments
- 7.7. MITSUBISHI ELECTRIC CORPORATION
  - 7.7.1. Company overview
  - 7.7.2. Company snapshot
  - 7.7.3. Operating business segments
  - 7.7.4. Product portfolio
  - 7.7.5. Key strategic moves and developments
- 7.8. NORDION, INC.
  - 7.8.1. Company overview
  - 7.8.2. Company snapshot
  - 7.8.3. Operating business segments
  - 7.8.4. Product portfolio
  - 7.8.5. Key strategic moves and developments
- 7.9. RAYSEARCH LABORATORIES AB
  - 7.9.1. Company overview
  - 7.9.2. Company snapshot
  - 7.9.3. Operating product categories
  - 7.9.4. Product portfolio
  - 7.9.5. Business performance
  - 7.9.6. Key strategic moves and developments
- 7.10. VARIAN MEDICAL SYSTEMS, INC.
  - 7.10.1. Company overview
  - 7.10.2. Company snapshot
  - 7.10.3. Operating business segments
  - 7.10.4. Product portfolio



## List Of Tables

### LIST OF TABLES

TABLE 1. GLOBAL RADIOTHERAPY MARKET, BY TYPE, 2016-2023 (\$MILLION)

TABLE 2. GLOBAL EXTERNAL BEAM RADIATION THERAPY MARKET, BY REGION, 2016-2023 (\$MILLION)

TABLE 3. GLOBAL EXTERNAL BEAM RADIATION THERAPY MARKET, BY PRODUCT, 2016-2023 (\$MILLION)

TABLE 4. GLOBAL COMPACT ADVANCED RADIOTHERAPY SYSTEMS MARKET, BY PRODUCT, 2016-2023 (\$MILLION)

TABLE 5. GLOBAL EXTERNAL BEAM RADIATION THERAPY MARKET, BY TECHNOLOGY, 2016-2023 (\$MILLION)

TABLE 6. GLOBAL EXTERNAL BEAM RADIATION THERAPY MARKET, BY APPLICATION, 2016-2023 (\$MILLION)

TABLE 7. GLOBAL INTERNAL RADIATION THERAPY/BRACHYTHERAPY MARKET, BY REGION, 2016-2023 (\$MILLION)

TABLE 8. GLOBAL INTERNAL RADIATION THERAPY MARKET, BY PRODUCT, 2016-2023 (\$MILLION)

TABLE 9. GLOBAL INTERNAL RADIATION THERAPY MARKET, BY TECHNOLOGY, 2016-2023 (\$MILLION)

TABLE 10. GLOBAL INTERNAL RADIATION THERAPY MARKET, BY APPLICATION, 2016-2023 (\$MILLION)

TABLE 11. GLOBAL SYSTEMIC RADIATION THERAPY MARKET, BY REGION, 2016-2023 (\$MILLION)

TABLE 12. GLOBAL RADIOTHERAPY MARKET, BY END USER, 2016-2023 (\$MILLION)

TABLE 13. RADIOTHERAPY MARKET FOR HOSPITALS & CLINICS, BY REGION, 2016-2023 (\$MILLION)

TABLE 14. RADIOTHERAPY MARKET FOR AMBULATORY SURGICAL CENTERS, BY REGION, 2016-2023 (\$MILLION)

TABLE 15. RADIOTHERAPY MARKET, BY REGION, 2016-2023 (\$MILLION)

TABLE 16. CANCER INCIDENCE IN NORTH AMERICA (U.S., CANADA, AND MEXICO)

TABLE 17. NORTH AMERICA RADIOTHERAPY MARKET, BY COUNTRY (\$MILLION), 2016-2023

TABLE 18. NORTH AMERICA RADIOTHERAPY MARKET, BY PRODUCT, 2016-2023 (\$MILLION)

TABLE 19. NORTH AMERICA RADIOTHERAPY MARKET, BY END USER, 2016-2023

(\$MILLION)

TABLE 20. CANCER INCIDENCE IN EUROPEAN UNION (EU-28)

TABLE 21. EUROPE RADIOTHERAPY MARKET, BY COUNTRY (\$MILLION),  
2016-2023TABLE 22. EUROPE RADIOTHERAPY MARKET, BY PRODUCT, 2016-2023  
(\$MILLION)TABLE 23. EUROPE RADIOTHERAPY MARKET, BY END USER (\$MILLION),  
2016-2023

TABLE 24. CANCER INCIDENCE IN ASIA

TABLE 25. ASIA-PACIFIC RADIOTHERAPY MARKET, BY COUNTRY (\$MILLION),  
2016-2023TABLE 26. ASIA-PACIFIC RADIOTHERAPY MARKET, BY PRODUCT, 2016-2023  
(\$MILLION)TABLE 27. ASIA-PACIFIC RADIOTHERAPY MARKET, BY END USER (\$MILLION),  
2016-2023

TABLE 28. CANCER INCIDENCE IN AFRICA

TABLE 29. LAMEA RADIOTHERAPY MARKET, BY COUNTRY (\$MILLION),  
2016-2023TABLE 30. LAMEA RADIOTHERAPY MARKET, BY PRODUCT, 2016-2023  
(\$MILLION)TABLE 31. LAMEA RADIOTHERAPY MARKET, BY END USER (\$MILLION),  
2016-2023

TABLE 37. ACCURAY: COMPANY SNAPSHOT

TABLE 38. ACCURAY: OPERATING SEGMENTS

TABLE 39. C. R. BARD: COMPANY SNAPSHOT

TABLE 40. C. R. BARD: OPERATING SEGMENTS

TABLE 41. ELEKTA: COMPANY SNAPSHOT

TABLE 42. ELEKTA: OPERATING SEGMENTS

TABLE 43. IBA: COMPANY SNAPSHOT

TABLE 44. IBA: OPERATING SEGMENTS

TABLE 45. ISORAY MEDICAL: COMPANY SNAPSHOT

TABLE 46. ISORAY MEDICAL: OPERATING SEGMENTS

TABLE 47. MEVION: COMPANY SNAPSHOT

TABLE 48. MEVION: OPERATING SEGMENTS

TABLE 49. MITSUBISHI ELECTRIC: COMPANY SNAPSHOT

TABLE 50. MITSUBISHI ELECTRIC: OPERATING SEGMENTS

TABLE 51. NORDION: COMPANY SNAPSHOT

TABLE 52. NORDION: OPERATING SEGMENTS

TABLE 53. RAYSEARCH LABORATORIES: COMPANY SNAPSHOT

TABLE 54. RAYSEARCH LABORATORIES: OPERATING SEGMENTS

TABLE 55. VARIAN MEDICAL: COMPANY SNAPSHOT

TABLE 56. VARIAN MEDICAL: OPERATING SEGMENTS



## List Of Figures

### LIST OF FIGURES

FIGURE 1. RADIOTHERAPY MARKET SEGMENTATION

FIGURE 2. TOP INVESTMENT POCKETS

FIGURE 3. TOP WINNING STRATEGIES: PERCENTAGE DISTRIBUTION, (2014-2016)

FIGURE 4. TOP WINNING STRATEGIES: NATURE AND TYPE

FIGURE 5. TOP COMPANIES AND THEIR STRATEGIES

FIGURE 6. DETAILED STRUCTURE OF COMPANIES AND NATURE OF STRATEGIES

FIGURE 7. DETAILED STRUCTURE OF COMPANIES AND TYPE OF STRATEGIES

FIGURE 8. MARKET SHARE ANALYSIS, RADIOTHERAPY MARKET, 2016

FIGURE 9. IMPACT ANALYSIS: RADIOTHERAPY MARKET

FIGURE 10. GEOGRAPHICAL DISTRIBUTION OF COMPLETED CLINICAL TRIALS IN RADIOTHERAPY MARKET (%)

FIGURE 11. GLOBAL SYSTEMIC RADIATION THERAPY MARKET, 2016-2023 (\$MILLION)

FIGURE 12. U.S. RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 13. CANADA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 14. MEXICO RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 15. DISTRIBUTION OF THE EUROPEAN UNION (EU) POPULATION AGED 18 OR OVER BY BODY MASS INDEX, 2014 (%)

FIGURE 16. GERMANY RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 17. FRANCE RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 18. UK RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 19. ITALY RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 20. SPAIN RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 21. REST OF EUROPE RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 22. JAPAN RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 23. CHINA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 24. INDIA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 25. SOUTH KOREA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 26. AUSTRALIA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 27. REST OF ASIA-PACIFIC RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 28. BRAZIL RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 29. SOUTH AFRICA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 30. SAUDI ARABIA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

FIGURE 31. REST OF LAMEA RADIOTHERAPY MARKET (\$MILLION), 2016-2023

## I would like to order

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