

# **Intraoperative Radiation Therapy Market Size, Trends, Analysis, and Outlook By Products and Services (Products, Services), By Technology (Electron IORT, Intraoperative Brachytherapy, Others), By Application (Breast Cancer, Brain Tumor, Gastrointestinal Cancer, Head & Neck Cancer, Others), by Country, Segment, and Companies, 2024-2032**

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## **Abstracts**

The global Intraoperative Radiation Therapy market size is poised to register 7.2% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Intraoperative Radiation Therapy market across By Products and Services (Products, Services), By Technology (Electron IORT, Intraoperative Brachytherapy, Others), By Application (Breast Cancer, Brain Tumor, Gastrointestinal Cancer, Head & Neck Cancer, Others)

The intraoperative radiation therapy (IORT) market is driven by the increasing demand for targeted and localized cancer treatments, advancements in radiation delivery systems and surgical oncology techniques, and the growing emphasis on personalized cancer care and organ preservation. By 2030, the market is anticipated to witness significant growth, fueled by innovations in mobile linear accelerators, electronic brachytherapy systems, and image-guided radiation therapy (IGRT). Further, expanding applications in breast cancer, pancreatic cancer, and brain tumors are expected to drive market expansion, enabling surgical oncologists, radiation oncologists, and multidisciplinary teams to deliver precise, high-dose radiation therapy during surgery through intraoperative radiation therapy solutions that offer efficiency, safety, and oncologic control for tumor ablation and local control in the intraoperative radiation therapy market and cancer treatment field.

## Intraoperative Radiation Therapy Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Intraoperative Radiation Therapy market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Intraoperative Radiation Therapy survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Intraoperative Radiation Therapy industry.

## Key market trends defining the global Intraoperative Radiation Therapy demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Intraoperative Radiation Therapy Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Intraoperative Radiation Therapy industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Intraoperative Radiation Therapy companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Intraoperative Radiation Therapy industry

Leading Intraoperative Radiation Therapy companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The

report provides key strategies opted for by the top 10 Intraoperative Radiation Therapy companies.

### Intraoperative Radiation Therapy Market Study- Strategic Analysis Review

The Intraoperative Radiation Therapy market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Intraoperative Radiation Therapy Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Intraoperative Radiation Therapy industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

### Intraoperative Radiation Therapy Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

### North America Intraoperative Radiation Therapy Market Size Outlook- Companies plan

for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Intraoperative Radiation Therapy market segments. Similarly, Strong market demand is encouraging Canadian Intraoperative Radiation Therapy companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Intraoperative Radiation Therapy market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Intraoperative Radiation Therapy Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Intraoperative Radiation Therapy industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Intraoperative Radiation Therapy market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Intraoperative Radiation Therapy Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Intraoperative Radiation Therapy in Asia Pacific. In particular, China, India, and South East Asian Intraoperative Radiation Therapy markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data

analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

### Latin America Intraoperative Radiation Therapy Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

### Middle East and Africa Intraoperative Radiation Therapy Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Intraoperative Radiation Therapy market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Intraoperative Radiation Therapy.

### Intraoperative Radiation Therapy Market Company Profiles

The global Intraoperative Radiation Therapy market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Ariane Medical Systems Ltd, Becton, Dickinson and Company, Brainlab AG, DOSIsoft SA, Eckert & Ziegler, Elekta AB, GMV Innovating Solutions, Huiheng Medical, iCAD Inc, IntraOp Medical Inc, IsoAid LLC, Isoray Inc, Merit Medical Systems Inc, Panacea Medical Technologies Pvt. Ltd, RaySearch Laboratories, REMEDI Co. Ltd, Salutaris Medical Devices, SeeDos Ltd, Sensus Healthcare Inc, Sordina IORT Technologies, Sun Nuclear Corp, Theragenics Corp, Varian Medical Systems Inc, Xstrahl Medical, ZEISS Group.

### Recent Intraoperative Radiation Therapy Market Developments

The global Intraoperative Radiation Therapy market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Intraoperative Radiation Therapy Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

### Market Segmentation:

By Products and Services

Products

-Systems/Accelerators

-Applicators & Afterloaders

-Treatment Planning Systems

-Accessories

Services

By Technology

Electron IORT

Intraoperative Brachytherapy

Others

By Application

Breast Cancer

Brain Tumor

Gastrointestinal Cancer

Head & Neck Cancer

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Ariane Medical Systems Ltd

Becton, Dickinson and Company

Brainlab AG

DOSIsoft SA

Eckert & Ziegler

Elekta AB

GMV Innovating Solutions

Huiheng Medical

iCAD Inc

IntraOp Medical Inc

IsoAid LLC

Isoray Inc

Merit Medical Systems Inc

Panacea Medical Technologies Pvt. Ltd

RaySearch Laboratories

REMEDI Co. Ltd

Salutaris Medical Devices

SeeDos Ltd

Sensus Healthcare Inc

Sordina IORT Technologies



Sun Nuclear Corp

Theragenics Corp

Varian Medical Systems Inc

Xstrahl Medical

ZEISS Group

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Intraoperative Radiation Therapy Market Overview and Key Findings, 2024
- 1.2 Intraoperative Radiation Therapy Market Size and Growth Outlook, 2021- 2030
- 1.3 Intraoperative Radiation Therapy Market Growth Opportunities to 2030
- 1.4 Key Intraoperative Radiation Therapy Market Trends and Challenges
  - 1.4.1 Intraoperative Radiation Therapy Market Drivers and Trends
  - 1.4.2 Intraoperative Radiation Therapy Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Intraoperative Radiation Therapy Companies

### 2. INTRAOPERATIVE RADIATION THERAPY MARKET SIZE OUTLOOK TO 2030

- 2.1 Intraoperative Radiation Therapy Market Size Outlook, USD Million, 2021- 2030
- 2.2 Intraoperative Radiation Therapy Incremental Market Growth Outlook, %, 2021-2030
- 2.3 Segment Snapshot, 2024

### 3. INTRAOPERATIVE RADIATION THERAPY MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. INTRAOPERATIVE RADIATION THERAPY MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030  
By Products and Services

## Products

- Systems/Accelerators
- Applicators & Afterloaders
- Treatment Planning Systems
- Accessories

## Services

- By Technology
- Electron IORT
- Intraoperative Brachytherapy
- Others
- By Application
- Breast Cancer
- Brain Tumor
- Gastrointestinal Cancer
- Head & Neck Cancer
- Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Intraoperative Radiation Therapy Market, 2025

5.2 Asia Pacific Intraoperative Radiation Therapy Market Size Outlook by Type, 2021-2030

5.3 Asia Pacific Intraoperative Radiation Therapy Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Intraoperative Radiation Therapy Market, 2025

5.5 Europe Intraoperative Radiation Therapy Market Size Outlook by Type, 2021- 2030

5.6 Europe Intraoperative Radiation Therapy Market Size Outlook by Application, 2021-2030

5.7 Key Findings for North America Intraoperative Radiation Therapy Market, 2025

5.8 North America Intraoperative Radiation Therapy Market Size Outlook by Type, 2021- 2030

5.9 North America Intraoperative Radiation Therapy Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Intraoperative Radiation Therapy Market, 2025

5.11 South America Pacific Intraoperative Radiation Therapy Market Size Outlook by Type, 2021- 2030

5.12 South America Intraoperative Radiation Therapy Market Size Outlook by

Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Intraoperative Radiation Therapy Market, 2025

5.14 Middle East Africa Intraoperative Radiation Therapy Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Intraoperative Radiation Therapy Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

6.1 US Intraoperative Radiation Therapy Market Size Outlook and Revenue Growth Forecasts

6.2 US Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea Intraoperative Radiation Therapy Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

- 6.28 Australia Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Intraoperative Radiation Therapy Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Intraoperative Radiation Therapy Industry Drivers and Opportunities

## **7. INTRAOPERATIVE RADIATION THERAPY MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. INTRAOPERATIVE RADIATION THERAPY COMPANY PROFILES**

- 8.1 Profiles of Leading Intraoperative Radiation Therapy Companies in the Market
  - 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
  - 8.3 Financial Performance and Key Metrics
- Ariane Medical Systems Ltd  
Becton, Dickinson and Company  
Brainlab AG  
DOSIsoft SA  
Eckert & Ziegler  
Elekta AB  
GMV Innovating Solutions  
Huiheng Medical

iCAD Inc  
IntraOp Medical Inc  
IsoAid LLC  
Isoray Inc  
Merit Medical Systems Inc  
Panacea Medical Technologies Pvt. Ltd  
RaySearch Laboratories  
REMEDI Co. Ltd  
Salutaris Medical Devices  
SeeDos Ltd  
Sensus Healthcare Inc  
Sordina IORT Technologies  
Sun Nuclear Corp  
Theragenics Corp  
Varian Medical Systems Inc  
Xstrahl Medical  
ZEISS Group.

## **9. APPENDIX**

9.1 Scope of the Report  
9.2 Research Methodology and Data Sources  
9.3 Glossary of Terms  
9.4 Market Definitions  
9.5 Contact Information

## I would like to order

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