

Surface Guided Radiation Therapy (SGRT) Devices Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Device Type (Portable and Fixed), By Application (Breast Cancer, Head & Neck Cancer, Abdominal & Pelvic Cancer, Dermatology, Others), By End User (Hospitals & Clinics, Diagnostic Centers, Others), By Region and Competition, 2020-2030F

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Abstracts

Market Overview

Global Surface Guided Radiation Therapy (SGRT) Devices Market was valued at USD 235.56 million in 2024 and is anticipated to project robust growth in the forecast period with a CAGR of 10.04% through 2030. The rise in the prevalence of cancer globally is one of the main factors driving the growth of the SGRT (Surface Guided Radiation Therapy) devices market. Advancements in technology have revolutionized radiation therapy by improving treatment accuracy, reducing the time required for treatment sessions, and minimizing damage to healthy tissues. These notable improvements have significantly contributed to the growing demand for SGRT devices.

The future of the SGRT devices market looks highly promising, with continuous innovations and research driving further growth. As healthcare providers increasingly recognize the benefits of SGRT technology, its adoption is projected to expand. Additionally, as patients become more aware of the advantages associated with SGRT, the demand for these devices is expected to soar.

Key Market Drivers

Rise in Prevalence of Cancer

Cancer, one of the leading causes of death globally, continues to affect millions of individuals each year. Increasing incidence of cancer has led to a growing demand for innovative and effective treatment modalities, such as Surface Guided Radiation Therapy (SGRT).

SGRT devices offer a highly precise and non-invasive form of radiotherapy that minimizes damage to healthy tissues surrounding tumors. By utilizing advanced imaging and tracking technologies, SGRT enables real-time patient monitoring and movement tracking during radiation treatment. This level of precision and accuracy allows healthcare professionals to deliver precise radiation doses to the tumor while sparing healthy tissues, particularly beneficial in treating cancers located near critical organs.

The rising number of cancer cases and the need for more targeted and personalized treatments have driven the growth of the SGRT devices market. With ongoing research and technological advancements, SGRT devices have become an integral part of modern cancer treatment strategies. The ability to deliver radiation therapy with enhanced precision and efficiency has significantly improved patient outcomes and quality of life.

Key Market Challenges

Limited Awareness and Adoption of SGRT Devices

Despite the proven effectiveness of Surface Guided Radiation Therapy (SGRT) devices in enhancing the precision and accuracy of radiation therapy, there is still a significant lack of awareness and understanding among healthcare professionals and patients regarding this advanced technology. This lack of awareness can primarily be attributed to various factors.

The relatively recent introduction of SGRT devices has limited their widespread adoption and knowledge. Traditional radiation therapy methods have been dominant for a long time, and it takes time for new technologies to gain recognition and acceptance in the medical field.

The complexity of SGRT devices and the need for specialized training to operate them

further contribute to the limited awareness and understanding among healthcare providers. The technical aspects and intricacies of SGRT devices require healthcare professionals to undergo specific training to ensure proper utilization and maximize the benefits of this technology.

The limited awareness directly impacts the adoption rate of SGRT devices, not only in developing countries with resource constraints but also in developed countries. Many hospitals and cancer research institutes, particularly those in resource-limited settings, still heavily rely on conventional radiation therapy methods due to the high cost associated with implementing and maintaining SGRT devices.

The need for specialized training and technical expertise to operate SGRT devices can pose challenges to their widespread adoption, especially in regions facing shortages of skilled healthcare professionals. The scarcity of trained personnel capable of operating and maintaining SGRT devices can hinder the integration and utilization of this advanced technology in healthcare facilities.

Despite the proven effectiveness of SGRT devices, the lack of awareness, the dominance of traditional methods, the complexity of the technology, and the need for specialized training and resources all contribute to the limited adoption and understanding of SGRT devices in the field of radiation therapy.

Key Market Trends

Growing Focus on Personalized Medicine

Personalized medicine, also known as precision medicine, is a revolutionary approach that seeks to optimize medical treatment based on the unique characteristics of each patient. By leveraging genetic or other biomarker information, healthcare providers can tailor preventative health care plans and therapies to the individual needs of patients.

In recent years, personalized medicine has gained significant traction in the healthcare industry, driven by remarkable advancements in genomics, proteomics, and metabolomics, as well as the development of targeted therapies. This paradigm shift towards personalized medicine has had a profound impact on the market for Surface Guided Radiation Therapy (SGRT) devices.

SGRT devices offer an unparalleled level of precision in radiotherapy, which plays a crucial role in the personalized treatment of cancer patients. By utilizing real-time

imaging and monitoring, these devices empower healthcare professionals to administer radiation doses that are precisely tailored to the dimensions and location of a patient's tumor. This targeted approach minimizes the potential damage to surrounding healthy tissues, enhancing the overall efficacy and safety of radiation therapy.

Key Market Players

Vision RT Ltd.

C-RAD AB

Varian Medical Systems Inc

BrainLab AG

Klarity Medical

Mirion Technologies, Inc.

Elekta AB

Surface Imaging Solutions Limited

Civco Medical Instruments Co. Inc.

Accuray Inc

Report Scope:

In this report, the Global Surface Guided Radiation Therapy (SGRT) Devices Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Surface Guided Radiation Therapy (SGRT) Devices Market, By Device Type:

Portable

Fixed

Surface Guided Radiation Therapy (SGRT) Devices Market, By Application:

Breast Cancer

Head & Neck Cancer

Abdominal & Pelvic Cancer

Dermatology

Others

Surface Guided Radiation Therapy (SGRT) Devices Market, By End User:

Hospitals & Clinics

Diagnostic Centers

Others

Surface Guided Radiation Therapy (SGRT) Devices Market, By Region:

North America

Europe

Asia Pacific

South America

Middle East & Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Surface Guided Radiation Therapy (SGRT) Devices Market.

Available Customizations:

Global Surface Guided Radiation Therapy (SGRT) Devices Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. IMPACT OF COVID-19 ON GLOBAL SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET

5. VOICE OF CUSTOMER

6. GLOBAL SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast

- 6.2.1. By Device Type (Portable and Fixed)
- 6.2.2. By Application (Breast Cancer, Head & Neck Cancer, Abdominal & Pelvic Cancer, Dermatology, Others)
- 6.2.3. By End User (Hospitals & Clinics, Diagnostic Centers, Others)
- 6.2.4. By Region
- 6.2.5. By Company (2024)
- 6.3. Market Map (By Device Type, By Application, By End User, By Region)

7. ASIA PACIFIC SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Device Type
 - 7.2.2. By Application
 - 7.2.3. By End User
 - 7.2.4. By Country
- 7.3. Asia Pacific: Country Analysis
 - 7.3.1. China Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Device Type
 - 7.3.1.2.2. By Application
 - 7.3.1.2.3. By End User
 - 7.3.2. India Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Device Type
 - 7.3.2.2.2. By Application
 - 7.3.2.2.3. By End User
 - 7.3.3. Australia Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Device Type
 - 7.3.3.2.2. By Application

7.3.3.2.3. By End User

7.3.4. Japan Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Device Type

7.3.4.2.2. By Application

7.3.4.2.3. By End User

7.3.5. South Korea Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Device Type

7.3.5.2.2. By Application

7.3.5.2.3. By End User

8. EUROPE SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Device Type

8.2.2. By Application

8.2.3. By End User

8.2.4. By Country

8.3. Europe: Country Analysis

8.3.1. France Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Device Type

8.3.1.2.2. By Application

8.3.1.2.3. By End User

8.3.2. Germany Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

- 8.3.2.2.1. By Device Type
- 8.3.2.2.2. By Application
- 8.3.2.2.3. By End User
- 8.3.3. Spain Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Device Type
 - 8.3.3.2.2. By Application
 - 8.3.3.2.3. By End User
- 8.3.4. Italy Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Device Type
 - 8.3.4.2.2. By Application
 - 8.3.4.2.3. By End User
- 8.3.5. United Kingdom Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Device Type
 - 8.3.5.2.2. By Application
 - 8.3.5.2.3. By End User

9. NORTH AMERICA SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Device Type
 - 9.2.2. By Application
 - 9.2.3. By End User
 - 9.2.4. By Country
- 9.3. North America: Country Analysis
 - 9.3.1. United States Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

- 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
- 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Device Type
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By End User
- 9.3.2. Mexico Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Device Type
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By End User
- 9.3.3. Canada Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Device Type
 - 9.3.3.2.2. By Application
 - 9.3.3.2.3. By End User

10. SOUTH AMERICA SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Device Type
 - 10.2.2. By Application
 - 10.2.3. By End User
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Device Type
 - 10.3.1.2.2. By Application
 - 10.3.1.2.3. By End User

10.3.2. Argentina Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Device Type

10.3.2.2.2. By Application

10.3.2.2.3. By End User

10.3.3. Colombia Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Device Type

10.3.3.2.2. By Application

10.3.3.2.3. By End User

11. MIDDLE EAST AND AFRICA SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET OUTLOOK

11.1. Market Size & Forecast

11.1.1. By Value

11.2. Market Share & Forecast

11.2.1. By Device Type

11.2.2. By Application

11.2.3. By End User

11.2.4. By Country

11.3. MEA: Country Analysis

11.3.1. South Africa Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

11.3.1.1. Market Size & Forecast

11.3.1.1.1. By Value

11.3.1.2. Market Share & Forecast

11.3.1.2.1. By Device Type

11.3.1.2.2. By Application

11.3.1.2.3. By End User

11.3.2. Saudi Arabia Surface Guided Radiation Therapy (SGRT) Devices Market Outlook

11.3.2.1. Market Size & Forecast

11.3.2.1.1. By Value

11.3.2.2. Market Share & Forecast

- 11.3.2.2.1. By Device Type
- 11.3.2.2.2. By Application
- 11.3.2.2.3. By End User
- 11.3.3. UAE Surface Guided Radiation Therapy (SGRT) Devices Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Device Type
 - 11.3.3.2.2. By Application
 - 11.3.3.2.3. By End User

12. MARKET DYNAMICS

- 12.1. Drivers
- 12.2. Challenges

13. MARKET TRENDS & DEVELOPMENTS

- 13.1. Recent Developments
- 13.2. Product Launches
- 13.3. Mergers & Acquisitions

14. GLOBAL SURFACE GUIDED RADIATION THERAPY (SGRT) DEVICES MARKET: SWOT ANALYSIS

15. PORTER'S FIVE FORCES ANALYSIS

- 15.1. Competition in the Industry
- 15.2. Potential of New Entrants
- 15.3. Power of Suppliers
- 15.4. Power of Customers
- 15.5. Threat of Substitute Product

16. COMPETITIVE LANDSCAPE

- 16.1. Vision RT Ltd.
 - 16.1.1. Business Overview
 - 16.1.2. Company Snapshot
 - 16.1.3. Products & Services

- 16.1.4. Financials (As Reported)
- 16.1.5. Recent Developments
- 16.2. C-RAD AB
- 16.3. Varian Medical Systems Inc
- 16.4. BrainLab AG
- 16.5. Klarity Medical
- 16.6. Mirion Technologies, Inc.
- 16.7. Elekta AB
- 16.8. Surface Imaging Solutions Limited
- 16.9. Civco Medical Instruments Co. Inc.
- 16.10. Accuray Inc

17. STRATEGIC RECOMMENDATIONS

18. ABOUT US & DISCLAIMER

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