Radiotherapy Market Is Projected to Gain $11.9 Billion by 2031, Growing at a 6.3% CAGR

The global radiotherapy market size was valued at $6.5 billion in 2021, and is projected to reach $11.9 billion by 2031, growing at a CAGR of 6.3%.

WILMINGTON, DE, UNITED STATES, September 15, 2025 /EINPresswire.com/ -- According to the recent report published by Allied Market Research, the global radiotherapy market size is projected to gain $11.9 billion by 2031, having endorsed a value of $6.5 billion in 2021, exhibiting a considerable CAGR of 6.3% from 2021 to 2030. This market report offers a comprehensive overview of the most prominent investment pockets, the top market segments, the current market dynamics, the market size and estimates, the competitive landscape, and regional insights. It is an essential resource for investors and shareholders, as well as for leading market players seeking to plan and strengthen their competitive edge.

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Recent Developments in the Radiotherapy Market

In January 2022, IBA (Ion Beam Applications) launched a new low energy and compact size cyclotron, the Cyclone KEY. This new machine is expected to enable small- and medium-sized hospitals to produce their own radiopharmaceutical products in-house, whilst providing more widespread global access to diagnostic solutions in oncology, neurology, and cardiology.

In October 2021, Accuray Incorporated launched its new VOLO Ultra for the radixact system, at ASTRO 2021. VOLO Ultra is a new way of planning with the Accuray precision treatment planning system, which enables users to plan with ease, optimize with quality, and deliver treatments with efficiency.

In September 2020, Elekta launched its Elekta Harmony, a linear accelerator (linac), which is used for cancer treatment. This system is designed to meet healthcare centers' need for a productive, precise, and versatile radiotherapy treatment system. Harmony perfectly balances productivity, versatility, and precision without compromise, making it a solution for both, mature and developing markets.

In June 2021, IBA (Ion Beam Applications) launched its new high energy and high-capacity cyclotron, the Cyclone IKON, which offers the largest energy spectrum for PET and SPECT isotopes from 13 MeV to 30 MeV.

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The global radiotherapy market is categorized into various segments based on type, end user, and region. It is presented in both a tabular and graphical format, allowing individuals or businesses to gain visibility into the lucrative and rapidly growing segments.

On the basis of type, the external beam radiation therapy segment accounted for the highest market share in 2021, contributing to around four-fifths of the global radiotherapy market. However, the internal radiation therapy segment would display the fastest CAGR of 7.8% from 2022 to 2031. The systemic radiation therapy market is also analyzed in the report.

By end user, the hospitals and clinics segment garnered the major market share in 2021, accounting for around three-fifths of the global radiotherapy market, and is expected to retain its dominance throughout the forecast period. The others segment is also studied in the report.

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Based on region, North America held the largest market share in 2021, acquiring around two-fifths of the global radiotherapy market. The Asia-Pacific region, on the other hand, would portray the highest CAGR of 7.4% from 2022 to 2031. The other provinces studied in the report are Europe and LAMEA.

The report also provides an in-depth analysis of the prominent players in the global radiotherapy market including, Eckert & Ziegler Group, Siemens Healthineers AG, Accuray Incorporated, MEVION MEDICAL SYSTEMS, INC., Isoray, Inc., ICAD INC., Nordion Inc., Becton, Dickinson and Company, Elekta AB, and Ion Beam Applications SA.

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About Allied Market Research:

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Wilmington, Delaware. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domains. AMR offers its services across 11 industry verticals including Life Sciences, Consumer Goods, Materials & Chemicals, Construction & Manufacturing, Food & Beverages, Energy & Power, Semiconductor & Electronics, Automotive & Transportation, ICT & Media, Aerospace & Defense, and BFSI.

We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in inspiring and encouraging everyone associated with the company to maintain high quality of data and help clients in every way possible to achieve success. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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