

United Kingdom Lung Cancer Therapeutics Market By Cancer Cell Type (Non-small Cell Lung Cancer (NSCLC), Small Cell Lung Cancer (SCLC)), By Treatment (Chemotherapy, Radiation Therapy, Immunotherapy, Targeted Therapy, Other Treatments), By Region, Competition Forecast & Opportunities, 2018-2028F

<https://marketpublishers.com/r/UA509447692EEN.html>

Date: October 2023

Pages: 82

Price: US\$ 3,500.00 (Single User License)

ID: UA509447692EEN

Abstracts

The United Kingdom Lung Cancer Therapeutics Market is anticipated to grow significantly in the forecast period, 2024-2028. Lung cancer continues to be a significant health concern in the United Kingdom, posing substantial challenges for patients, healthcare providers, and researchers alike. However, advancements in lung cancer therapeutics have paved the way for improved treatment outcomes and a better quality of life for affected individuals. The United Kingdom has a robust healthcare system that prioritizes cancer care, including lung cancer. Lung cancer remains one of the most common types of cancer in the United Kingdom, with both smoking-related and non-smoking-related cases contributing to its prevalence.

Unchecked cell division in the lungs is what causes the condition known as lung cancer. Cells naturally divide and create additional copies of themselves. However, occasionally they experience modifications (mutations) that lead them to continue producing more of themselves when they shouldn't. The uncontrolled division of damaged cells results in tissue tumors, which eventually prevent organs from functioning properly. The term 'lung cancer' refers to cancers that begin in the lungs, typically in the alveoli or small air sacs (bronchi or bronchioles). Cancers that begin elsewhere and spread to the lungs are typically given names based on where they originate.

One of the most significant developments in lung cancer therapeutics has been the emergence of targeted therapies. These treatments are designed to target specific molecular alterations in cancer cells, allowing for more precise and personalized treatment approaches. The United Kingdom has witnessed notable progress in this area, with several targeted therapies gaining approval and becoming available for patients.

Immunotherapy has revolutionized the landscape of lung cancer treatment in recent years. This innovative approach harnesses the power of the immune system to combat cancer cells. Immune checkpoint inhibitors, such as pembrolizumab and nivolumab, have demonstrated remarkable efficacy in lung cancer patients, particularly those with advanced or metastatic disease. The availability and utilization of immunotherapies in the United Kingdom have significantly improved treatment options and outcomes for patients, thus augmenting the growth of the United Kingdom Lung Cancer Therapeutics Market.

Early detection plays a crucial role in improving lung cancer survival rates. The United Kingdom has implemented various screening programs and initiatives aimed at identifying lung cancer at earlier stages when it is more treatable. The National Health Service (NHS) provides low-dose computed tomography (CT) scans for high-risk individuals, such as long-term smokers, to facilitate early detection and timely intervention.

According to the Office for National Statistics, the cost of healthcare in the UK was estimated to be around USD350.83 billion in 2022, a rise in nominal terms of 0.7% over 2021.

Changing Lifestyle will spur the demand for Lung Cancer Therapeutics

The United Kingdom is grappling with a significant burden of lung cancer, a devastating disease that claims numerous lives each year. According to the International Agency for Research on Cancer, 51,983 new cases of lung cancer were reported in the United Kingdom in 2020, accounting for 11.8% of the total new cancer cases, which is 457,960. While multiple factors contribute to the development of lung cancer, the prevalence of an unhealthy lifestyle stands out as a major driver. Tobacco smoking remains the primary cause of lung cancer. Despite significant anti-smoking efforts, smoking rates in the UK remain a concern. Although there has been a decline in smoking prevalence over the years, a considerable number of individuals continue to smoke, increasing their susceptibility to developing lung cancer. The addiction to tobacco necessitates the need

for effective lung cancer therapeutics to combat the disease, which is expected to propel the growth of the United Kingdom Lung Cancer Therapeutics Market.

Unhealthy eating habits and obesity also play a role in the development of lung cancer. Consuming a diet lacking in fruits and vegetables, high in processed foods, and rich in unhealthy fats can lead to chronic inflammation, compromised immune function, and increased cancer risk. The UK's high rates of obesity further exacerbate the problem, as excess body weight is associated with an elevated risk of lung cancer. The link between diet, obesity, and lung cancer underscores the need for therapeutics to manage and treat the disease. According to NHS Digital, 25.9% of adults in England are obese, and a further 37.9% are overweight but not obese. Obesity is usually defined as having a body mass index (BMI) of 30 or above.

While lifestyle choices play a significant role in lung cancer development, environmental factors cannot be overlooked. Exposure to secondhand smoke, air pollution, occupational hazards, and radon gas can all contribute to an increased risk of lung cancer. Efforts to minimize these environmental risks are essential, but lung cancer therapeutics continue to be in demand due to the lingering effects of past exposures and the complexities of treatment, leading to the expansion of the United Kingdom Lung Cancer Therapeutics Market.

Expanding Advanced Radiation Techniques Revolutionize the United Kingdom Lung Cancer Therapeutics Market

Lung cancer remains a significant health challenge, accounting for a substantial number of cancer-related deaths globally. In the United Kingdom, the battle against lung cancer has seen remarkable progress, particularly with the advent of advanced radiation techniques. These cutting-edge therapies have revolutionized the field of lung cancer therapeutics, offering new hope and improved outcomes for patients.

Stereotactic Body Radiotherapy, also known as SBRT, has emerged as a game-changer in the treatment of lung cancer. This highly precise radiation therapy delivers focused, high-dose radiation to the tumor while minimizing exposure to healthy surrounding tissues. SBRT is particularly effective for early-stage lung cancer patients who are not suitable candidates for surgery. Its shorter treatment duration, typically completed within a week, makes it an attractive alternative to conventional radiation therapy.

Furthermore, Image-Guided Radiation Therapy (IGRT) has significantly improved the

accuracy of radiation delivery in lung cancer treatment. By utilizing advanced imaging techniques such as CT scans or MRI, IGRT enables precise targeting of tumors, accounting for any positional changes that may occur during treatment. The ability to track tumor movement and adjust radiation delivery accordingly enhances therapeutic efficacy while minimizing damage to healthy lung tissue, leading to the growth of the United Kingdom Lung Cancer Therapeutics Market.

Additionally, Adaptive Radiation Therapy (ART) has transformed the landscape of lung cancer treatment by dynamically adjusting radiation doses based on real-time imaging and patient-specific anatomical changes. Lung tumors can change shape, size, and position over the course of treatment, making ART invaluable in optimizing radiation delivery. By adapting treatment plans to individual patients, ART ensures optimal tumor coverage while minimizing radiation exposure to healthy lung tissue.

The introduction of advanced radiation techniques has had a profound impact on the United Kingdom Lung Cancer Therapeutics Market. These innovative therapies have expanded treatment options, improved patient outcomes, and enhanced the quality of life for lung cancer patients. The reduced treatment duration, enhanced accuracy, and minimized side effects associated with advanced radiation techniques have made them increasingly popular choices among healthcare providers and patients alike. Consequently, the demand for advanced radiation equipment, including linear accelerators, proton therapy machines, and imaging systems, has surged in the United Kingdom, stimulating market growth and attracting investments from both public and private sectors, which is expected to propel the growth of the United Kingdom Lung Cancer Therapeutics Market.

According to the International Trade Administration, the medical technology market in the UK has an annual revenue of about USD30 billion. It has a solid basis made up primarily of small to medium-sized businesses spread out over the nation, with hubs of activity in places like the Southeast of England and the Midlands.

Market Segmentation

United Kingdom Lung Cancer Therapeutics Market is segmented into Cancer Cell Type, Treatment, Region and Competitive Landscape. Based on Cancer Cell Type, the United Kingdom Lung Cancer Therapeutics Market is divided into Non-small Cell Lung Cancer (NSCLC) and Small Cell Lung Cancer (SCLC). Based on Treatment, the market is categorized into Chemotherapy, Radiation Therapy, Immunotherapy, Targeted Therapy and Other Treatments. Based on Region, the United Kingdom Lung Cancer

Therapeutics Market is segmented into Scotland, South-East, London, South-West, East-Anglia, Yorkshire & Humberside, and East Midlands.

Company Profiles

Johnson & Johnson, Boehringer Ingelheim International GmbH., Novartis AG, Amgen Inc, Bayer AG, AstraZeneca, Pfizer Inc., Teva Pharmaceutical Industries Ltd., Merck & Co, GlaxoSmithKline plc are some of the key players of United Kingdom Lung Cancer Therapeutics market.

Report Scope:

In this report, United Kingdom Lung Cancer Therapeutics Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

United Kingdom Lung Cancer Therapeutics Market, By Cancer Cell Type:

Non-small Cell Lung Cancer (NSCLC)

Small Cell Lung Cancer (SCLC)

United Kingdom Lung Cancer Therapeutics Market, By Treatment:

Chemotherapy

Radiation Therapy

Immunotherapy

Targeted Therapy

Other Treatments

United Kingdom Lung Cancer Therapeutics Market, By Region:

Scotland

South-East

London

South-West

East-Anglia

Yorkshire & Humberside

East Midlands

Competitive landscape

Company Profiles: Detailed analysis of the major companies in United Kingdom Lung Cancer Therapeutics market.

Available Customizations:

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).

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