Hospital Cancer Immunotherapy Artificial Intelligence: Markets Reach $49 Billion in 2023

LEXINGTON, Massachusetts (October 17, 2017) – WinterGreen Research announces that it has published a new study Artificial Intelligence for Hospital Cancer Immunotherapy: Market Shares, Strategy, and Forecasts, Worldwide, 2017 to 2023. The 2017 study has 124 pages, 50 tables and figures. Worldwide markets are poised to achieve continuing growth as the artificial intelligence software increases diagnostic excellence, saving lives and lowering care delivery costs.

Hospital Artificial Intelligence for Immunotherapy drives sales of analytics systems.

Automated cancer immunotherapies from IBM Watson are implemented with artificial intelligence that looks at patient samples to detect the genetic characteristics of the cancer and isolate the immune particularities of the patient. Systems are able to take a multi-disciplinary integrated approach to looking at imaging and scans. The analysis of patient records, looking for effectiveness of particular treatments is more work than a human can do, the quantity of data is too high, so the artificial intelligence is being used to do that.

Personalized medicine is driving this market opportunity.

Systems are making a significant difference in saving lives.

Memorial Sloan Kettering physician-scientists are among leaders in the field developing groundbreaking immune therapies that are helping to treat several forms of advanced cancer that were previously untreatable. These scientists have played a lead role in developing and testing the immunotherapy drugs known as checkpoint inhibitors that "release the brakes" on the immune system.

Hospital care management can leverage artificial intelligence. Artificial intelligence is useful for providing highly tailored insights about individual patients for the purpose of personalizing immunotherapy care delivery. Artificial intelligence is useful for helping providers effectively address healthcare delivery because it details genetic specificity regarding individual patients.

The intersection of healthcare and artificial intelligence represents a market opportunity. New strategies are being developed by companies to bring A.I. to healthcare. The business challenges around those efforts are being addressed collectively in partnerships and in forums to bring the technology into the market. Artificial intelligence has an impact on patients, doctors, hospitals, clinical facilities, and the healthcare industry overall.

The ability of an intelligent system to learn from data without upfront human intervention brings significant change to the healthcare delivery system. It relies on the use of unsupervised and semi-supervised machine learning techniques. Segmentation, dimensionality reduction, anomaly detection and pattern recognition are replacing supervised manual techniques for diagnosis and care delivery.

According to Susan Eustis, lead author of the team that wrote the study, "Immunotherapy at Memorial Sloan Kettering (MSK) has been making enormous progress in the treatment of cancer. At Memorial Sloan Kettering, immunotherapy is one of the most promising ways to treat, cure, and ultimately prevent cancer. Immunotherapy at MSK has evolved new immune-based treatments for cancer. Researchers have been at the epicenter of new discoveries in the field, and their work is bringing exciting new treatment options to people with cancer."

Artificial Intelligence for Hospital Cancer Immunotherapy Market Forecasts

Cancer immunotherapy hospital artificial intelligence market system shipments at $7.4 billion in 2023 are forecast to reach $49.4 billion dollars, worldwide by 2023. These artificial intelligence systems represent a very specialized type of care delivery. Steady growth is anticipated because the severely ill patients with advanced cancer disease can be treated successfully with immunotherapy.

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WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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