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ASIA EDITION

China-based WestGene's mRNA therapeutic cancer vaccine receives US FDA approval

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To provide a new treatment option for patients with advanced EB virus-positive solid tumours



WestGene, a China-based biotech company dedicated to mRNA technology, has announced a historic milestone with the US FDA IND approval of its mRNA therapeutic cancer vaccine, WGc-043. This landmark achievement marks the world's first approval of an *Epstein-Barr* (EB) virus-related mRNA therapeutic cancer vaccine.

The US FDA approval of WGc-043 represents a significant advance in cancer treatment, offering new hope to patients with advanced EB virus-related cancers.

EB virus is highly correlated with more than ten malignancies, including nasopharyngeal carcinoma (NPC), natural killer T-cell lymphoma (NKTL), gastric cancer, lung cancer, liver cancer, esophageal cancer, breast cancer, cervical cancer, and autoimmune diseases such as multiple sclerosis and systemic lupus erythematosus.

WGc-043 shows promising efficacy, low toxicity, broad applicability, efficient scalability, and cost effectiveness. WGc-043 has already completed investigator-initiated trials (IIT) in NPC and NKTL, demonstrating superior safety and efficacy compared to other publicly available mRNA therapeutic cancer vaccines. Once successfully launched, WGc-043 will provide a new treatment option for patients with advanced EB virus-positive solid tumours and hematologic malignancies.