

課程主題：Chimeric Antigen Receptor T Cell Therapy

課程講師：內科部 輸血醫學科 簡聖軒醫師

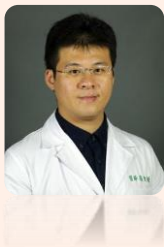
開場主持人：尹彙文主任

課程時間：111/1/11(二) 12:10-13:00

課程摘要：

Chimeric antigen receptor T (CAR-T) cell therapy is a novel therapy for cancer treatments. T cells are isolated by leukapheresis, and then the gene for a certain receptor that binds to specific protein on tumor cell is intergraded into T cells. This T cell with special receptor resulted for gene manipulated are so-called CAR-T. Depending on the integrating gene construct, CAR-T could specifically aim to tumor cells, activate by cancer antigen, and attack the tumor cells with associated antigens. Targeting on CD19, CAR-T therapy had been proven an effective treatment for relapse or refractory acute B lymphoblastic leukemia as well as non-Hodgkin lymphoma. Furthermore, recently clinical trial showed CAR-T targeting on BCMA is effective for relapse multiple myeloma. More specific targeting CAR-T is developing and clinical trials are under investigating.

Although CAR-T therapy is effective for relapse or refractories hematological malignant disease, side effects, such as cytokine releasing syndrome (CRS) and immune effector cell-Associated Neurotoxicity Syndrome (ICANS) should be carefully monitored and managed. IL-6 is consider an important role in CRS development and tocilizumab is applied for management of CRS. To care patients receiving CAR-T therapy is complicated, and team work-up is essential.



## CiC 1月創新線上課程

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EDU報名網址：<https://edu3.vghtpe.gov.tw/edu/CourseOne?crid=234909>

歡迎各位同仁多多參與報名，本活動含認證時數1小時