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Cancer Immunotherapy: T cell gainst cancer

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Abstract

The T lymphocyte, especially its capacity for antigen-directed cytotoxicity, has become a central focus for engaging the immune system in the fight against cancer. Basic science discoveries elucidating the molecular and cellular biology of the T cell have led to new strategies in this fight, including checkpoint blockade, adoptive cellular therapy and cancer vaccinology. This area of immunological research has been highly active for the past 50 years and is now enjoying unprecedented bench-to-bedside clinical success. Here, we provide a comprehensive historical and biological perspective regarding the advent and clinical implementation of cancer immunotherapeutics, with an emphasis on the fundamental importance of T lymphocyte regulation. We highlight clinical trials that demonstrate therapeutic efficacy and toxicities associated with each class of drug. Finally, we summarize emerging therapies and emphasize the yet to be elucidated questions and future promise within the field of cancer immunotherapy.

Biography

Daniela Capdepon Graduate from the University of F. Medical Barceló in 2001 with honors and the highest academic average. She is a Residency in Internal Medicine at the Campana, Zarate Municipal hospitals, Fundaleu, and COBA oriented Graduate Clinical Oncology 2002 – 2004. Daniela Capdepon has been working as a Medical physician for the last 20 years. Daniela Capdepon has been working as a Consultant Medical Oncologist for the last 15 years.

Daniela Capdepon is very interested in the new advances in Oncology and everything related to my specialty and immunotherapy, As well as teaching. Daniela Capdepon would like to work in a University Hospital, where you can work and represent in the Congresses and Committees, the different jobs that are carried out and developed in the hospital.