



IST

(Immune Support Therapy)

Cancer immunotherapy has come at the right time, for decades cancer researchers have been interested in Immunologic treatments against cancer but with little progress. The lack of effective treatment modalities for many inoperable solid malignancies led to the search of new therapeutic options such as adaptive immunotherapy. Immune Support Therapy, IST, is a promising immunotherapeutic approach for the treatment of cancer and is a modality for the treatment of cancer.

Highly specialized subtype of white blood cells called Dendritic cells that form part of the immune system and exist in all lymphoid and most non-lymphoid tissues. They are present in every person's tissues, mainly the skin and the inner lining of the nose, lungs, stomach and intestines. Their function is to identify a foreign substance, including cancer cells, and process the bits of such foreign substances to jumpstart the immune response by bringing the foreign substance to the attention of the rest of the immune system. Once activated, they migrate to the lymphoid tissues where they interact with T-cells and B-cells to initiate and shape the adaptive immune response.

IST is a process that involves the harvesting of peripheral blood from the patient's own blood. The cells are then cultured in the specialized laboratory and matured

into Dendritic cells by exposing them to the patient's own inactivated tumor cells or with certain tumor specific proteins.

Matured cells are infused through IV to the patient to boost and fortify the immune system of the patient. It provides a necessary stimulus that the body requires to fight back the cancer.