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PSA RNA-Pulsed Dendritic Cell Vaccine

National Cancer Institute

Source

National Cancer Institute. *PSA RNA-Pulsed Dendritic Cell Vaccine*. NCI Thesaurus. Code C2236.

An autologous dendritic cell vaccine with potential immunostimulatory activity. Dendritic cells harvested from a prostate cancer patient are transfected with the mRNA encoding for prostate specific antigen (PSA), a tumor marker secreted by prostatic epithelial and ductal cells. When reintroduced back to the patient, these PSA RNA pulsed autologous dendritic cells may elicit a cytotoxic T-cell (CTL) response against PSA-positive prostate cancer cells.