

Immune profile of HIV positive patients with anal neoplasm intraepithelial

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Worldwide anal cancer in HIV-positive patients has reached alarming levels in the post-HAART age. Changes in the immune response induced by tumor factors have been charged in the genesis of the disease, as no differentiation and changes of maturation capacity of dendritic cells and secretion of cytokines that induce T regulatory responses to the responses of cytotoxic T instead, allowing the escape of tumor. More insight into the behavior of cytokines and dendritic cells in HIV-positive patients with severe NIA is essential to better understand this disease. In the PBMC of patients with severe AIN we observe a decrease in the number of plasmacytoid DC and increased CD1a+ immature DC (p: 0.0118). There was also a simultaneous increase in cytoplasmic production of IFN-gamma (p: 0.0172) and IL-10 (p: 0.4240) in CD4+Tcells associated with decreased by cytoplasmic IFN-gamma DC CD1a + (p: 0.0427). In the anal mucosa of patients with severe NIA, no significant change in the cell population studied. In this environment, TNF- α was the only cytokine predictive of severe NIA (p: 0.014). This study revealed in first hand, the patients with severe NIA decrease in cytoplasmic production of IFN- γ by in CD1a+DC PBMC. Together, our data showed that the high DC CD1a +, IL-10 and IL-6 in peripheral blood and elevation of TNF- α tissue reflect a set of changes consistent with the induction of regulatory response, caused by HIV- AIN associated, in a incipient stage tumor. Another conclusion that this study was allowed is that aids+/AR+/NIA+, in regular use of HAART, had systemic immune status and tissue similar to those observed in control subjects

Biography

Adriana Gonçalves Dumas Pinheiro Guimarães, has 43 years old, completed the master's degree in 2007 from the Federal University of Amazonas and his Ph.D. at the State University of Amazonas (Foundation for Tropical Medicine Dr Heitor Vieira Dourado) in 2011. She is research leader in the field of risk factors for anal cancer in HIV positive and assistant Professor of I Surgical Clinic from Federal University of Amazonas- Brazil.

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