

A Study of Anticancer Drug Treatment on Satellite Associations in Oral Squamous Cell Carcinoma

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ABSTRACT Oral squamous cell carcinoma is one of the most prevalent diseases worldwide. Satellite associations are known to play an important role in the pathogenesis of certain diseases including cancer. The present work aimed to study the frequency of satellite association in human peripheral blood lymphocyte culture of freshly diagnosed oral squamous cell carcinoma patients. In vitro anticancer drugs (5-Fluorouracil {5-FU } and Cisplatin) were studied for the frequency of satellite association. Results showed significant impact of chemotherapeutic agents on the frequency of satellite associations of different groups of acrocentric chromosomes.