Abstract

Electrochemotherapy (ECT) is an emerging a topical ablative treatment with elevated cytotoxic activity and antivascular effects. Electrochemotherapy is an effective local ablative technique that consists of the use of intratumoral or systemic administration of chemotherapeutics (cisplatin or bleomycin) in combination with electroporation. Currently, electrochemotherapy is recognized as an effective treatment for tumors of different histological types and also for some deep-seated tumors. In mucosal cancer of the head and neck, experience with electrochemotherapy is limited, primarily due to the anatomical complexity of the region and the poor accessibility of tumors. Nevertheless ECT may be an interesting treatment option in selected patients with Head and neck cancer who are not amenable to standard local treatment. Advantages of this therapy includes application on an outpatient basis with a favorable cost-benefit ratio and it is a repeatable treatment that, if necessary, can be followed by traditional antineoplastic therapies. Electrochemotherapy is an effective and safe treatment for mucosal cancer of the head and neck as well.