

Treatment of Drug-Induced Oral Ulceration with Hyaluronic Acid Gel: A Case Report

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Abstract : Oral ulcerations can be seen as a side effect of different drugs. These ulcers usually appear within a few weeks following drug treatment. In most of cases, these ulcers resist to conventional treatments, such as anesthetics, antiseptics, anti-inflammatory agents, cauterization, topical tetracycline and corticosteroid treatment. The diagnosis is usually difficult, especially in patients receiving multiple drug therapies. Hyaluronan or hyaluronic acid (HA) is a biomaterial that has been introduced as an alternative approach to enhance wound healing and also used for oral ulcer treatment. The aim of this report is to present the treatment of drug-induced oral ulceration on maxillary mucosa with HA gel. 60-year-old male patient was referred to Department of Oral and Maxillofacial Surgery complaining of oral ulcerations during few weeks. He had received chemotherapy and radiotherapy in 2014 with the diagnosis of nasopharyngeal carcinoma, and he has accompanying systemic diseases such as; cardiological, neurological diseases and gout. He is medicated with Escitalopram (Ciprallex® 20mg), Quetiapine (Seroquel® 100mg), Mirtazapine (Zestat® 15mg), Acetylsalicylic acid (Coraspin® 100mg), Ramipril-hydrochlorothiazide (Delix® 2.5mg), Theophylline anhydrous (Teokap Sr® 200mg), Colchicine (Colchicum Dispert® 0.5mg), Spironolactone (Aldactone® 100mg), Levothyroxine sodium (Levotiron® 50mg). He had painful oral ulceration on the right side of maxillary mucosa. The diagnosis was 'drug-induced oral ulceration' and HA oral gel (Aftamed® Oral gel) was prescribed 3 times a day for 2 weeks. Complete healing was achieved within 3 weeks without any side effect and discomfort. We suggest that HA oral gel is a potentially useful local drug which can be an alternative for management of drug-induced oral ulcerations.

Keywords : drug-induced, hyaluronic acid, oral ulceration, maxillary mucosa

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