

## A Comparative Study between Lidocaine and Methyl Salicylate Patches in Treatment of Myofascial Pain

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**Objectives:** The aim of this study was to compare lidocaine versus methyl salicylate patches in treatment of myofascial pain.

**Materials and Methods:** thirty patients suffered from myofascial pain in head and neck muscles were divided randomly into three groups: Group one (10 patients): was treated with methyl salicylate patch. Group two (10 patients): was treated through lidocaine patch. Group three (10 patients): was acted as a controlled group through the application of plain patches without any active ingredient. Each patient has received one patch that had replaced by the patient every 12 hours; the patient informed to remove the last patch 12 hours before the visit on day five. All evaluations (pain intensity, degree of mouth opening, range of motion, disability) repeated on day five (12 hours after removal of the last patch) and on day nine (after four days of follow up).

**Results:** Significant reduction in pain intensity, significant increase in mouth opening and lateral movement and significant improvement in quality of life with methyl salicylate and lidocaine patches.

**Conclusions:** Methyl salicylate and Lidocaine patches are effective in treatment of Myofascial pain.

**Keywords:** Myofascial Pain, Methyl Salicylate Patches, Lidocaine Patches

### Biography:

Professor Amr Ali El-Swify completed oral & maxillofacial surgery in Suez Canal University and he graduated at Cairo University where he got his PhD. He became the chair of the department of oral & maxillofacial surgery at faculty of dentistry in Suez Canal University from 2004 till 2009 then the chair of oral & maxillofacial department at Sinai University from 2010 to 2015. In 2015, he visited Taif University, KSA as a visitor-professor till 2017. He supervised 14 Master & doctorate thesis's in addition to, participating in 29 Master & PhD thesis's as a member of the referee committee.