Pharmacotherapy in orthodontic treatment supported by micro-implants

Joanna Antoszewska, Janina Szeląg

Department of Dento-Facial Orthopedics and Orthodontics, Wrocław Medical University, Krakowska 26, PL 50-425 Wrocław, Poland

Correspondence: Joanna Antoszewska, e-mail: joanna.antoszewska@stomatologia.com

Abstract:
In modern orthodontics, micro-implants are essential for anchorage reinforcement, crucial for treatment time shortening and elimination of undesired side-effects. Nonetheless, placement of a micro-screw involves unavoidable tissue discontinuity, therefore, the aim of work was an attempt to establish rules of pharmacotherapy in micro-implantation. Neither pain nor inflammation developed after screwing 90 micro-implants in, thus, efficiency of infiltration anesthesia with typical analgesics was confirmed; there was also no need to administer non-steroidal anti-inflammatory medicines with analgesic/anti-inflammatory activity. Concluding, micro-implantation is an intervention of low invasiveness, requiring no special pharmacotherapy, although it may be demanded in certain individual cases.

Key words:
pharmacotherapy, orthodontics, micro-implants