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Indication for using Micro implants in hardest cases

As we live now in the era of advanced technologies, prosthodontists have opportunities to perform right prosthetic treatment, use more implants and at the same time preserve more teeth, correct masticatory functions and TMJ problems, and improve the smile without surgery in a lot of cases. The goal of our study was to develop methods of orthodontic treatment of patients with problems in the TMJ area, as well as leveling of the occlusal plane in partially edentulous patients with missing posterior teeth. The lack of tooth support limits of orthodontic treatment occlusal plane for the further successful prosthetic rehabilitation, it is therefore necessary to find innovational approaches of treatment without active patient compliance with treatment regimens. Several cases were referred by the other orthodontists for finding solutions after few years' orthodontic treatments. Other patients were referred by the prosthodontists for potential preservation of misplaced teeth and correction of occlusal plane for further prosthetic treatment. In some cases, it was not possible to use bracket systems without additional support. Introduction of Microimplants in the practice of an orthodontist and knowledge of biomechanics of movements helped to solve these problems. As a result, the use of Micro implants as a skeletal anchorage and partner relationship with osteopathy's support and using muscles manual testing of posture the clinician can obtain results similar to surgery, but without it, and with lower risks and cost, especially in cases with TMJ problems. Moreover, using Micro implants as a skeletal anchorage instead, of missing posterior teeth let us to correct the horizontal occlusal plane, to align some teeth resulted in correction of the vertical and transverse occlusal plane. However, using of Micro implants for intrusion of the teeth has limited indications. It depends of our goals in cases of alignment of the orbital and occlusal planes in space of the skull under muscles manual testing of posture.

Biography

Dr. Maria Vasilyeva PhD, Orthodontist, Assist. of prof. of Department of pediatric dentistry and orthodontia from Peoples' Friendship University of Russia Moscow, Russia, Education 1996 DDS -MoscowMedical Stomatological Institute1998 MD – Department of Orthodontics of MoscowMedical Stomatological Institute 2013 PhD – Department of Pediatric dentistry and Orthodontia of Peoples' Friendship University of Russia. She is a Absoanchor Certified speaker, 3M speaker and Adenta speaker.

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