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NGF-Trigeminal electrophysiology in complex orthodontic treatments

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In some cases, the patients who suffer temporomandibular joint or orofacial pain complains experience an improvement following the orthodontic treatment, while in other circumstances at the end the treatment the patient develops an occlusal dysfunction, which may be aggravated by dislocations of the meniscus and muscle pain. The Neuro Gnathological Functional technology (NGF) now makes it possible for us to monitor the progress of the orthodontic treatment and identify any irritative spine introduced in the system.

For instance, in the cases for which an occlusal vertical increasing is required, the symmetry of the jaw reflexes is of major importance, since the unlikely event of occlusal asymmetry could deteriorate causing a more pronounced malocclusion at the end of the treatment.

In all other cases of dental crowding, even without modifications in the vertical dimension, the trigeminal electrophysiological reflexes should be monitored so as not to lose the occlusal centricity and change the neuromuscular bio-mechanics laws.

This result would give added value target for the efficiency of orthodontic treatment and patient safety. Complex clinical cases will be discussed, for which the functional neuro gnathological support has been decisive in the achievement of the set target.

Biography

Degree in Orthodontics and Prosthetic Dentistry obtained at the Polytechnic University of Ancona on 22/10/2003, with a thesis on "Trigeminal electrophysiology in patients with Orofacial pain and Temporomandibular disorders" and he published correlated articles on reputed International journals. For this reason, he has joined to the NGF research field in order to transfer the trigeminal electrophysiological technologies into the orthodontic treatments, adding scientific and professional value to the discipline.

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