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HOLISTIC APPROACH OF CRANIO-MANDIBULAR SYSTEM

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Neuromuscular equilibrium and optimal-stable cranio-sacral alignment is the absolute goal of the TMDs treatment. The holistic principle of homeostasis goes beyond basic occlusal understanding and mandibular spatial positioning. To support cranio-mandibular system function, compensatory muscle activity takes place within the entire body which is an integral part of dynamic orchestra of the movement. In an attempt to resolve the underlying occlusal problems of TMD, this compensatory muscle activity may result in serious symptoms due to the cranio-sacral importance of motion in maxillary and palatine sutures. A number of intrinsic physiologic processes act upon the masticatory system and collectively determine its parameters of function. These physiologic determinants include cardiovascular, endocrine, immunologic, metabolic and neural (both peripheral and CNS) influences. Several neurological and orthopaedic disorders have been discovered and ultimately resolved by treating local pathogenetic factors. Improper physical forces result in heightened afferent trigeminal nerve activity and input to the central nervous system. Under such circumstances, jaw and tooth mobility play an important role in postural organization or, conversely, postural disorganization.

Biography

Silvana Beraj is Deputy Editor of IJSS Case Reports & Reviews. She is a Lecturer of Physiology in Faculty of Technical Medical Sciences Tirana, Albania and Fixed Prosthodontics at Fixed Prosthodontics Department, Faculty of Dentistry Sinai University. Also, she is a Collaborator in the preparation of Teaching Curricles of Dental Assistant in the Department of Medicine, Faculty of Professional Studies, Alexander Moses University. Also, she is a Lecturer on the field of Dental Occlusion and Fixed Prosthodontics at the Faculty of Dentistry, Krystal University. She has more than 55 publication and presentations to her credit.

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