

29TH ANNUAL AMERICAN DENTISTRY CONGRESS

March 22-23, 2018 | New York, USA

Conception of human body biomechanical balance, metacognitive diversity, interdisciplinary approach

Tamari Matsaberidze, Moreno Conte, Valerio Quatrano and Viviana Bibilashvili
Tbilisi State Medical University, Georgia

In recent years a portion of the scientific literature and clinical trials from all over the world have shown an anatomical-functional and pathophysiological connection between craniomandibular and craniocervical dysfunction, connecting various zones of the organism in a single tonic-postural system. This research is based on biomechanical concept theory, Molar Lever conception and Domino effect reaction in organism. According to this theory, when dental support is not adequate the skull tends to collapse. Thus the top cervical vertebrae get miss-aligned and the skull tilts and moves away from a symmetrical and balanced position on top of the shoulders. When postural collapse affects, strains, compresses and twists the brain stem, the body reacts with neurological symptoms. They are automatic unconscious reflexes that do not make it past the brain stem to the conscious brain so called dystonia involuntary asymmetric muscle contractions. This study shows new vision in the treatment of cervical dystonia, as a bio-mechanical approach. Research is based on clinical cases using starecta method, modified dental splint –The rectifier to solve a postural problem. Each case is individual and needs several diagnostic methods (postural platform, stabilometric Platforms, x-rays, MRI scan and Face photos) according to the diagnoses. Statistics is based on multi analysis and effectiveness of this conception. You can solve a postural problem only if you know precisely how the bio-mechanism works and therefore the exact relationship between teeth, occlusion and posture.

Biography

Tamari Matsaberidze is graduated from Tbilisi State Medical University and postgraduate educational program in Tbilisi, Georgia. She has DMD in conservative dentistry in children and adults. She attended lots of dental international conferences and also is twice a winner of Radix Youth International Dental Forum (TIDC 2016, 2017 Tbilisi, Georgia). She also attended Greater New York Dental Meeting (Poster Session November 2017 New York, USA). She has three publications in local medical journals: "Dentistry Today and Family Doctor". She became a Member of Radix Research Center since April, 2017.

tamarmatsaberidze22@gmail.com

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