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### Inter-relation between the cranio-facial system, the tonic-postural system and body posture

The negative interference of the stomatognathic system on body posture is well known. Static posture regulation is given by the Tonic Postural System: a closed cybernetic system that regulates basic muscle tone, through its receptors (proprioception), in charge of the neuromuscular balance necessary for the body's harmony. The main receptors of this system are: Oculomotor system, foot support and vestibule. Their main function is that of transferring environmental information surrounding the body, information that the nervous system then elaborates a response to. Unfortunately our central computer (Central Nervous System) has no way of knowing if the information is correct or not. The C.N.S. merely reacts to any information, however when this information is incorrect these reactions lead to chronic illnesses. The stomatognathic system can be out of sync when the jaw position is incorrect, generally due to dental malocclusion. In such situation, the oculomotor system is the main one to be affected (one of the body's main receptors), along with the vestibular system, in charge of balance, and the cervical spine, creating postural problems. It is for this very reason that the stomatognathic system is considered a postural disturber; the M.P.R. (Myofunctional Postural Rehabilitation) takes these phenomenon into account, and has made it the foundation in the development of B.E.D. (Body Equilibrium Device) that allows to cancel the negative effect of the masticatory system.

### Biography

Silverio Di Rocca has completed his Graduation in Dentistry, Post-graduate degree in Functional Orthopaedics both from the University of Buenos Aires, Argentina. He has also done a degree in Dentistry and Prosthetic at the University of Turin, Italy and a Doctorate in Dentistry and Prosthetic at University of Turin, Italy. He is the Director of the M P R International School, Vice President International representative and Founder of API Swiss (International Association of Posturology Switzerland). He is also a Professor in Amocoac Diplomate in Mexico and COMEI, College of Dentistry in Mexico, Associate Professor in I.C.O.M (International College of Osteopathic Medicine) Milan, Italy and an International Honorary member of AMOCOAC.

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