



4th INTERNATIONAL CONFERENCE ON OTORHINOLARYNGOLOGY

November 25-26, 2024 | Bangkok, Thailand

TITLE: Health frontiers crossed by temporomandibular dysfunction and orofacial pain.

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ABSTRACT

Our research with low-power laser therapy investigates new technologies that can help in the process of controlling the signs and symptoms of people with Temporomandibular Disorder (TMD) through approaches to control pain and reduce the inflammatory process, increasing joint functionality and improving quality of life of patients. We will present clinical assessments, such as collection of previous/current illness and diagnosis; careful assessment of pain using an analogue scale; assessment of movement of total mouth opening and assessment of the individual's quality of life.

Our results have shown a reduction in pain, an improvement in the movement of the head of the mandible and, in addition, an improvement in the quality of life of the treated groups. We can conclude that integrative and complementary therapies, such as laser combined with US or vacuum, among other conservative therapies, are effective in treating TMD, avoiding surgical approaches to treat this pathology in many cases.

Our current research has shown improvement in patients with the difficult-to-treat symptom of tinnitus.

BIOGRAPHY

Graduated in Dentistry from the Faculty of Dentistry of the Federal University of Rio de Janeiro - Brazil. Specialist in Orthodontics from the Professional Improvement School of the Campineira Association of Dental Surgeons (Campinas – SP; Brazil). Specialist in Orofacial Pain and Temporomandibular Disorder from the Escola Paulista de Medicina da Universidade Federal de São Paulo – SP, Brazil. Guest professor on the Postgraduate course in TMD and Orofacial Pain at Faculdade São Leopoldo Mandic (Campinas-SP and São Paulo-SP, Brazil). Former professor of specialization and improvement courses in Orthodontics at APCD-São Carlos-SP, APCD-São José do Rio Preto-SP and ABENO-NAP - São Paulo-SP, Brazil. Master and PhD in Biotechnology from São Carlos Federal University – Brazil. Post-doctorate in Materials Sciences and Physics at the São Carlos Physics Institute (University of São Paulo, Brazil). He is currently a Researcher at the Biophotonics Laboratory (University of São Paulo, Brazil). Qualified in LASER THERAPY by the Federal Council of Dentistry, Brazil. Member of executive Board Committee World Federation for Laser Dentistry - South American Division (2020-2026). Founding member of the Brazilian Society of Temporomandibular Disorders and Orofacial Pain (SBDOF).



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