Use of growth factors and lasers in the management of high risk hemorrhagic patients and of patients with bone neoplasms after bisphosphonates

Autologous growth factors appear as the new frontier to support all surgical maneuvers to restore the tissues that need regeneration. The use of Concentrated Growth Factors (CGFs) in combination with appropriate surgical techniques is a performing procedure in regenerative and reconstructive therapy. Literature and clinical cases will be presented step-by-step to document the benefits of this approach that provides a quick and easy way to handle oral surgery and implantology. The goal is to use a little invasive technique and at the same time extremely effective for handling both simple and complex cases. The report aims to provide an overview of surgical solutions in implant rehabilitation in compromised sites in terms of space and stability with the techniques of managing jaw and mandibular atrophies. In addition, treatment techniques for high risk haemorrhagic patients and patients with bisphosphonate osteonecrosis will be considered with autologous membrane preparation techniques, autologous fillers, LPRF, CGF and PRP. Particular attention will be given to methods of preparing autologous membranes, membranes for the preservation of the alveolus, techniques for incorporating the growth factors in biomaterials.

Recent Publications


Biography

Francesco Inchingolo completed his MD and specialized in Hygiene and Preventive Medicine (Master in Public Heath); Dental Medicine; Maxillofacial Surgery; Odontostomatoloy; Experimental Medicine at National Council of Research (C.N.R.). He was Researcher and Assistant Professor in Dentistry at School of Medicine, Department of Interdisciplinary Medicine, University of Bari Aldo Moro, Italy. He was Principal Investigator in various research projects founded from University of Bari Aldo Moro. He was Invited Reviewer and Editorial Board Member in International journals. He was the Head of International Master Degree Course in Advanced Oral Surgery and Implant Surgery at University of Bari Aldo Moro, Italy. He was the invited speaker in national and international courses and conferences. He was the winner of Sant Apollonia Award from ANDI (Italian Dental National Association) in 1999 for the best clinical and scientific report in dental sciences. He was the Visiting Professor at City Unity College, Greece - Cyprus (and affiliated institutions) and BPP University London-UK. He was the author of over 66 scientific papers in international indexed journals with impact factor (h-index: 15 and citations: 719), book chapters, one international patent, and author of more than 200 articles in national journals.

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