

25th Euro Congress and Expo on

DENTAL & ORAL HEALTH

October 16-18, 2017 | Budapest, Hungary

The socket-shield technique for ridge preservation at immediate implant placement

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After extraction of the teeth, the alveolar bone goes through the remodeling process, which leads to horizontal and vertical bone loss. These reabsorption processes complicate dental rehabilitation, particularly in connection with implants. Careful management of post-extraction tissues is necessary to preserve the alveolar ridge. Several methods of guided bone regeneration have been described to retain the original bone size after extraction. Most procedures use filling materials and membranes to support the oral plaque and soft tissues, stabilize the clot and prevent epithelial growth. Instead of surgical augmentation to correct a defect peak, the socket-shield technique offers a promising solution. With this method, it will be demonstrated how the crest and the entire buccal bone are clinically preserved and the biological integrity of the buccal periodontium remains untouched. This method has also been described in connection with the immediate placement of the implant and the provisional crown. The immediate postoperative period, as well as the follow-up of one year, will be demonstrated as a functional and aesthetic result of the treatment. The socket-shell technique is a highly promising addition to clinical implant dentistry. We will discuss the possibilities, limitations, and guidelines for future research that we begin at our university.

Biography

Pedro Carvalho Feitosa holds a degree in Dentistry from the University of Santo Amaro (1995) with specializations in Oral and Maxillofacial Surgery and Traumatology, Master's in Implant Dentistry (UNISA), PhD in Implantology (São Leopoldo Mandic), and Biopathology from Universidade Paulista (UNESP), São José dos Campos - Sp. He is currently the Coordinator of the Institute of Dental Research IPEO - São Paulo (FACSETE). He is also the Coordinator for specialization course in Implantology at the University of Pindamonhagaba (FAPI) at GRAAL, São Luís-Ma. He is Professor of Implantology at CEOSP; University of Taubaté; Estácio de Sá campus São José dos Campos (CEDDA). He is the International Coordinator in Implantology at UNINORTE, and Professor of the specialization course in Maxillofacial Surgery and Traumatology of the São Leopoldo Mandic University in Campinas.

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