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Retrospective study of 31 cases of implant-supported complete fixed prosthetic dental restorations with immediate loading

Authors :

V Haulleville¹, J Charbonneau¹, M Fenelon¹, JC Fricain¹, E D'Incau², Y Lauverjat², F Piteu¹, **S Catros**¹



Institutions :

¹ Service de Chirurgie Orale, CHU de Bordeaux, Bordeaux, France

² Service Médecine Bucco-Dentaire, Unité de Réhabilitation Prothétique et Parodontale, CHU de Bordeaux, Bordeaux, France

Abstract :

The immediate loading in dental implantology is defined as the occlusal function of the implants no later than one week after the implant surgery (Galucci et al. 2018). Implant-supported fixed complete rehabilitations are frequently placed following this protocol, because in this particular situation the contention of the implants eliminates the parasitic effects of occlusion and avoids the traumatic effect of a mobile provisional prosthesis. In addition, the rapid improvement in the patient's quality of life is often emphasized. In the literature, high success rates are reported with this technique (95-100%) but the criteria studied vary between studies (Gallardo 2019). The most frequent complications are usually prosthesis-related but biological complications (mucositis and periimplantitis) are currently a constant concern for the teams.

The main objective of this retrospective study was to evaluate the survival rates of implants and supra-implant prostheses in a series of patients.



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Over a 10-year period, we included 29 patients and 31 surgeries with MCI, representing a total of 209 implants and 18 permanent prostheses. The implant survival rate was 94% after one year. The results were analysed according to several criteria (demographics, types and number of implants placed, general condition of the patient, smoking, history of periodontitis...). The observations of this work are consistent with those observed in the literature and have made it possible to highlight avenues for improvement in the organisation and follow-up of patients in the team.