

PPxx - Marginal bone loss around cemented IFPDs: a cohort study.

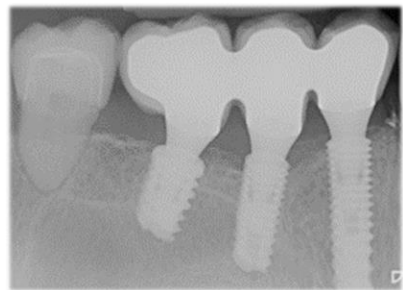
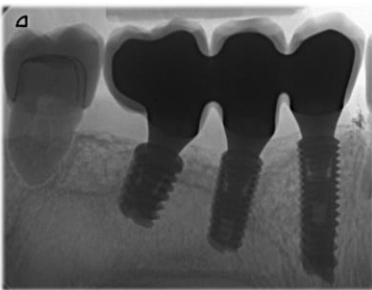
S. Bortolini, A. Bianchi, M. Nanni, **A. ODORICI**,
A. Berzaghi, U. Consolo.

University of Modena and Reggio Emilia, Italy

OBJECTIVES OF INVESTIGATION: The aim of the present study was to assess the peri-implant conditions (bleeding on probing (BOP), pocket probing depth (PPD)) and marginal bone loss (MBL, marginal bone level change between follow-up and occlusal loading) around cement-retained Implant-supported Fixed Partial Dentures (IFPDs) on bone-level implants (EVEN, Mech & Human, Albignasego, Italy).

METHODS USED: The study was a retrospective cohort study with up to 12 years (mean 6.6 years) follow-up. Patients with cemented IFPDs were included. Implant survival, BOP, PPD, MBL, biologic complications (peri-implant mucositis and peri-implantitis) were evaluated.

RESULTS: 16 patients with 43 implants were included. The implant survival rate was 97.67% because one distal implant was lost due to peri-implantitis in a patient with poor oral hygiene conditions. Peri-implant mucositis was a relatively common finding, affecting 16/43 of implants (37.20%). After probing the mesial, buccal, distal and lingual aspects for each implant supporting the restoration, we obtained an average value of 3.82mm for PPD; also, we recorded 37.79% bleeding sites (BOP). Mean MBL was 1.26mm, ranging from 0.48 to 5.35mm.



CONCLUSIONS: High implant survival rate was achieved after a mean observation period of 6.6 years, but mucositis seemed to show up frequently around cemented IFPDs. Further investigations with larger sample size are needed to confirm the low rate of long-term MBL displayed by the present study.