Implant Bridge Rehabilitations: Equator Profile Vs Multi Unit Abutment

S. BORTOLINI, A. BERZAGHI, A. NATALI, M. MARTINOLLI, R. NARDI and U. CONSOLO

S. BORTOLINI, Università di Modena e Reggio Emilia, S. Maria Maddalena (RO), Italy, A. BERZAGHI, Università di Modena e Reggio Emilia, Mantova, Italy, A. NATALI, Università di Modena e Reggio Emilia, Carpi (MO), Italy, M. MARTINOLLI, Università di Modena e Reggio Emilia, Adria, Italy, R. NARDI, Università Alfonso X el Sabio, Bologna, Italy, and U. CONSOLO, Università di Modena e Reggio Emilia, Verona, Italy.

Objectives: The aim of this clinical study was to compare innovative OT Equator Profile (EP) Attachment (Rhein83, Bologna, Italy) with MUA supporting full arch implant rehabilitations. The evaluations regard: patient satisfaction, number of clinical sessions, prosthetic complications, survival rates.

Method: The 15 Participating Patients (7 males, 8 females, mean age 70 ±10 years) with full-arch implant retained by OT EP Attachment (4 males, 4 females) and MUA (3 males, 4 females) participated in this clinical study. From 4 to 8 implants were placed in edentulous arch. Fixed Provisional rehabilitations are loaded immediately. Prosthetic rehabilitation was finalized after 6 weeks. Were compared the overall technical time to realize the final prosthesis with the two methods. Patient’s satisfaction was evaluated with a questionnaire with a VAS from 1 to 5. Survival rates and maintenance procedures or prosthetic complications were also recorded during the follow-up period.

Result: Patient satisfaction was 4.35 ± 0.37 for EP rehabilitations and 4.25 ±0.26 for MUA rehabilitations. The number of technical passages and time of realization with both methods resulted significantly reduced compared to conventional procedures. During a mean observation time of 24 ± 2 months no implant was lost and no peri-implantitis occurred (100% survival rate). Maintenance: No prosthetic complication occurred.

Conclusion: We can conclude that EP and MUA get the same clinical findings in terms of patient satisfaction and prosthetic success; Equator Profile has shown more versatility and ease of use in the management of implant with limited parallel and prosthetic phases.