

## UNIVERSITY OF MODENA AND REGGIO EMILIA **DENTISTRY**

Department of Surgical, Medical, Dental and Morphological Science with interest in Transplant, Oncology and Regenerative Medicine. Doctor of Dental Surgery Program - Dental Materials Chair: Prof. Bortolini Sergio 1050

## Implant Bridge Rehabilitations: Equator Profile Vs Multi Unit Abutment

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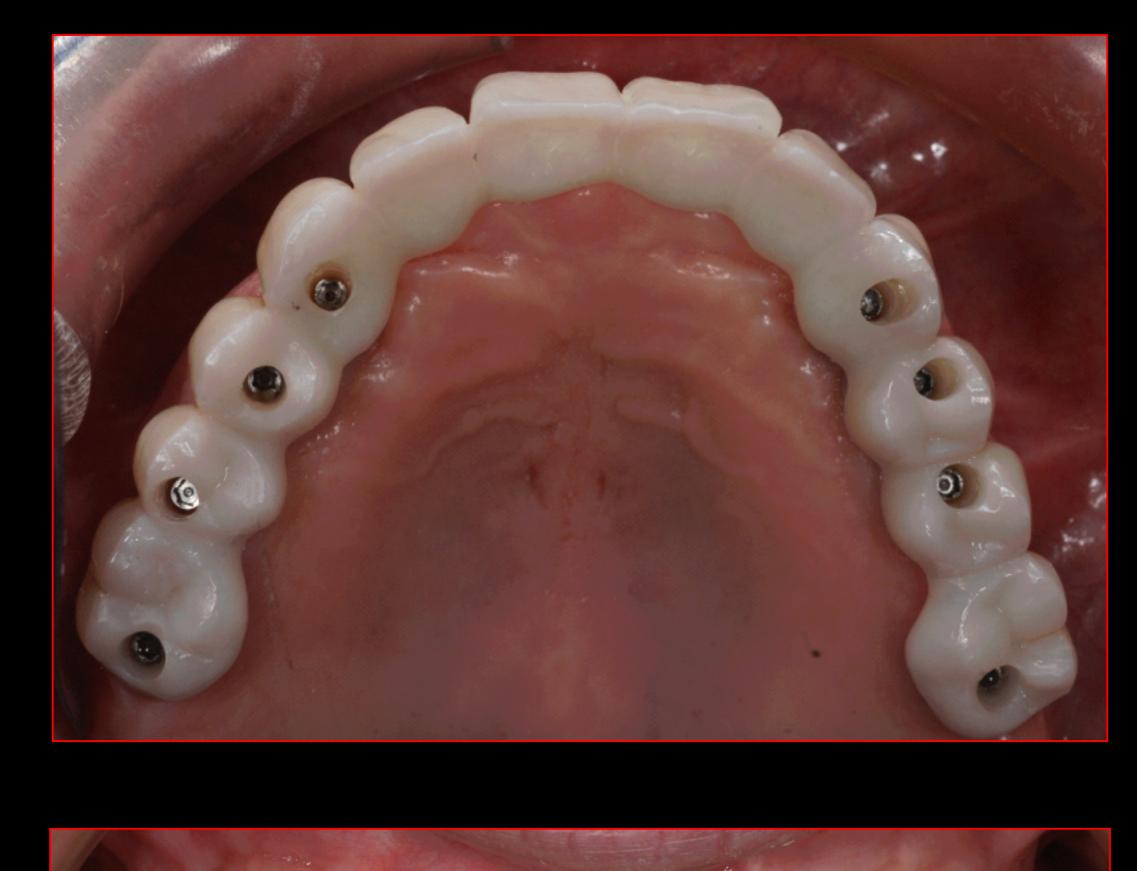
Objective: The aim of this clinical study was to compare innovative OT Equator Profile (EP) Attachment (Rhein83, Bologna, Italy) with MUA supporting full arch implant rehabilitations. The evaluations regard: patient satisfaction, number of clinical sessions, prosthetic complications, survival rates.

Method: The 15 Participating Patients (7 males, 8 females, mean age 70  $\pm 10$ 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 final realized 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  $4.35 \pm 0.37$  for EP reahabilitations and  $4.25 \pm 0.26$ for MUA reahabilitations. 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  $\pm$  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.

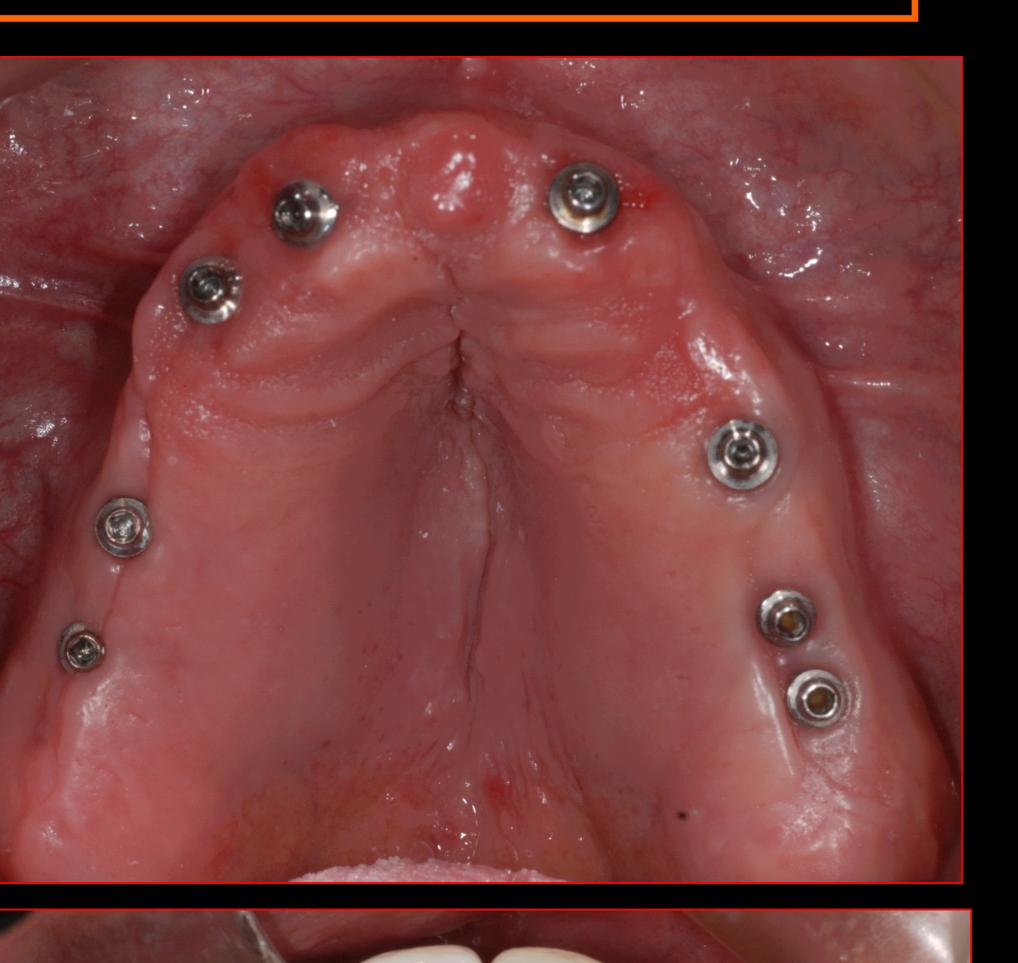


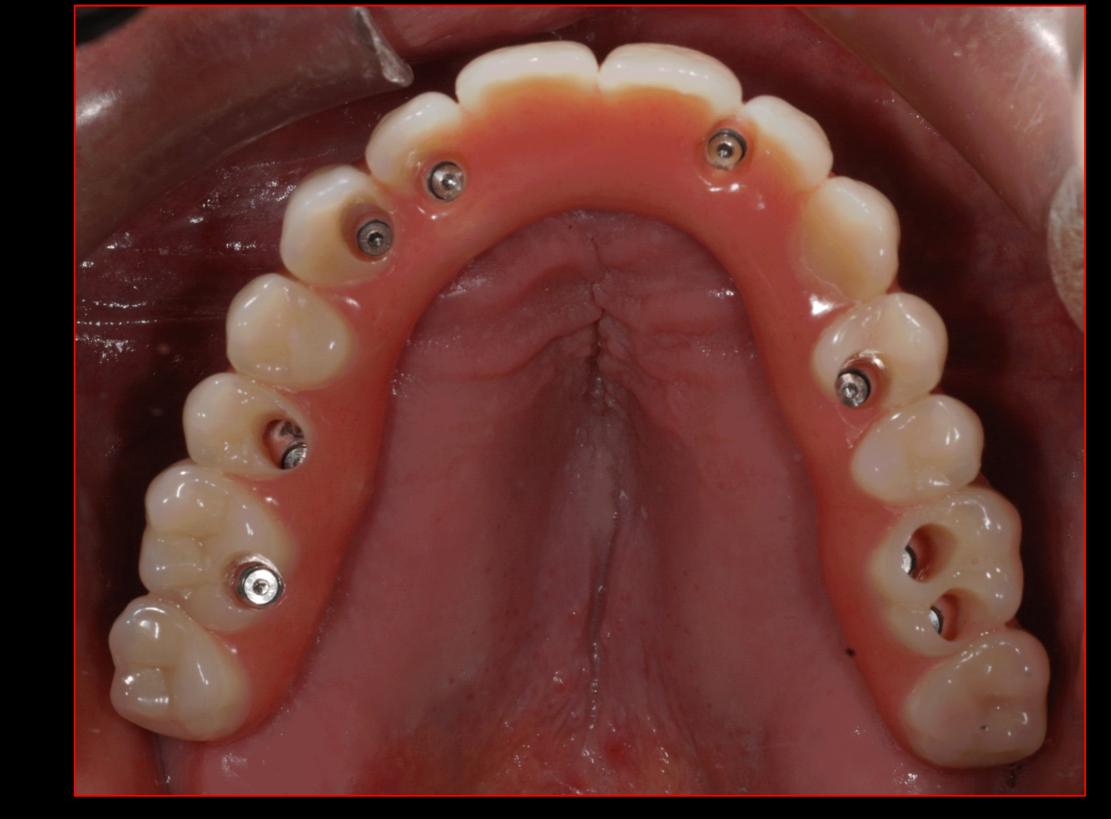






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