



Esthetic Implant Restorations with Combined CARS and GBR – Case Series

Thiago Carvalho Rodrigues*, Surawan Bannawat, Leonor Limão Oliveira, Vatsal Jaipuria, Mary Kang, Paul Yu, Stuart J Froum, Sang-Choon Cho
Ashman Department of Periodontology and Implant Dentistry New York University College of Dentistry

ABSTRACT

Bone augmentation techniques are indicated in cases when the alveolar bone volume is insufficient for adequate implant placement. Bone regeneration in intraosseous defects have significantly higher success rates than those in extraosseous defects. The recently introduced Custom Alveolar Ridge Splitting (CARS) technique was designed to convert an extraosseous defect into an intraosseous one. The Guided Bone Regeneration can be combined with CARS to enhance esthetics in the anterior maxillary

area. The CARS procedure allows the implant surface to be surrounded by autogenous bone. The GBR technique maintains the graft volume and the buccal contour for a better esthetic outcome. The purpose of this presentation is to demonstrate the step-by-step of a surgical procedure combining the CARS and GBR techniques for predictable implant placement and esthetic restorations in the anterior maxilla.

PURPOSE/AIM

The purpose of this retrospective case series is to demonstrate the step-by-step of a surgical procedure combining the CARS and GBR techniques for predictable implant placement and esthetic restorations in the anterior maxilla.

RESULTS

All implants were successful and all patients are happy esthetically and functionally. Follow-up period is 6-48 months.

M & M

Eight implants from a total of 5 patients were done with a surgical procedure combining the CARS and GBR techniques. Follow-up period is 6-48 months

CONCLUSIONS

A surgical procedure combining the CARS and GBR techniques is a viable treatment option for anterior esthetic area implant treatment. Additional follow-up and long-term evaluation are needed.

Pt No	Implant site	Age	Gender	Filling material	Barrier memb	Loading time
1	9	29	F	Bio-oss small particles	Pericardium	48
2	9	19	M	Bio-oss small particles	Pericardium	26
3	8, 9	51	M	Bio-oss small particles	Pericardium	18
4	8, 9	35	M	Bio-oss small particles	Pericardium	12
5	7, 10	22	M	Bio-oss small particles	Pericardium	6

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Patient #1

