

## **A New Implant Treatment Strategy of the Severely Atrophic Edentulous Mandible with Ridge Augmentation and Modified Periosteal Fenestration (mPF)**

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What is the optimal restoration solution for edentulous mandibular patients with severe alveolar bone resorption? The answer can be straightforward if the patient has no objection to removable prosthesis. In other words, a removable partial denture (RPD) or a complete denture (CD) would be the simplest and most effective treatment method from the operator's perspective in terms of the procedure's simplicity. Implant-assisted RPD or overdenture requires placing a small number of implants but is ultimately only another type of removable prosthesis.

But what about implant-fixed prosthetic full-arch reconstruction for severely atrophied mandibular edentulous patients? Is it predictable compared to removable prosthetics? If so, to what extent can alveolar ridge augmentation be performed? What materials and techniques should be used to obtain predictable ridge augmentation results? Can computer-guided implant surgery be applied in this situation? Finally, is it possible to easily recover the insufficient or lost attachment mucosa due to severe atrophy along with the alveolar bone without a free gingival graft?

Therefore, in this lecture, as an answer to the above questions, I would like to introduce the 'CU protocol', a new fixed implant full-arch restoration strategy for severely atrophied edentulous patients.

### Profile

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