

Advanced Hard and soft Tissue Augmentation in the Aesthetic Zone: The AGE Protocol Cicero. G, Urtula. B, Castano. A, Suzuki. T, Elchaar. E New York University College of Dentistry



# INTRODUCTION

It has become rare to come across simple cases today in Periodontics. Our specialty has come to face complex cases where hard and soft tissue deficiencies are common. We are exposed to complex cases where aesthetics is the major issue. This protocol and schematic approach was developed to help the surgical practitioner visualize and divide the problem into a predictable step-by-step workflow. Every step is dictated by biology. All incision designs, flap management techniques, and biomaterials used have been selected to maximize the blood supply in the area and minimize trauma to the vascular network that nourishes our surgical site. Every action performed during surgery has an immediate and lasting consequence. This protocol aims to optimize results by taking what is known about the anatomy of the surgical site and the biology of wound healing to make purposeful choices in each step of surgery.

# METHODS & MATERIAL











#### RESULTS



### CONCLUSION

Contemporary patient expectations have made aesthetics a major requisite of all treatment plans, especially in situations where there is a high smile line To achieve ideal results, preservation of the natural hard and soft tissue architecture is the primary clinical objective. This new proposed protocol illustrates the importance of hard and soft tissue management when working in esthetic and highly compromised areas and guides the surgical practitioner in visualizing and dividing the problem into a predictable step-by-step workflow in order to achieve the successsful aesthetic outcomes maximizing patients motivation. Proussaefs, P, Lozada J, Kleinman A, Rohrer MD, Mc Millan PJ. The use of titanium in conjunction of autogenous bone and inorganic bovine bone mineral for localized alveolar ridge augmentation: A human study. Int JPRD 2003;23:185-195.

Artzi Z et al. Vertical ridge augmentation using titanium mesh with xenogenic material: Clinicohistopathologic and histochemical study. IJOMI 2003;18:440-446.

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Novel approach for Soft Tissue Closure of Grafted **Extraction Sockets in the Anterior Maxilla** Cicero. G, Suzuki.T, Elchaar.E New York University College of Dentistry

# INTRODUCTION

The consequence of socket collapse and localized ridge resorption following tooth extraction in the anterior maxilla can adversely affect esthetics, function, and future implant placement. Immediate grafting of extraction sockets may help preserve the natural ridge contours; but a lack of available soft tissue can compromise the final esthetic outcome. The proposed modified rotated pedicle palatal connective tissue flap is a valid technique for soft tissue coverage of grafted sockets which improves aesthetic outcome without tampering with the existent gingival scallop.

We presents a technique for achieving primary soft tissue closure of a grafted maxillary extraction site that preserves the natural gingival scallop as well as enhances exiting soft tissue dimensions in the esthetic area.

# METHODS & MATERIAL









### RESULTS



#### CONCLUSION

The rotated palatal connective tissue graft is an elegant and predictable manner to achieve primary closure with soft tissue augmentation over a grafted maxillary anterior extraction site. This technique provides a quick and effective solution in preserving ridge contours and the natural gingival scallop in order to achieve great esthetic results for both delayed implant placement and site development for pontics.

1. Schropp L, Wenzel A, Kostopoulos L, et al. Bone healing and soft tissue contour changes following single-tooth extraction: A clinical and radiographic 12- month prospective study. Int J Periodontics Restorative Dent. 2003;23:313-323. 2. Fugazzotto PA. Treatment options following single-rooted tooth removal: A literature review and proposed hierarchy of treatment selection. J Periodonto/. 2005; 76:821-831. 3. Nevins M, Camelo M. De Paoli S. et al. A study of the fate of the buccal wall of extraction sockets of teeth with prominent roots. Int Periodontics Restorative Dent. 2006;26: 19-29.

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## INTRODUCTION

#### METHODS & MATERIAL







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