

3rd International Conference and Exhibition on **Cosmetology & Trichology**

July 21-23, 2014 Hampton Inn Tropicana, Las Vegas, USA

Beauty in profile: The magic effect of combined rhinoplasty and genioplasty

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Introduction: The chin like the nose is in a prominent position on the face and plays very important role in facial profile. The important relationship between the nose and chin may be underestimated by plastic surgeons and facial plastic surgeons who perform rhinoplasty. In this article, the author presents personal experience on osteoplastic advancement of chin in patients undergoing rhinoplasty.

Methods: 71 patients underwent genioplasty as a complementary procedure to rhinoplasty. Age of patients ranged from 17 to 43. All procedures were performed under general anesthesia with intraoral incision. After exposing the mentum, horizontal osteotomy was performed for chin advancement at the extent which was estimated on preoperative evaluation. The advanced segment was fixed in place with titanium plates or screws.

Results: Patients were followed 6 months to 7 years after operation. Improvement of facial parameters was observed in all patients. No permanent complication occurred. Three had prolonged hypoesthesia up to 3 and 18 months after surgery.

Conclusion: Advancement genioplasty by osteotomy could be performed in patients with chin problems during or after rhinoplasty to make a beautiful profile. Our experience with osteoplasty showed satisfactory results with no important complication.

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