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### The artistic sculpturing of the aesthetic face by rhinogenioplasty

**Objectives:** (1) Know different nose and chin parameters contributing to the facial profile harmony. (2) Detect the specific facial imbalance of the nose and chin in any patient who is seeking correction of facial profile. (3) Apply different surgical techniques for chin advancement with the least complications and best results. 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 ignored by many patients who are seeking rhinoplasty and may be underestimated by facial plastic surgeons who perform rhinoplasty. This is the task of a facial plastic surgeon to mention this relationship and emphasize its importance for the patient. It is estimated that approximately one fifth of patients requesting rhinoplasty have an underdeveloped mandibular symphysis with normal occlusion (Angle, class I) can benefit from chin augmentation. The relationships between the nose and face were formulated by many authors considering the nasofrontal angle, nasolabial angle, nasofacial angle, and nasomental angle as important aesthetic parameters. Each facial component affects the

perception of the balance of the other facial components. An underdeveloped chin with deficient projection will stimulate the image of an over projected nose. For this reason, we evaluated nose-chin proportions and nasal projection before and after genioplasty in rhinoplasty patients. In this presentation different nose and chin parameters contributing to the facial profile harmony will be described. Chin analysis will be discussed according to the most consistent methods. Surgical techniques for osteoplastic chin advancement will be demonstrated. All procedures were performed under general anesthesia with intraoral incision. After exposing the mentum, mental nerves were explored. After markings 5mm below the mental nerves, 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. Genioplasty could be performed in patients with chin problems during, before or after rhinoplasty to make a beautiful profile. Our experience with osteoplasty showed satisfactory results with no significant complication.

#### Biography

Mohsen Naraghi is double-Board Certified Facial Plastic Reconstructive Surgeon. He is the Faculty at TUMS School of Medicine, Division of Facial Plastic Reconstructive Surgery. Also he is the Founder and Medical Director at the Dr. Naraghi Facial Plastic Surgery Clinic and the winner of multiple international awards including three American Academy Awards since 2005. He is an author of Facial Plastic Surgery, awarded as the best academic book of the year in 2007, a Chapter Author of the first ever global reference on Revision Rhinoplasty and an Instructor of numerous courses, hands-on and live surgery workshops throughout the world.

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