Letter to the Editor

Concept of Anatomic Columellar Strut Grafting in Rhinoplasty: An Algorithmic Approach

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Employing a columellar strut in rhinoplasty is a powerful tool to achieve stability of the tip especially when the nose ligaments are dissected or the medial crus (MC) of the lower lateral cartilages are weak. A columellar strut helps to avoid several complications and provides an extra degree of structural integrity on the lower third of the nose.[1,2] Topkara,[3] Robotti,[4] and Rodrich[5] recently described some surgical options for a stable strut. The new columellar strut should be suitable for the natural columellar anatomy. We present our approach to this strut, which addresses the important angles to obtain an aesthetically pleasing result.

Surgical Anatomy

nasal framework in a submembranous fashion was performed. The concept of anatomic columellar strut grafting includes 3 options:

1. Keystone γ columellar strut (Figure 2): after blunt dissection of the medial limbs of the upper lateral cartilages from the septum, the amount of dorsal reduction was calculated; approximately 3 mm of cartilage of the dorsal septum was removed with septal scissors while protecting the cartilage that goes under the bone at the keystone area; the entire upper lateral cartilages were preserved, as autospreader flaps may be needed.
2. Lower septal cartilage γ columellar strut (Figure 3): after the regular septoplasty in subperichondrial plan,