

Autologous Tissue Grafts in Rhinoplasty

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Grafts in rhinoplasty have a wide range of use in different indications. They can be utilized for structural support, augmentation, increasing projection, replacement of over resected structures, smoothing and fine tuning of the dorsum or the tip. Various tissues can be used for those purposes to give the appropriate amount of strength, volume or coverage. We present a series of case reports with the use of autologous tissues in both primary and secondary rhinoplasties performed using both an open and closed approach. The tissues that were used are septal cartilage, conchal cartilage, rib cartilage, temporal fascia, retroauricular soft tissue, bone and fat tissue. Cartilage has been used as full thickness structural grafts, sliced cartilage, diced cartilage or cartilage paste. Fascia and soft tissues have been used as overlay, or as a wrap for diced cartilage. The understanding of the physical properties of each of these tissues and familiarity with the spectrum of use in different indications using different approaches give us the possibility to achieve stabile, aesthetically balanced results without the stigmata of surgery.

Key words: autologous, cartilage, graft, rhinoplasty, augmentation