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Aesthetic nasal dorsal reconstruction using sleeved micro-diced cartilage graft

Background: Aesthetic nasal dorsal reconstruction is associated with difficulty of long-term control of the graft contour and alignment. Fascia-wrapped cartilage has been shown to be histologically superior to Surgicel-wrapped cartilage. The aim of this study was to present a technique involving use of a diced-cartilage graft engulfed in a sleeve of pre-mastoid fascia for aesthetic nasal dorsal reconstruction.

Methods: A retrospective review of 25 patients' medical charts was performed from April 2014 to September 2015. All patients had undergone nasal dorsal reconstruction using a diced-cartilage graft for various aesthetic indications.

Results: The reconstruction technique described herein resulted in good surgical outcomes in all patients. One case of infection occurred, but no patients developed resorption.

Conclusions: Use of diced cartilage with pre-mastoid fascia provides good clinical outcomes of dorsal nasal reconstruction, and avoids morbidity at other sites.

Biography

Jamal Jomah, MD, graduated with Honors from King Faisal University, Saudi Arabia. He pursued specialty training in Canada where he completed his residency training in plastic surgery and sub-specialized in cosmetic surgery, craniofacial rehabilitation and medical education. He is certified by the Royal College of Surgeons of Canada and the Canadian Medical Council. He also obtained an honorary fellowship from the Royal College of Surgeons of Edinburgh. In addition, he is a diplomat of the American Board in Hair Restoration Surgery and a Board Examiner. He is also a fellow of the American College of Surgeons. He holds the title of Consultant Plastic Surgeon in Dubai and also has been newly elected as the General Secretary of the Emirates Plastic Surgery Society.

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