

Simultaneous reconstruction after removal of nasal silicone implants were published as diced cartilage and autologous rib and ear auricular cartilage, and each had their shortcomings. Temporoparietal fascial grafts have been used for facial and nasal contouring, for vascularized tissue coverage, and augmentation the nose, lip. In order to treat nasal implant infection, the temporoparietal fascia graft may be considered for in time replacement of allografts.

From 2006 until 2008, the temporoparietal fascial graft was used in 20 referred patients with nasal allografts in a medical center. The female to male ratio is 17:3. The mean age is around 32.6 years old. All the patients refused disfigurement after removal the implants for at least three months. All the patients were followed up for five years.

All patients recovered within one to two weeks. The nasal skin envelop was preserved or healed. There was neither graft exposure, nor recurred infection. The procedure is a useful method of eliminate inflammatory squeals. Most of all, the temporoparietal fascial graft employed, was able to bridge the 3-month gap for removal of the implant. The smooth nasal dorsum skin was regained with adequate nasal projection.

All patients were followed up in plastic surgery clinics without signs of recurrence.

There are no reports in the English literature of the use of temporoparietal fascial grafts to treat nasal implants infection.

The temporoparietal fascial graft is a simple and reliable method to provide thin, broad, pliable, easy neovascularized, adequate coverage, contour, and bulk on the cartilage dorsum of the nose, as well as an inconspicuous donor site. The tissue is soft in consistency and displays minimal resorption. Most important, more complicated disfiguring procedures such as a free flap may be avoided.

Reference Citations:

Lee K C, Ha S U, Park J M, et al. Foreign body removal and immediate nasal reconstruction with superficial temporal fascia.[J]. Aesthetic Plastic Surgery, 2006, 30(3):351-355.

Akira T, Minekatsu A, Shinsuke I, et al. Immediate reconstruction after removal of nasal prosthesis using diced cartilage wrapped with temporal fascia.[J]. Journal of Craniofacial Surgery, 2014, 25(2):535-538.