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Minimal invasive TANONGSAK technique for reduction malarplasty

Background & Aim: Southeast Asian women prefer oval shape facial contour. To achieve this goal, there are a lot of procedures to reshape the facial skeleton. Reduction malarplasty is a common operation. Although multiple technique have been developed for reduction malarplasty. This study presents a new less invasive TANONGSAK technique for reduction malarplasty.

Methods: Between January 2015 and December 2015, we applied TANONGSAK technique for reduction malarplasty in 38 patients. TANONGSAK technique was performed osteotomy site at zygomatic arch with 12 mm in length preauricular incision and at Zygomatic body with 25 mm in length intraoral incision by a reciprocating saw. Closed reduction was performed to reposition malar bone complex. Internal fixation was not required.

Results: The patients were followed up for 5 to 183 days postoperatively (mean 39 days). 94% of patients (36 patients) had satisfactory aesthetic results. The facial contour reduction was accomplished 0.1-13.79% (mean 2.46%) in size reduction. The operative time in each case was less than 60 minutes. The mean hospital stay was 1.1 day (1-2 day) and patients required recovery period 2-14 days (mean 8.7 days). 2 of patients developed temporary inferior orbital nerve injury. No facial nerve injury and no any other postoperative complications.

Conclusion: Minimal invasive TANONGSAK reduction malarplasty is a preferable technique. This technique provides multiple advantages, including simple manipulation, less invasive, short incision, no internal fixation, good stability, achieved aesthetic results, short operative and recovery time, and less complications.

Biography

Tanongsak Panyawirunroj is the Founder, Chairman and the Principal Surgeon at Asia Cosmetic Hospital, Thailand. He specializes in maxillofacial surgery, breast augmentation, face change from male to female, rhinoplasty, liposuction, sex change from male to female, etc. He has many certifications for various domains such as Micro-Vascular Surgery, Plastic Surgery, Maxilla-Facial Surgery, Aesthetic Surgery and Pediatric Surgery. He has earned the degree of Doctor of Medicine in 1998.

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