Endoscopically assisted malarplasty: An L rotation technique

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Introduction: Endoscopy assisted malar reduction with greenstick fracture is a treatment method for preserving body eminence and improving arch protrusion. However, there were limitations to the application when needing the malar body reduction. For the limitations, we invented a new method using endoscope without intraoral incision, which reduces body protrusion and tried to apply the method for malar reduction.

Methods: We enrolled 261 patients who visited the clinic from January 2013 to December 2014. Their ages are with an average of 31. After a scalp incision, an incomplete osteotomy was done on the most prominent portion of the body of zygoma and then a complete osteotomy on the arch. Osteotomy of body was preceded from frontozygomatic angle until zygomatico maxillary suture line. This section makes a right angle with zygomatico maxillary suture and it form L-Shaped zygomatic body. The segment formed with L-shaped incomplete osteotomy and complete osteotomized arch used an inner cortex of zygomatic body as pivot and we applied inward rotation. (L-rotation Technique)

Results: Among the 261 patients with the L-Rotation technique, 242 patients were given a corticotomy. From those patients, 15 patients underwent a different degree of a zygoma reduction on both sides. Most patients were satisfied with it and there were no specific complications.

Conclusion: Endoscopically assisted malarplasty using ‘an L-rotation technique’ enables an arch and body protrusion to be improved and is able to control the site and numbers for corticotomy based on the zygomatic body protrusion. Surgeons, as well as patients were satisfied by the results.

Biography
Jung Su Lee has completed his MD, PhD from Korea University and Post-doctoral studies from Korea University School of Medicine. He is the President of YounifulVom Plastic Surgery. He has published a paper in Journal of the American Society of Plastic Surgeons and papers in the Korean Society of Aesthetic Plastic Surgery about Mammoplasty, Forehead plasty and Malarplasty. Also, he has participated as a contributor of the US Plastic Surgery textbook 2nd Edition (Cosmetic Surgery of the Asian Face).

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