**Easy and Safe Simultaneous Zygoma Reduction and Facelift by Single incision through Subcutaneous Approach**

**Author list:** Cheng-Wei Hsiao, MD1; Kae-Yi Hsiao, MD2; Yun-Dun Shen, MD3; Abraham Zavala, MD4; and Ya-Wen Hsiao, MD5

**Authors‟ affiliation:**

1. Dean of Novel Plastic Surgery, Taipei, Taiwan.

2. Surgeon of Novel Plastic Surgery, Taipei, Taiwan.

3. Surgeon of Taipei Medical University Shuang Ho Hospital, New Taipei, Taiwan.

4. Fellow of Plastic and Reconstructive Surgery Department, Chang Gung

Memorial Hospital, Taoyuan, Taiwan.

5. Surgeon of National Taiwan University Hospital, Taipei, Taiwan.

**Corresponding Author:**

Dr. Cheng-Wei Hsiao, Department of Plastic and Reconstructive Surgery Novel Clinic, 2F-2, No.27, Lane 135, Sec.1, Fuxing South Road, Da-An District, Taipei 106, Taiwan

E-mail: novelclinic@gmail.com. FAX: (+886) 2779-0668. TEL: (+886) 2711-7999.

**Summary:**

Background: The surgery for facelift or zygoma reduction usually each has a long operative time, swelling and blood loss consideration, therefore, these two procedures are often performed separately. In recent years, an increasing demand for simultaneous zygoma reduction and facelift has been observed, however few studies have examined safe and effective of simultaneous zygoma reduction and facelift.

Objective: The aim of this study was to present a safe, easy and flexible method for combining facelift and zygoma reduction through single facelift incision with minimal blood loss.

Methods: From 2015 to 2020, the senior author performed zygoma reduction with facelift by using a subcutaneous approach through single facelift incision in patients with wide zygoma and an aging face. Operative time, intraoperative blood loss, postoperative course, and complications were recorded.

Results: In total, 56 patients met the inclusion criteria and were included in the study. The combined surgery was successfully performed in all cases, and no serious complications were reported. The follow-up period ranged from 6.5 to 60 months. The average operating time was 187 minutes, and the mean intraoperative blood loss was minimal (30 mL). All patients were satisfied with the outcome, different scores were assessed with Global Aesthetic Improvement Scale.

Conclusions: Facelift and zygoma reduction using a subcutaneous approach through single facelift incision provides complete visualization of the zygoma, superior hemostasis control result in an easy and safe surgery that does not require additional intraoral incisions.

**Keywords:** Facelilft, zygoma reduction, simultaneous, malarplasty, single incision.