Flap design for implant placement has an impact on esthetic outcomes. Conventional surgical flap reflection inevitably creates esthetic concerns. Flapless implant surgery is the most conservative approach; however, it requires cross-sectional imaging and has a steep learning curve, among other limitations. In the current retrospective study, we present the facial preservation technique (FPT), as a predictable method to place implants without involving the facial flap reflection. The technique also provides optimal visibility of the surgical site.

**Technique:**
1. Acquisition of preoperative cast model
2. Crestal incision toward facial on the edentulous ridge
3. Vertical releasing incision on the palatal side with papilla preservation
4. Full thickness flap reflection and implant placement
5. After 4-6 months, 2nd cast model was obtained
6. The 2 casts were digitalized (TRIOS 3 Shape)

**Results:**
- After performing superimposition of the stone casts utilizing the Geomagic software, and choosing three reference planes (mesial, distal and midfacial), the mean linear differences in the facial contour before and after surgery was <0.5mm (clinical significance).

<table>
<thead>
<tr>
<th>Increment</th>
<th>Mesial (case1/2)</th>
<th>Midfacial</th>
<th>Distal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2mm</td>
<td>-0.2/-0.06</td>
<td>-0.11/0.02</td>
<td>-0.18/0.03</td>
</tr>
<tr>
<td>4mm</td>
<td>-0.1/0.02</td>
<td>-0.11/-0.01</td>
<td>-0.04/0.03</td>
</tr>
<tr>
<td>6mm</td>
<td>-0.12/-0.02</td>
<td>-0.19/-0.05</td>
<td>-0.10/0.01</td>
</tr>
</tbody>
</table>

**INTRODUCTION**

**METHODS & RESULTS**

**SUMMARY**

The proposed technique provides palatal access for osteotomy with preserving the facial tissues due to minimal trauma and avoidance of flap reflection, in addition the interdental papillae were left intact without incision, which makes the technique advantageous for implant placement in the esthetic zone; However, it is a predictable technique for implant installation in the posterior area. Currently, more cases are being collected to provide feasibility of the technique.

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