

## C-3. Peri-Implant Free Gingival Grafts. A case report

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### 연구 배경

Mucosal margins are prone than gingival margins to periodontal inflammation and attachment loss, including recession. Inflammation was attributed to the fragility of mucosa under physiologic forces and oral hygiene procedures, and the close proximity of muscle attachments and frenula. These elements led to tensional pull, retraction of mucosal margins, and accumulation of bacterial plaque, in turn leading to pocket formation or recession, and the further extension of inflammation. Because dental implants often are placed in resorbed ridges that preclude denture stability and are surrounded by mucosa alone, free gingival grafts using palatal masticatory mucosa are generally the treatment indicated.

### 연구방법 및 재료

Case1. FGG simultaneously with implant installation

C,C: Reconstruction of edentulous area on #36,37

P,I: Lack of keratinized tissue on crestal area(width 1.5mm).

Case2. FGG after Implant Installation

C,C: Gingival swelling around Mn, Rt, Implants

P,I: Absence of keratinized tissue around implant

### 연구결과

Case 1.: Achieved 7mm of keratinized tissue in inter-implant and buccal area.

Case 2. : Achieved 8mm of keratinized tissue around implants on buccal area.

### 결론

1. In both cases, the newly achieved keratinized tissue around dental implants resist to the functional movement
2. FGG may be a very predictable procedure in achieving keratinized tissue around dental implants.