

# Multiple Root Coverage in a Patient with Periodontitis Clinical Case



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## Case Description

Male patient, 52 years of age, non-smoker, showed-up in the appointment with complaints of tooth hypersensitivity and concerns about the generalized gingival recessions. After a diagnosis of generalized chronic moderate periodontitis, a cause-related periodontal therapy was performed. Posterior to the re-evaluation, indicating a healthy periodontal condition, patient functional concerns persisted regarding the presence of the multiple gingival recession. After detailed discussion with the patient about the several therapeutic options and their prognosis, multiple root coverage in the 1<sup>st</sup> quadrant (11, 12, 13 and 14) and in the 2<sup>nd</sup> quadrant (21, 22, 23 and 24) was decided to do in a first instance, using coronal repositioning flaps and site-specific subepithelial connective tissue grafts (SCTG's). The aim of this clinical case is to describe, step by step, the entire surgical process performed as well as to illustrate the initial 6<sup>th</sup> month follow-up condition.

## Discussion

The selection of the surgical technique for the treatment of gingival recessions depends on several factors. Anatomical conditions, long-term stability and patient preferences and expectations should be taken into consideration when elaborating the treatment plan. The use of site-specific SCTG's is related to the long-term stability of root coverage in the areas of higher risk of relapse (patient main concern) and not with aesthetic reasons.



Figure 1 – Initial pictures, with the presence of multiple gingival recessions.



Figure 2 – A: Incision and flap design. B: Flap elevation. C: Suture of the sub-epithelial connective tissue graft at region of the tooth 13. D: Suture of the flap in a coronal advanced position to allow multiple root coverage. E: Sub-epithelial connective tissue graft harvested. F: Suture of the donor site in the palate. G: Healing after 14 days.



Figure 3– Follow-up of clinical case after 6 months.

## Conclusion

Coronal repositioning flaps and site-specific subepithelial connective tissue grafts (SCTG's), can be successfully used in multiple root coverage.

## References

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## KEYWORDS

Gingival recessions  
Periodontitis

Periodontal plastic surgery  
Root coverage

Periodontal long-term stability  
Sub-epithelial connective tissue graft.