

Root Coverage for the treatment of Gingival Recession

Guided Tissue Regeneration

A Growth Factor Mediated Approach to Gingival Recession Treatment

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Root Coverage via Guided Tissue Regeneration (GTR) for the treatment of gingival recession #11



Gingival recession #11
Root surface exposed (**yellow arrow**)



Root coverage surgery in progress

Note prominent root, thin bony housing

Root is decontaminated and prepared to receive graft

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Bone graft applied to root surface after hydration in Platelet Derived Growth Factor (PDGF) medium to enhance wound healing.

Highly bioabsorbable membrane to cover & hold position of growth factor enhanced bone graft application.

Original tissue has been advanced to completely cover graft and establish root coverage for treated tooth (#11)

Dissolving microsurgical sutures are used.

Bone graft is used as a substitute for autogenous connective tissue graft.

GTR application is also aimed at recapturing lost tooth supporting structures of which other techniques are not.

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Pre Op



Post Op



Is there any evidence to support this treatment?

McGuire MK, Scheyer ET, Schupach P. Growth Factor-Mediated Treatment Of Recession Defects: A Randomized Controlled Trial and Histologic and Microcomputed Tomography Examination. *J Periodontol* 2009; 80(4):550-564.