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특강 III Guided Tissue Regeneration - A Continuing Evolution

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Fifteen years after the clinical introduction of guided tissue regeneration therapy there is little doubt that the application of this therapy results in significant improvements of clinical outcomes. However, the question remains which outcomes can be accepted as true treatment success. A successful treatment should change the prognosis of teeth which have lost even large amounts of periodontal support in order to enable preservation of the natural dentition. Application of GTR therapy should therefore be limited to teeth which will benefit from predictable augmentation of periodontal support.

Once treatment success has been defined the treatment modalities which permit to obtain this effect on a predictable basis have to be identified. In this context it is important to clarify whether specific barrier types provide more favorable healing results than others. There is an ongoing evolution in barrier design and alternative techniques for periodontal regeneration. The most recent developments in GTR biotechnology will be described.

Animal studies have histologically demonstrated marked effects of GTR therapy. In humans, however, clinical improvements after GTR therapy have been repeatedly shown, but the underlying histological effects were only marginally assessed and are still poorly understood. Consequently an ongoing series of histological studies in humans will be presented which focusses on some fundamental aspects of GTR therapy.

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1971 ~ 1976: University of Berne, Dental Medicine

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