

특강Ⅱ (Special Lecture Ⅱ)

## Regenerative periodontal therapy with enamel matrix proteins (EMDs)



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The regeneration of periodontal tissues is the ultimate challenge in periodontal therapy. It applies both to soft and hard tissues and may be involved in the treatment of periodontal diseases as well as the treatment of aesthetic defects of the gingiva.

In the course of this presentation the actual concept of systematic periodontal therapy in combination with regenerative principles will be presented. Starting with the prerequisites, then the development and basic principles of regenerative therapy will be discussed.

This will be followed by the clinical application of this treatment principle at first in intrabony defects as well as in furcations. The regeneration of furcation areas is a specific challenge. The application of EMDs shows promising results as is documented in randomized controlled clinical trials.

The presentation will cover the actual scientific evidence and will include the clinical experience of the author with this treatment concept. The pro's and contra's will be mentioned as well.

Based on our current knowledge amelogenins show promising results and are an alternative to other more invasive procedures.

**주요 학력 및 경력 :**

- 1980 : Graduation in Dentistry at the Eberhard-Karls-University, Tbingen
- 1981-1984 : Postgraduate Education in oral surgery
- 1981-1994 : Research fellow at the Department of Oral Surgery and Periodontology in Tbingen
- 1992-1994 : Assistant Director
- 1992 : Habilitation with a study dealing with the function of Immune cells in Patient with periodontitis
- Since 1994 : Head of the Dept. Of Periodontology, University of Giessen
- Since 1998 : Member of the Leading Committee of the European Federation of Periodontology  
Past President of the German Society of Periodontology