

특강 I (Special Lecture I)

Current clinical and research work of periodontology in China



Prof. Huanxin Meng
Department of Periodontology, Peking University
School of Stomatology, Beijing, China

Dentistry, especially periodontology, has been well-developed in China since the middle of the 20th century. Nowadays, more and more people concern about periodontal health. With the understanding of close association between periodontal disease and systemic disease, Chinese periodontal professionals have made great efforts to promote the periodontal clinical level and reveal the mechanisms of periodontal diseases.

In China, we have abundant patient resource, for example in Peking University School and Hospital of Stomatology, there are more than 6 million outpatients per year which means more than 2,300 outpatients daily and about 1800 inpatients admitted annually. With the plentiful resource, dental professionals have made remarkable achievements in both clinics and research.

For clinical periodontology, periodontal initial and systemic therapy and different variety of surgeries have all been well developed and performed. Periodontal surgeries including crown lengthening, mucogingival surgery (free gingival and connective tissue graft microsurgery) and implant surgery have been carried out and obtained significant curative effect. Periodontists also focus on investigating and treating patients with systemic disease and exert themselves for diagnosing and treating complicated cases.

Periodontal professionals have also performed in-depth researches to demonstrate the molecular and genetic mechanisms of the variety of periodontal diseases. Different aspects of the periodontal disease have been widely investigated. 1) Etiology of periodontal disease. For the microorganism study, researchers not only detect different phenotypes of microorganism like *P. gingivalis*, *A. actino-*

mycetemcomitans, *T. forsythensis* and so on from different samples, but focus more on the genotypes like FimA and Kgp, toxicity and in vitro study. Moreover, gene polymorphism and genealogical research are getting much more popular. Besides, periodontal researchers investigate the antibody levels and tooth root shape and length to demonstrate the possible etiology of periodontal disease. 2) Periodontal tissue regeneration and engineering research. 3) Chinese medicine treatment for periodontal disease including emodin, baicalin and chinese herbal medicine. 4) Relationships between periodontal diseases and systemic diseases including diabetes, cardiovascular disease, pre-term low birth weight infants, and oral and gastric *Helicobacter pylori*

This presentation provides an overview of current clinical and research work of periodontology in China.

주요 학력 및 경력:

Professor and head of Department of Periodontology, Peking University School of Stomatology

DDS, School of Stomatology, Shanghai Second Medical College(1976)

PhD, Graduate School, Beijing Medical University(1987)

Visiting Professor in Dept. of Periodontology and fixed Prosthodontics, School of Dental Medicine, Bern University, Switzerland(1998)

Postdoctoral research fellow in departments of bone & joint and morbid anatomy, London Hospital Medical College, U.K(1991-1992)

Postdoctoral research fellow, MRC Dental Research Unit, London Hospital Medical College, U.K(1989-1990)

Visiting research fellow in Faculty of dentistry, Osaka University, Japan(1989)

President of Chinese Society of Periodontology(2007-present)

Member of the Editorial Board of Journal of Periodontal Research(1999-present)

Member of the Editorial Advisory Board of Journal of Periodontology(2006-present)