Dental Restoration: Adhesion is the solution

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Dental restorative treatment aims to restore function and aesthetics while preserving the tooth structure. With the recent development of dental materials and technology, adhesive technology that considers biocompatibility and durability has become a key solution, replacing the traditional approaches that relies on mechanical retention. The development of adhesive technology contributes to providing strong bonding with enamel and dentin, minimizing microleakage, and reducing the risk of secondary caries and detachment, thereby enhancing durability.

In this lecture, we will examine the myths and facts about the concept of bonding that we know, and deal with the characteristics of the latest bonding systems including universal adhesives, and the factors to consider when applying them clinically. In addition, we will explore how to achieve more predictable and long-term treatment results through the combination of dental restorative materials such as composite resins, ceramics, and zirconia with bonding technology. By effectively utilizing bonding technology, minimally invasive dentistry becomes possible, and patients' oral health can be managed more safely and efficiently.

This lecture will focus on sharing the latest knowledge on optimizing bonding in dental practice and emphasizing through practical application cases that bonding is a key solution in dental restorative treatment.

Profile

- * Graduate from KyungHee University
- * Visiting Professor at OHSU & UNC
- * Author, 'Adhesion and esthetic restoration'
- * President of Korean Academy of Adhesive Dentistry (past)
- * President of Korean Academy of Conservative Dentistry (past)
- * Present, Professor, KyungHee University