

Hyun-A Lee\*, Jeong-Bum Min, Young-Gon Cho

*Department of conservative Dentistry, College of Dentistry, Chosun University, Gwangju, Korea*

### **I. Introduction**

Composite resins have been successfully used for the restoration of anterior and posterior teeth but the use of composite resin in class II cavity has been problematic for technique sensitivity. Various reports describing techniques to establish tighter proximal contacts have been introduced. This presentation aims to present a standard of the selection in this various technique. In this presentation, two methods were used to tighten contact areas with adjacent teeth. First method is to use pre-polymerized cylindric composite resin inserts to support matrix band. In second method, Opracontact (Ivoclar Vivadent) as hand instrument was used to apply pressure against adjacent teeth.

### **II. Case Presentation**

#### 1. Case 1

- 1) Sex/age: F/ 42
- 2) C. C.: Food impaction on #45
- 3) P. I.: Dental caries on #45 (distal side)
- 4) Tx. Plan: Resin restoration on #45 (using pre-polymerized cylindric composite resin insert)

#### 2. Case 2

- 1) Sex/age: M/ 57
- 2) C. C.: Exfoliation of gold inlay on #44
- 3) P. I.: Filling body loss and attrition on #44
- 4) Tx. Plan: Resin restoration on #44 (using pre-polymerized cylindric composite resin insert)

#### 3. Case 3

- 1) Sex/age: M/ 26
- 2) C. C.: Food impaction on #16
- 3) P. I.: Dental caries on #16 (mesial side)
- 4) Tx. Plan: Resin restoration on #45 (using hand instrument)

#### 4. Case 4

- 1) Sex/age: F/ 39
- 2) C. C.: Exfoliation of amalgam restoration on #44
- 3) P. I.: Filling body loss and mesial dental caries on #44
- 4) Tx. Plan: Resin restoration on #44 (using hand instrument)

### **III. Conclusion**

Establishing contact areas with adjacent teeth is very difficult. In large cavity, first method was effective because of the strong pressure but second method is easier than first method in the majority of class II cavity.