

# ORAL PRESENTATION III

Chairman: Ho-Hyun Son (Professor, Seoul National University)  
Friday, May 11 16:50~18:00 (Main Hall)



## Treatment modality of the cracked tooth

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### I. Introduction

Cracked tooth syndrome including discomfort during mastication, unexplained cold sensitivity, and pain on release of pressure is incomplete fracture of the tooth. It's etiologic factors are cavity preparation, occlusal forces, and trauma. Depending on the size and location of the crack, treatment may vary from bonding to root canal treatment. Full crown restorations are needed in the most of cases. The purpose of this case presentation is to analyze the incidence and treatment modality of cracks.

### II. Case Presentation

Cracked teeth of 50 patients in our hospital for 2 years were analyzed according to gender, location, and treatment patterns. Treatment patterns were divided into 7 types.

- type 1 - full crown restorations
- type 2 - onlay restorations
- type 3 - composite resin filling
- type 4 - positive vitality, endodontic treatment and full crown restorations
- type 5 - negative vitality, endodontic treatment and full crown restorations
- type 6 - endodontic treatment during provisional crown
- type 7 - extraction

### III. Conclusion

Small crack lines are common and usually do not cause problem. But most patients had serious symptoms and were treated by endodontic therapy and full crown restorations. This facts show that diagnosis and treatment in early stage are very important and full crown restorations must be needed.