**ID: 3729**

**Congress:** 12th International Congress of Iranian Academy of Restorative Dentistry 24-26 October 2012 Tabriz-Iran

**Title:** CASE REPORT OF SUCCESSFUL INDIRECT PULP CAP AND IT'S CLINICAL POINTS

**Authors:**
1. simin ranjbarfard : student of dentistry
2. shima rashidi : student dentistry
3. Dr. Ali Kamyar Abdolaali : DDS, MS, FL, scientific member of Tehran dental school (pardis)

**Abstract:** More conservative pulp management has the potential to reduce the need for a more invasive endodontic treatment. this case report describes the Indirect Pulp Treatment of deep caries lesion in a permanent molar. A 16-year-old male patient scheduled for routine dental treatment reported discomfort associated with physical stimulation on the permanent mandibular left first molar. No history of spontaneous pulpal pain was reported. The radiographs revealed a deep distal caries lesion, very close to the pulp, absence of radiolucencies in the periapical region, and absence of periodontal space thickening. Pulp sensitivity was confirmed by thermal pulp vitality test. Base on the main complaint and the clinical and radiographic examinations, the treatment plan was established to preserve pulp vitality. Clinical procedures consisted of removing the infected dentin and lining the caries-affected dentin with calcium hydroxide paste. If pulp has become infected and exposed during caries removal, successful outcome will be substantially reduced. The various factors are believed to influence the success of indirect pulp capping. The tooth was provisionally sealed for approximately 60 days. After this period, tooth vitality was confirmed, the remaining carious dentin was removed, and the tooth was restored. At 4-year follow-up, no clinical or radiographic pathological findings were found. Based on the clinical and radiographic observations, it may be concluded that Indirect Pulp Treatment maintained the pulp vitality and function of the permanent molar presented in this case report.

**Keywords:**
- dental caries
- dental pulp
- biocompatible
- dental restoration

**Presentation:** Poster