

Treatment of Endo-Perio lesion in mandibular molars

The situation of a primary endodontic infection leading to secondary periodontal involvement is most common in mandibular molars. These cases sometimes lead to unnecessary extractions due to the following reasons: 1. mistaken as a primary periodontal infection but non-responsive to periodontal treatments; this happens more often in a non root canaled tooth, such as in Case-1. 2. mistaken as a cracked tooth in a non root canaled tooth, such as in Case-1; or a fractured root in a root canaled tooth, such as in Case-2,3,4; a diagnostic flap procedure helps to rule out any root fracture before further treatment. 3. the conventional root canal treatment approach (i.e., 1- or 2-visit without a significant period of intracanal medication) often does not work well in this type of cases, such as the original RCT in Case 4. Four cases of this condition treated successfully by a treatment protocol of intermedicate to long term (~ 3 - 12 months) intracanal Ca(OH)₂ medication are presented below.

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