Case report

Regenerative Endodontic Treatment (Revascularization) for Necrotic Immature Permanent Teeth

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Abstract

Background and Aims: Nowadays, the treatment immature of teeth with necrotic pulp is based on biological principles and regenerative treatment protocols, replacing traditional apexification treatments. The potential of revascularization and root development in traumatic teeth with necrotic pulp has been documented in dental trauma. The purpose of this case report is to show clinical and radiographical findings of regenerative treatments in traumatic teeth.

Case report: An 8-year-old girl with a history of trauma in both central maxillary teeth and observing pulp necrosis during follow up sessions was treated with a triple antibiotic paste (ciprofloxacin-metronidazole-clindamycin).

Conclusion: After restoring teeth with composite, there were no clinical and radiographical pathologic signs in the two years follow up, and root development continued.

Key words: Apexification, regenerative pulp treatment, revascularization, immature permanent teeth.

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